




|  |  |                  |                     |                |            |                |               |  |                      |
|--|--|------------------|---------------------|----------------|------------|----------------|---------------|--|----------------------|
| <br><b>NISOC</b> | نگهداشت و افزایش تولید میدان نفتی بینک<br>سطح الارض<br>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک |                  |                     |                |            |                |               | <br> |                      |
|  | DATA SHEETS FOR MANUAL VALVES  |                  |                     |                |            |                |               |  |                      |
| شماره پیمان:<br>۰۵۳ - ۰۷۳ - ۹۱۸۴   | پروژه<br>BK  | بسته کاری<br>GCS | صادر کننده<br>PEDCO | تسهیلات<br>120 | رشته<br>PI | نوع مدرک<br>DT | سریال<br>0002 | نسخه<br>D01  | شماره صفحه : ۱ از ۶۳ |

## نگهداشت و افزایش تولید میدان نفتی بینک

## DATA SHEETS FOR MANUAL VALVES

### نگهداشت و افزایش تولید میدان نفتی بینک

| D01  | FEB.2023 | IFA                       | M.Noori        | M.Fakharian | M.Mehrshad   |                 |
|------|----------|---------------------------|----------------|-------------|--------------|-----------------|
| D00  | JUL.2022 | IFC                       | F.Mosayebnejad | M.Fakharian | M.Mehrshad   |                 |
| Rev. | Date     | Purpose of Issue / Status | Prepared by:   | Checked by: | Approved by: | CLIENT Approval |

|          |                                |
|----------|--------------------------------|
| Class: 1 | CLIENT Doc. Number: F0Z-708885 |
|----------|--------------------------------|

**status:**

**IDC:** Inter-Discipline Check

**IFC:** Issued For Comment

**IFA:** Issued For Approval

**AFD:** Approved For Design

**AFC:** Approved For Construction



**AFP:** Approved For Purchase

**AFQ:** Approved For Quotation

**IFI:** Issued For Information




**AB-R:** As-Built for CLIENT Review




**AB-A:** As-Built –Approved




|  |   |                  |                     |                |            |                |               |  |                      |
|--|---|------------------|---------------------|----------------|------------|----------------|---------------|--|----------------------|
| <br><b>NISOC</b> | <b>نگهداشت و افزایش تولید میدان نفتی بینک</b><br><b>سطح الارض</b> |                  |                     |                |            |                |               |  |                      |
|  | <b>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</b>              |                  |                     |                |            |                |               |  |                      |
|  | <b>DATA SHEETS FOR MANUAL VALVES</b>                              |                  |                     |                |            |                |               |  |                      |
| شماره پیمان:<br>۰۵۳ - ۰۷۳ - ۹۱۸۴   | پروژه<br>BK   | بسته کاری<br>GCS | صادر کننده<br>PEDCO | تسهیلات<br>120 | رشته<br>PI | نوع مدرک<br>DT | سریال<br>0002 | نسخه<br>D01  | شماره صفحه : ۲ از ۶۳ |

### REVISION RECORD SHEET

| page | D00 | D01 | D02 | D03 | D04 | page | D00 | D01 | D02 | D03 | D04 |
|------|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|
| 1    | x   | x   |     |     |     | 65   |     |     |     |     |     |
| 2    | x   | x   |     |     |     | 66   |     |     |     |     |     |
| 3    | x   | x   |     |     |     | 67   |     |     |     |     |     |
| 4    | x   | x   |     |     |     | 68   |     |     |     |     |     |
| 5    | x   | x   |     |     |     | 69   |     |     |     |     |     |
| 6    | x   | x   |     |     |     | 70   |     |     |     |     |     |
| 7    | x   | x   |     |     |     | 71   |     |     |     |     |     |
| 8    | x   | x   |     |     |     | 72   |     |     |     |     |     |
| 9    | x   | x   |     |     |     | 73   |     |     |     |     |     |
| 10   | x   | x   |     |     |     | 74   |     |     |     |     |     |
| 11   | x   | x   |     |     |     | 75   |     |     |     |     |     |
| 12   | x   | x   |     |     |     | 76   |     |     |     |     |     |
| 13   | x   | x   |     |     |     | 77   |     |     |     |     |     |
| 14   | x   | x   |     |     |     | 78   |     |     |     |     |     |
| 8    | x   | x   |     |     |     | 79   |     |     |     |     |     |
| 16   | x   | x   |     |     |     | 80   |     |     |     |     |     |
| 17   | x   | x   |     |     |     | 81   |     |     |     |     |     |
| 18   | x   | x   |     |     |     | 82   |     |     |     |     |     |
| 19   | x   | x   |     |     |     | 83   |     |     |     |     |     |
| 20   | x   | x   |     |     |     | 84   |     |     |     |     |     |
| 21   | x   | x   |     |     |     | 85   |     |     |     |     |     |
| 22   | x   | x   |     |     |     | 86   |     |     |     |     |     |
| 23   | x   | x   |     |     |     | 87   |     |     |     |     |     |
| 24   | x   | x   |     |     |     | 88   |     |     |     |     |     |
| 25   | x   | x   |     |     |     | 89   |     |     |     |     |     |
| 26   | x   | x   |     |     |     | 90   |     |     |     |     |     |
| 27   | x   | x   |     |     |     | 91   |     |     |     |     |     |
| 28   | x   | x   |     |     |     | 92   |     |     |     |     |     |
| 29   | x   | x   |     |     |     | 93   |     |     |     |     |     |
| 30   | x   | x   |     |     |     | 94   |     |     |     |     |     |
| 31   | x   | x   |     |     |     | 95   |     |     |     |     |     |
| 32   | x   | x   |     |     |     | 96   |     |     |     |     |     |
| 33   | x   | x   |     |     |     | 97   |     |     |     |     |     |
| 34   | x   | x   |     |     |     | 98   |     |     |     |     |     |
| 35   | x   | x   |     |     |     | 99   |     |     |     |     |     |
| 36   | x   | x   |     |     |     | 100  |     |     |     |     |     |
| 37   | x   | x   |     |     |     | 101  |     |     |     |     |     |
| 38   | x   | x   |     |     |     | 102  |     |     |     |     |     |
| 39   | x   | x   |     |     |     | 103  |     |     |     |     |     |
| 40   | x   | x   |     |     |     | 104  |     |     |     |     |     |
| 41   | x   | x   |     |     |     | 105  |     |     |     |     |     |
| 42   | x   | x   |     |     |     | 106  |     |     |     |     |     |
| 43   | x   | x   |     |     |     | 107  |     |     |     |     |     |
| 44   | x   | x   |     |     |     | 108  |     |     |     |     |     |
| 45   | x   | x   |     |     |     | 109  |     |     |     |     |     |
| 46   | x   | x   |     |     |     | 110  |     |     |     |     |     |
| 47   | x   | x   |     |     |     | 111  |     |     |     |     |     |
| 48   | x   | x   |     |     |     | 112  |     |     |     |     |     |
| 49   | x   | x   |     |     |     | 113  |     |     |     |     |     |
| 50   | x   | x   |     |     |     | 114  |     |     |     |     |     |
| 51   | x   | x   |     |     |     | 18   |     |     |     |     |     |
| 52   | x   | x   |     |     |     | 116  |     |     |     |     |     |
| 53   | x   | x   |     |     |     | 117  |     |     |     |     |     |
| 54   | x   | x   |     |     |     | 118  |     |     |     |     |     |
| 55   | x   | x   |     |     |     | 119  |     |     |     |     |     |
| 56   | x   | x   |     |     |     | 120  |     |     |     |     |     |
| 57   | x   | x   |     |     |     | 121  |     |     |     |     |     |
| 58   | x   | x   |     |     |     | 122  |     |     |     |     |     |
| 59   | x   | x   |     |     |     | 123  |     |     |     |     |     |
| 60   | x   | x   |     |     |     | 124  |     |     |     |     |     |
| 61   | x   | x   |     |     |     | 125  |     |     |     |     |     |
| 62   | x   | x   |     |     |     | 126  |     |     |     |     |     |
| 63   |     | x   |     |     |     | 127  |     |     |     |     |     |
| 64   |     |     |     |     |     | 128  |     |     |     |     |     |

|   |  |           |            |         |                                       |          |       |   |
|---|--|-----------|------------|---------|---------------------------------------|----------|-------|---|
|    | <p>نگهداشت و افزایش تولید میدان نفتی بینک<br/>سطح الارض</p> <p>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> |           |            |         |                                       |          |       |   |
| شماره پیمان:<br>۰۵۳ - ۰۷۳ - ۹۱۸۴  | DATA SHEETS FOR MANUAL VALVES  |           |            |         |                                       |          |       | شماره صفحه: ۳ از ۶۳   |
|   | پروژه  | بسته کاری | صادر کننده | تسهیلات | رشته                                  | نوع مدرک | سریال | نسخه  |
|   | BK   | GCS       | PEDCO      | 120     | PI                                    | DT       | 0002  | D01   |
| TAG NO: MV-CHK-F08A   |  |           |            |         |                                       |          |       |   |
| GENERAL DATA  |  |           |            |         |                                       |          |       |   |
| Type of Valve:  |  |           |            |         | Check                                 |          |       |   |
| Pattern:  |  |           |            |         | Piston Lift Type                      |          |       |   |
| Valve Size Range:   |  |           |            |         | 1/2 ~ 1 1/2 inch                      |          |       |   |
| Piping Class & C.A:   |  |           |            |         | AN01 & C.A: 1                         |          |       |   |
| CODE & STANDARD   |  |           |            |         |                                       |          |       |   |
| Design Code:  |  |           |            |         | API 602 / BS EN ISO 15761             |          |       |   |
| Face to Face Dimensional:   |  |           |            |         | ASME B16.10                           |          |       |   |
| Fire Testing:   |  |           |            |         | API 6FA                               |          |       |   |
| Pressure Testing:   |  |           |            |         | As per API 598                        |          |       |   |
| DESIGN DATA   |  |           |            |         |                                       |          |       |   |
| Pressure Rating:  |  |           |            |         | 800#                                  |          |       |   |
| Design Pressure:  |  |           |            |         | 90                                    |          |       |   |
| Design Temperature:   |  |           |            |         | 85                                    |          |       |   |
| Body Construction:  |  |           |            |         | Forged                                |          |       |   |
| End Connection:   |  |           |            |         | SW                                    |          |       |   |
| Finishing:  |  |           |            |         | Note 10                               |          |       |   |
| MATERIAL  |  |           |            |         |                                       |          |       |   |
| Body/Bonnet   |  |           |            |         | ASTM A105                             |          |       |   |
| Ball/Disc/Plug:   |  |           |            |         | ASTM A 182 F6A/STELLITED (Trim No. 8) |          |       |   |
| Cover/Bonnet:   |  |           |            |         | BC                                    |          |       |   |
| Stem:   |  |           |            |         | NA                                    |          |       |   |
| Disc Seat:  |  |           |            |         | ASTM A 182 F6A                        |          |       |   |
| Body Seat:  |  |           |            |         | STELLITED                             |          |       |   |
| Packing:  |  |           |            |         | NA                                    |          |       |   |
| Gland:  |  |           |            |         | NA                                    |          |       |   |
| Bolt & Nut:   |  |           |            |         | ASTM A193 Gr.B7M/ASTM A194 Gr.2HM     |          |       |   |
| Gasket Bonnet:  |  |           |            |         | VTA                                   |          |       |   |
| <b>General Note:</b> <ol style="list-style-type: none"> <li>1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.</li> <li>2. Inner or outer leakage is not acceptable.</li> <li>3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.<br/>However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.</li> <li>4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.</li> <li>5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.</li> <li>6. All valve data sheets shall be confirmed by vendor.</li> <li>7. All valve shall have a fire-safe design.</li> <li>8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"</li> <li>9. Valves shall meet requirements of NACE MR0175/ISO 15156.</li> <li>10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.</li> </ol> |  |           |            |         |                                       |          |       |   |

|   |  |           |            |         |  |          |       |   |
|---|--|-----------|------------|---------|--|----------|-------|---|
|  <p>NISOC</p>  | <p>تکهداشت و افزایش تولید میدان نفتی بینک<br/>سطح الارض</p> <p>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> |           |            |         |  |          |       |   |
| شماره پیمان:<br>۰۵۳ - ۰۷۳ - ۹۱۸۴  | DATA SHEETS FOR MANUAL VALVES  |           |            |         |  |          |       | شماره صفحه: ۴ از ۶۳   |
|   | پروژه  | بسته کاری | صادر کننده | تسهیلات | رشته   | نوع مدرک | سریال | نسخه  |
|   | BK   | GCS       | PEDCO      | 120     | PI   | DT       | 0002  | D01   |
| TAG NO: MV-CHK-F08B   |  |           |            |         |  |          |       |   |
| GENERAL DATA  |  |           |            |         |  |          |       |   |
| Type of Valve:<br>Pattern:<br>Valve Size Range:<br>Piping Class & C.A:  |  |           |            |         | Check<br>Piston Lift Type<br>1/2 ~ 1 1/2 inch<br>AN04, AN05, AN07, CN05, CN07, FN05 & FN07 & C.A: 6  |          |       |   |
| CODE & STANDARD   |  |           |            |         |  |          |       |   |
| Design Code:<br>Face to Face Dimensional:<br>Fire Testing:<br>Pressure Testing:   |  |           |            |         | API 602 / BS EN ISO 15761<br>ASME B16.10<br>API 6FA<br>As per API 598  |          |       |   |
| DESIGN DATA   |  |           |            |         |  |          |       |   |
| Pressure Rating:<br>Design Pressure:<br>Design Temperature:<br>Body Construction:<br>End Connection:<br>Finishing:  |  |           |            |         | 800#<br>90<br>85<br>Forged<br>SW<br>Note 10  |          |       |   |
| MATERIAL  |  |           |            |         |  |          |       |   |
| Body/Bonnet<br>Ball/Disc/Plug:<br>Cover/Bonnet:<br>Stem:<br>Disc Seat:<br>Body Seat:<br>Packing:<br>Gland:<br>Bolt & Nut:<br>Gasket Bonnet:   |  |           |            |         | ASTM A105<br>ASTM A 182 F316/STELLITED (Trim No. 12)<br>BC<br>NA<br>ASTM A 182 F316<br>STELLITED<br>NA<br>NA<br>ASTM A193 Gr.B7M/ASTM A194 Gr.2HM<br>VTA |          |       |   |
| <b>General Note:</b><br>1.Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.<br>2.Inner or outer leakage is not acceptable.<br>3.There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.<br>However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.<br>4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.<br>5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.<br>6. All valve data sheets shall be confirmed by vendor.<br>7.All valve shall have a fire-safe design.<br>8. There are "locked opened/closed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"<br>9.Valves shall meet requirements of NACE MR0175/ISO 15156.<br>10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006. |  |           |            |         |  |          |       |   |

|  |  |           |            |         |   |          |       |   |
|--|--|-----------|------------|---------|---|----------|-------|---|
|  <p>NISOC</p>   | <p>نگهداشت و افزایش تولید میدان نفتی بینک<br/>سطح الارض</p> <p>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> |           |            |         |   |          |       |   |
| شماره پیمان:<br>۰۵۳ - ۰۷۳ - ۹۱۸۴   | DATA SHEETS FOR MANUAL VALVES  |           |            |         |   |          |       | شماره صفحه: ۶۳ از ۵۰  |
|  | پروژه  | بسته کاری | صادر کننده | تسهیلات | رشته  | نوع مدرک | سریال | نسخه  |
|  | BK   | GCS       | PEDCO      | 120     | PI  | DT       | 0002  | D01   |
| TAG NO: MV-CHK-F08S  |  |           |            |         |   |          |       |   |
| GENERAL DATA   |  |           |            |         |   |          |       |   |
| Type of Valve:<br>Pattern:<br>Valve Size Range:<br>Piping Class & C.A:   |  |           |            |         | Check<br>Piston Lift Type<br>1/2 ~ 1 1/2 inch<br>AS00, CS00 & FS00 & C.A: 0   |          |       |   |
| CODE & STANDARD  |  |           |            |         |   |          |       |   |
| Design Code:<br>Face to Face Dimensional:<br>Fire Testing:<br>Pressure Testing:  |  |           |            |         | API 602 / BS EN ISO 15761<br>ASME B16.10<br>API 6FA<br>As per API 598   |          |       |   |
| DESIGN DATA  |  |           |            |         |   |          |       |   |
| Pressure Rating:<br>Design Pressure:<br>Design Temperature:<br>Body Construction:<br>End Connection:<br>Finishing:   |  |           |            |         | 800#<br>90<br>85<br>Forged<br>SW<br>NA  |          |       |   |
| MATERIAL   |  |           |            |         |   |          |       |   |
| Body/Bonnet<br>Ball/Disc/Plug:<br>Cover/Bonnet:<br>Stem:<br>Disc Seat:<br>Body Seat:<br>Packing:<br>Gland:<br>Bolt & Nut:<br>Gasket Bonnet:  |  |           |            |         | ASTM A182 F316L<br>ASTM A 182 F316 (Trim No. 10)<br>BC<br>NA<br>ASTM A 182 F316<br>VTA<br>NA<br>NA<br>ASTM A193 Gr.B8M/ASTM A194 Gr.8M<br>VTA |          |       |   |
| <p><b>General Note:</b></p> <ol style="list-style-type: none"> <li>1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.</li> <li>2. Inner or outer leakage is not acceptable.</li> <li>3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.<br/>However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.</li> <li>4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.</li> <li>5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.</li> <li>6. All valve data sheets shall be confirmed by vendor.</li> <li>7. All valve shall have a fire-safe design.</li> <li>8. There are "locked opened/closed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"</li> </ol> |  |           |            |         |   |          |       |   |



نگهداشت و افزایش تولید میدان نفتی بینک  
سطح الارض

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک



شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

DATA SHEETS FOR MANUAL VALVES

| نسخه | سریال | نوع مدرک | رشته | تسهیلات | صادر کننده | بسته کاری | پروژه |
|------|-------|----------|------|---------|------------|-----------|-------|
| D01  | 0002  | DT       | PI   | 120     | PEDCO      | GCS       | BK    |

شماره صفحه ۶: از ۶۳

TAG NO: MV-CHK-F08AZ

GENERAL DATA

|                     |                  |
|---------------------|------------------|
| Type of Valve:      | Check            |
| Pattern:            | Piston Lift Type |
| Valve Size Range:   | 1/2 ~ 1 1/2 inch |
| Piping Class & C.A: | AZ00 & C.A: 0    |

CODE & STANDARD

|                           |                |
|---------------------------|----------------|
| Design Code:              | BS 5154        |
| Face to Face Dimensional: | ASME B16.10    |
| Fire Testing:             | API 6FA        |
| Pressure Testing:         | As per API 598 |

DESIGN DATA

|                     |        |
|---------------------|--------|
| Pressure Rating:    | 800#   |
| Design Pressure:    | 18     |
| Design Temperature: | 85     |
| Body Construction:  | Forged |
| End Connection:     | NPT    |
| Finishing:          | NA     |

MATERIAL

|                 |                      |
|-----------------|----------------------|
| Body/Bonnet     | ASTM B148 UNS C95800 |
| Ball/Disc/Plug: | ASTM B148 UNS C95800 |
| Cover/Bonnet:   | Screwed Bonnet       |
| Stem:           | NA                   |
| Disc Seat:      | ASTM B148 UNS C95800 |
| Body Seat:      | VTA                  |
| Packing:        | NA                   |
| Gland:          | NA                   |
| Bolt & Nut:     | VTA                  |
| Bonnet Gasket:  | VTA                  |

General Note:

1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
2. Inner or outer leakage is not acceptable.
3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.  
However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.
4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
6. All valve data sheets shall be confirmed by vendor.
7. All valve shall have a fire-safe design.
8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"



نگهداشت و افزایش تولید میدان نفتی بینک  
سطح الارض

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک



شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

DATA SHEETS FOR MANUAL VALVES

پروژه

بسته کاری

صادرکننده

تسهيلات

رشته

نوع مدرک

سریال

نسخه

BK

GCS

PEDCO

120

PI

DT

0002

D01

شماره صفحه: ۶۳ از ۷۲

TAG NO: MV-CHK-C01A

GENERAL DATA

Type of Valve:

Check

Pattern:

Swing Type

Valve Size Range:

2 ~ 24 inch

Piping Class & C.A:

AN01 & C.A: 1

CODE & STANDARD

Design Code:

BS 1868/API 6D

Face to Face Dimensional:

ASME B16.10

Fire Testing:

API 6FA

Pressure Testing:

As per API 598

DESIGN DATA

Pressure Rating:

150#

Design Pressure:

18.2

Design Temperature:

85

Body Construction:

Casting

End Connection:

FLGD (In acc. with ASME B16.5)

Finishing:

Note 10

MATERIAL

Body/Bonnet

ASTM A216 WCB

Ball/Disc/Plug:

13 Cr/STELLITED (Trim No. 8)

Cover/Bonnet:

BC

Stem:

NA

Disc Seat:

13Cr

Body Seat:

STELLITED

Packing:

NA

Gland:

NA

Bolt & Nut:

ASTM A193 Gr.B7M/ASTM A194 Gr.2HM

Gasket Bonnet:

VTA

General Note:

1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
2. Inner or outer leakage is not acceptable.
3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.  
However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.
4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
6. All valve data sheets shall be confirmed by vendor.
7. All valve shall have a fire-safe design.
8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
9. Valves shall meet requirements of NACE MR0175/ISO 15156.
10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.
11. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.



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شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

DATA SHEETS FOR MANUAL VALVES

پروژه

بسته کاری

صادرکننده

تسهيلات

رشته

نوع مدرک

سریال

نسخه

BK

GCS

PEDCO

120

PI

DT

0002

D01

شماره صفحه: ۸ از ۶۳

TAG NO: MV-CHK-C01B

GENERAL DATA

|                     |                            |
|---------------------|----------------------------|
| Type of Valve:      | Check                      |
| Pattern:            | Swing Type                 |
| Valve Size Range:   | 2 ~ 24 inch                |
| Piping Class & C.A: | AN04, AN05 & AN07 & C.A: 6 |

CODE & STANDARD

|                           |                |
|---------------------------|----------------|
| Design Code:              | API 594        |
| Face to Face Dimensional: | ASME B16.10    |
| Fire Testing:             | API 6FA        |
| Pressure Testing:         | As per API 598 |

DESIGN DATA

|                     |                                |
|---------------------|--------------------------------|
| Pressure Rating:    | 150#                           |
| Design Pressure:    | 18.2                           |
| Design Temperature: | 85                             |
| Body Construction:  | Casting                        |
| End Connection:     | FLGD (In acc. with ASME B16.5) |
| Finishing:          | Note 10                        |

MATERIAL

|                 |                                    |
|-----------------|------------------------------------|
| Body/Bonnet     | ASTM A216 WCB                      |
| Ball/Disc/Plug: | 18-8 Cr-Ni/STELLITED (Trim No. 12) |
| Cover/Bonnet:   | BC                                 |
| Stem:           | NA                                 |
| Disc Seat:      | 18-8 Cr-Ni                         |
| Body Seat:      | STELLITED                          |
| Packing:        | NA                                 |
| Gland:          | NA                                 |
| Bolt & Nut:     | ASTM A193 Gr.B7M/ASTM A194 Gr.2HM  |
| Gasket Bonnet:  | VTA                                |

General Note:

1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
2. Inner or outer leakage is not acceptable.
3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.  
However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.
4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
6. All valve data sheets shall be confirmed by vendor.
7. All valve shall have a fire-safe design.
8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
9. Valves shall meet requirements of NACE MR0175/ISO 15156.
10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.
11. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.



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شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

DATA SHEETS FOR MANUAL VALVES

پروژه

بسته کاری

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نوع مدرک

سریال

نسخه

BK

GCS

PEDCO

120

PI

DT

0002

D01

شماره صفحه: ۹ از ۶۳

TAG NO: MV-CHK-C015

GENERAL DATA

|                     |               |
|---------------------|---------------|
| Type of Valve:      | Check         |
| Pattern:            | Swing Type    |
| Valve Size Range:   | 2 ~ 24 inch   |
| Piping Class & C.A: | AS00 & C.A: 0 |

CODE & STANDARD

|                           |                |
|---------------------------|----------------|
| Design Code:              | API 594        |
| Face to Face Dimensional: | ASME B16.10    |
| Fire Testing:             | API 6FA        |
| Pressure Testing:         | As per API 598 |

DESIGN DATA



|                     |                                |
|---------------------|--------------------------------|
| Pressure Rating:    | 150#                           |
| Design Pressure:    | 18.2                           |
| Design Temperature: | 85                             |
| Body Construction:  | Casting                        |
| End Connection:     | FLGD (In acc. with ASME B16.5) |
| Finishing:          | NA                             |

MATERIAL

|                 |                                  |
|-----------------|----------------------------------|
| Body/Bonnet     | ASTM A351 CF3M                   |
| Ball/Disc/Plug: | 18-8 Cr-Ni (Trim No. 10)         |
| Cover/Bonnet:   | BC                               |
| Stem:           | NA                               |
| Disc Seat:      | 18-8 Cr-Ni                       |
| Body Seat:      | VTA                              |
| Packing:        | NA                               |
| Gland:          | NA                               |
| Bolt & Nut:     | ASTM A193 Gr.B8M/ASTM A194 Gr.8M |
| Gasket Bonnet:  | VTA                              |

General Note:

1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
2. Inner or outer leakage is not acceptable.
3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.  
However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.
4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
6. All valve data sheets shall be confirmed by vendor.
7. All valve shall have a fire-safe design.
8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
9. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.

|   |  |           |            |         |  |          |       |   |
|---|--|-----------|------------|---------|--|----------|-------|---|
|  <p>NISOC</p>   | <p>نگهداشت و افزایش تولید میدان نفتی بینک<br/>سطح الارض</p> <p>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> |           |            |         |  |          |       |  |
| شماره پیمان:<br>۰۵۳ - ۰۷۳ - ۹۱۸۴  | DATA SHEETS FOR MANUAL VALVES  |           |            |         |  |          |       | شماره صفحه: ۱۰ از ۶۳  |
|   | پروژه  | بسته کاری | صادر کننده | تسهیلات | رشته   | نوع مدرک | سریال | نسخه  |
|   | BK   | GCS       | PEDCO      | 120     | PI   | DT       | 0002  | D01   |
| TAG NO: MV-CHK-C03  |  |           |            |         |  |          |       |   |
| GENERAL DATA  |  |           |            |         |  |          |       |   |
| Type of Valve:<br>Pattern:<br>Valve Size Range:<br>Piping Class & C.A:  |  |           |            |         | Check<br>Swing Type<br>2 ~ 24 inch<br>CN05 & CN07 & C.A: 6   |          |       |   |
| CODE & STANDARD   |  |           |            |         |  |          |       |   |
| Design Code:<br>Face to Face Dimensional:<br>Fire Testing:<br>Pressure Testing:   |  |           |            |         | API 594<br>ASME B16.10<br>API 6FA<br>As per API 598  |          |       |   |
| DESIGN DATA   |  |           |            |         |  |          |       |   |
| Pressure Rating:<br>Design Pressure:<br>Design Temperature:<br>Body Construction:<br>End Connection:<br>Finishing:  |  |           |            |         | 300#<br>48<br>##<br>Casting<br>FLGD<br>Note 10   |          |       |   |
| MATERIAL  |  |           |            |         |  |          |       |   |
| Body/Bonnet<br>Ball/Disc/Plug:<br>Cover/Bonnet:<br>Stem:<br>Disc Seat:<br>Body Seat:<br>Packing:<br>Gland:<br>Bolt & Nut:<br>Gasket Bonnet:   |  |           |            |         | ASTM A216 WCB<br>SS316/STELLITED (Trim No. 12)<br>BC<br>NA<br>SS316/STELLITED<br>STELLITED<br>NA<br>NA<br>ASTM A193 Gr.B7M/ASTM A194 Gr.2HM<br>VTA |          |       |   |
| <b>General Note:</b><br>1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.<br>2. Inner or outer leakage is not acceptable.<br>3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.<br>However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.<br>4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.<br>5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.<br>6. All valve data sheets shall be confirmed by vendor.<br>7. All valve shall have a fire-safe design.<br>8. There are "locked opened/closed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"<br>9. Valves shall meet requirements of NACE MR0175/ISO 15156.<br>10. Valves shall be fully painted at vendor shop as per BK-GNRL-PEDCO-000-PI-SP-0006.<br>11. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs. |  |           |            |         |  |          |       |   |



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| شماره پیمان:<br>۰۵۳ - ۰۷۳ - ۹۱۸۴ | DATA SHEETS FOR MANUAL VALVES |           |            |         |      |          |       |      | شماره صفحه: ۱۱ از ۶۳ |
|----------------------------------|-------------------------------|-----------|------------|---------|------|----------|-------|------|----------------------|
|                                  | پروژه                         | بسته کاری | صادر کننده | تسهیلات | رشته | نوع مدرک | سریال | نسخه |                      |
|                                  | BK                            | GCS       | PEDCO      | 120     | PI   | DT       | 0002  | D01  |                      |

TAG NO: MV-CHK-C03S

GENERAL DATA

|                     |               |
|---------------------|---------------|
| Type of Valve:      | Check         |
| Pattern:            | Swing Type    |
| Valve Size Range:   | 2 ~ 24 inch   |
| Piping Class & C.A: | CS00 & C.A: 0 |

CODE & STANDARD

|                           |                |
|---------------------------|----------------|
| Design Code:              | API 594        |
| Face to Face Dimensional: | ASME B16.10    |
| Fire Testing:             | API 6FA        |
| Pressure Testing:         | As per API 598 |

DESIGN DATA




|                     |                                |
|---------------------|--------------------------------|
| Pressure Rating:    | 300#                           |
| Design Pressure:    | 48                             |
| Design Temperature: | 155                            |
| Body Construction:  | Casting                        |
| End Connection:     | FLGD (In acc. with ASME B16.5) |
| Finishing:          | NA                             |

MATERIAL

|                 |                                  |
|-----------------|----------------------------------|
| Body/Bonnet     | ASTM A351 CF3M                   |
| Ball/Disc/Plug: | 18-8 Cr-Ni (Trim No. 10)         |
| Cover/Bonnet:   | BC                               |
| Stem:           | NA                               |
| Disc Seat:      | 18-8 Cr-Ni                       |
| Body Seat:      | VTA                              |
| Packing:        | NA                               |
| Gland:          | NA                               |
| Bolt & Nut:     | ASTM A193 Gr.B8M/ASTM A194 Gr.8M |
| Gasket Bonnet:  | VTA                              |

General Note:

1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
2. Inner or outer leakage is not acceptable.
3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.  
However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.
4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
6. All valve data sheets shall be confirmed by vendor.
7. All valve shall have a fire-safe design.
8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
9. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.

|    | <p>نگهداشت و افزایش تولید میدان نفتی بینک<br/>سطح الارض</p> <p>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p>   |   |      |         |            |           |       |  |  |      |       |          |      |         |            |           |       |     |      |    |    |     |       |     |    |                      |
|--|--|---|------|---------|------------|-----------|-------|--|--|------|-------|----------|------|---------|------------|-----------|-------|-----|------|----|----|-----|-------|-----|----|----------------------|
| شماره پیمان:<br>۰۵۳ - ۰۷۳ - ۹۱۸۴   | <table><tr><th colspan="8">DATA SHEETS FOR MANUAL VALVES</th></tr><tr><td>نسخه</td><td>سریال</td><td>نوع مدرک</td><td>رشته</td><td>تسهیلات</td><td>صادر کننده</td><td>بسته کاری</td><td>پروژه</td></tr><tr><td>D01</td><td>0002</td><td>DT</td><td>PI</td><td>120</td><td>PEDCO</td><td>GCS</td><td>BK</td></tr></table> | DATA SHEETS FOR MANUAL VALVES   |      |         |            |           |       |  |  | نسخه | سریال | نوع مدرک | رشته | تسهیلات | صادر کننده | بسته کاری | پروژه | D01 | 0002 | DT | PI | 120 | PEDCO | GCS | BK | شماره صفحه: ۱۲ از ۶۳ |
| DATA SHEETS FOR MANUAL VALVES  |  |   |      |         |            |           |       |  |  |      |       |          |      |         |            |           |       |     |      |    |    |     |       |     |    |                      |
| نسخه   | سریال  | نوع مدرک  | رشته | تسهیلات | صادر کننده | بسته کاری | پروژه |  |  |      |       |          |      |         |            |           |       |     |      |    |    |     |       |     |    |                      |
| D01  | 0002   | DT  | PI   | 120     | PEDCO      | GCS       | BK    |  |  |      |       |          |      |         |            |           |       |     |      |    |    |     |       |     |    |                      |
| TAG NO: MV-CHK-C06   |  |   |      |         |            |           |       |  |  |      |       |          |      |         |            |           |       |     |      |    |    |     |       |     |    |                      |
| GENERAL DATA   |  |   |      |         |            |           |       |  |  |      |       |          |      |         |            |           |       |     |      |    |    |     |       |     |    |                      |
| Type of Valve:<br>Pattern:<br>Valve Size Range:<br>Piping Class & C.A:   | Check<br>Swing Type<br>2 ~ 12 inch<br>FN05 & FN07 & C.A: 6   |   |      |         |            |           |       |  |  |      |       |          |      |         |            |           |       |     |      |    |    |     |       |     |    |                      |
| CODE & STANDARD  |  |   |      |         |            |           |       |  |  |      |       |          |      |         |            |           |       |     |      |    |    |     |       |     |    |                      |
| Design Code:<br>Face to Face Dimensional:<br>Fire Testing:<br>Pressure Testing:  | API 594<br>ASME B16.10<br>API 6FA<br>As per API 598  |   |      |         |            |           |       |  |  |      |       |          |      |         |            |           |       |     |      |    |    |     |       |     |    |                      |
| DESIGN DATA  |  |   |      |         |            |           |       |  |  |      |       |          |      |         |            |           |       |     |      |    |    |     |       |     |    |                      |
| Pressure Rating:<br>Design Pressure:<br>Design Temperature:<br>Body Construction:<br>End Connection:<br>Finishing:   | 600#<br>90<br>175<br>Casting<br>FLGD<br>Note 10  |   |      |         |            |           |       |  |  |      |       |          |      |         |            |           |       |     |      |    |    |     |       |     |    |                      |
| MATERIAL   |  |   |      |         |            |           |       |  |  |      |       |          |      |         |            |           |       |     |      |    |    |     |       |     |    |                      |
| Body/Bonnet<br>Ball/Disc/Plug:<br>Cover/Bonnet:<br>Stem:<br>Disc Seat:<br>Body Seat:<br>Packing:<br>Gland:<br>Bolt & Nut:<br>Gasket Bonnet:  | ASTM A216 WCB<br>SS316/STELLITED (Trim No. 12)<br>BC<br>NA<br>SS316/STELLITED<br>STELLITED<br>NA<br>NA<br>ASTM A193 Gr.B7M/ASTM A194 Gr.2HM<br>VTA   |   |      |         |            |           |       |  |  |      |       |          |      |         |            |           |       |     |      |    |    |     |       |     |    |                      |
| <b>General Note:</b><br>1.Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.<br>2.Inner or outer leakage is not acceptable.<br>3.There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.<br>However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.<br>4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.<br>5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.<br>6. All valve data sheets shall be confirmed by vendor.<br>7.All valve shall have a fire-safe design.<br>8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"<br>9.Valves shall meet requirements of NACE MR0175/ISO 15156.<br>10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.<br>11. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs. |  |   |      |         |            |           |       |  |  |      |       |          |      |         |            |           |       |     |      |    |    |     |       |     |    |                      |



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شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

DATA SHEETS FOR MANUAL VALVES

پروژه

بسته کاری

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نسخه

BK

GCS

PEDCO

120

PI

DT

0002

D01

شماره صفحه: ۱۳ از ۶۳

TAG NO: MV-CHK-C06S

GENERAL DATA

|                     |               |
|---------------------|---------------|
| Type of Valve:      | Check         |
| Pattern:            | Swing Type    |
| Valve Size Range:   | 2 ~ 24 inch   |
| Piping Class & C.A: | FS00 & C.A: 0 |

CODE & STANDARD

|                           |                |
|---------------------------|----------------|
| Design Code:              | API 594        |
| Face to Face Dimensional: | ASME B16.10    |
| Fire Testing:             | API 6FA        |
| Pressure Testing:         | As per API 598 |

DESIGN DATA

|                     |                                |
|---------------------|--------------------------------|
| Pressure Rating:    | 600#                           |
| Design Pressure:    | 90                             |
| Design Temperature: | 175                            |
| Body Construction:  | Casting                        |
| End Connection:     | FLGD (In acc. with ASME B16.5) |
| Finishing:          | NA                             |

MATERIAL

|                 |                                  |
|-----------------|----------------------------------|
| Body/Bonnet     | ASTM A351 CF3M                   |
| Ball/Disc/Plug: | 18-8 Cr-Ni (Trim No. 10)         |
| Cover/Bonnet:   | BC                               |
| Stem:           | NA                               |
| Disc Seat:      | 18-8 Cr-Ni                       |
| Body Seat:      | VTA                              |
| Packing:        | NA                               |
| Gland:          | NA                               |
| Bolt & Nut:     | ASTM A193 Gr.B8M/ASTM A194 Gr.8M |
| Gasket Bonnet:  | VTA                              |

General Note:

1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
2. Inner or outer leakage is not acceptable.
3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.  
However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.
4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
6. All valve data sheets shall be confirmed by vendor.
7. All valve shall have a fire-safe design.
8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
9. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.



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شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

DATA SHEETS FOR MANUAL VALVES

پروژه

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نسخه

شماره صفحه: ۱۴ از ۶۳

BK

GCS

PEDCO

120

PI

DT

0002

D01

TAG NO: MV-GAT-F08A

GENERAL DATA

Type of Valve: Gate  
Pattern: Solid Wedge, H.W.OP  
Valve Size Range: 1/2 ~ 1 1/2 inch  
Piping Class & C.A: AN01 & C.A: 1

CODE & STANDARD

Design Code: API602  
Face to Face Dimensional: ASME B16.10  
Fire Testing: API 6FA  
Pressure Testing: As per API 598

DESIGN DATA

Pressure Rating: 800#  
Design Pressure: 90  
Design Temperature: 85  
Body Construction: Forged  
End Connection: SW & SW/FNPT  
Finishing: Note 10

MATERIAL

Body/Bonnet: ASTM A105  
Ball/Disc/Plug: ASTM A 182 F6A/STELLITED (Trim No. 8)  
Cover/Bonnet: BB  
Stem: ASTM A 182 F6A  
Disc Seat: ASTM A 182 F6A  
Body Seat: STELLITED  
Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING  
Gland: VTA  
Bolt & Nut: ASTM A193 Gr.B7M/ASTM A194 Gr.2HM  
Bonnet Gasket: VTA

General Note:

1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
2. Inner or outer leakage is not acceptable.
3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.  
However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.
4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
6. All valve data sheets shall be confirmed by vendor.
7. All valve shall have a fire-safe design.
8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
9. Valves shall meet requirements of NACE MR0175/ISO 15156.
10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.



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شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

DATA SHEETS FOR MANUAL VALVES

| پروژه | بسته کاری | صادر کننده | تسهیلات | رشته | نوع مدرک | سریال | نسخه |
|-------|-----------|------------|---------|------|----------|-------|------|
| BK    | GCS       | PEDCO      | 120     | PI   | DT       | 0002  | D01  |

شماره صفحه: ۱۵ از ۶۳

TAG NO: MV-GAT-F08B

GENERAL DATA

|                     |  |
|---------------------|--|
| Type of Valve:      | Gate   |
| Pattern:            | Solid Wedge, H.W.OP                                |
| Valve Size Range:   | 1/2 ~ 1 1/2 inch                                   |
| Piping Class & C.A: | AN04, AN05, AN07, CN05, CN07, FN05 & FN07 & C.A: 6 |

CODE & STANDARD

|                           |                |
|---------------------------|----------------|
| Design Code:              | API602         |
| Face to Face Dimensional: | ASME B16.10    |
| Fire Testing:             | API 6FA        |
| Pressure Testing:         | As per API 598 |

DESIGN DATA

|                     |              |
|---------------------|--------------|
| Pressure Rating:    | 800#         |
| Design Pressure:    | 90           |
| Design Temperature: | 85           |
| Body Construction:  | Forged       |
| End Connection:     | SW & SW/FNPT |
| Finishing:          | Note 10      |

MATERIAL

|                 |   |
|-----------------|---|
| Body/Bonnet     | ASTM A105   |
| Ball/Disc/Plug: | ASTM A 182 F316/STELLITED (Trim No. 12)                   |
| Cover/Bonnet:   | BB  |
| Stem:           | ASTM A 182 F316   |
| Disc Seat:      | ASTM A 182 F316   |
| Body Seat:      | STELLITED   |
| Packing:        | STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING |
| Gland:          | VT A  |
| Bolt & Nut:     | ASTM A193 Gr.B7M/ASTM A194 Gr.2HM                         |
| Bonnet Gasket:  | VT A  |

General Note:

1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
2. Inner or outer leakage is not acceptable.
3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.  
However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.
4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
6. All valve data sheets shall be confirmed by vendor.
7. All valve shall have a fire-safe design.
8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
9. Valves shall meet requirements of NACE MR0175/ISO 15156.
10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.



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شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

DATA SHEETS FOR MANUAL VALVES

پروژه

بسته کاری

صادر کننده

تسهیلات

رشته

نوع مدرک

سریال

نسخه

شماره صفحه: ۱۶ از ۶۳

BK

GCS

PEDCO

120

PI

DT

0002

D01

TAG NO: MV-GAT-F08S

GENERAL DATA

|                     |                            |
|---------------------|----------------------------|
| Type of Valve:      | Gate                       |
| Pattern:            | Solid Wedge, H.W.OP        |
| Valve Size Range:   | 1/2 ~ 1 1/2 inch           |
| Piping Class & C.A: | AS00, CS00 & FS00 & C.A: 0 |

CODE & STANDARD

|                           |                |
|---------------------------|----------------|
| Design Code:              | API602         |
| Face to Face Dimensional: | ASME B16.10    |
| Fire Testing:             | API 6FA        |
| Pressure Testing:         | As per API 598 |

DESIGN DATA

|                     |              |
|---------------------|--------------|
| Pressure Rating:    | 800#         |
| Design Pressure:    | 90           |
| Design Temperature: | 85           |
| Body Construction:  | Forged       |
| End Connection:     | SW & SW/FNPT |
| Finishing:          | NA           |

MATERIAL

|                 |   |
|-----------------|---|
| Body/Bonnet     | ASTM A182 F316L   |
| Ball/Disc/Plug: | ASTM A 182 F316 (Trim No. 10)                             |
| Cover/Bonnet:   | BB  |
| Stem:           | ASTM A 182 F316   |
| Disc Seat:      | ASTM A 182 F316   |
| Body Seat:      | VTa   |
| Packing:        | STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING |
| Gland:          | VTa   |
| Bolt & Nut:     | ASTM A193 Gr.B8M/ASTM A194 Gr.8M                          |
| Bonnet Gasket:  | VTa   |

General Note:

1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
2. Inner or outer leakage is not acceptable.
3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.  
However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.
4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
6. All valve data sheets shall be confirmed by vendor.
7. All valve shall have a fire-safe design.
8. There are "locked opened/closed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"



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شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

DATA SHEETS FOR MANUAL VALVES

پروژه

بسته کاری

صادر کننده

تسهیلات

120

رشته

PI

نوع مدرک

DT

سریال

0002

نسخه

D01

شماره صفحه: ۱۷ از ۶۳

TAG NO: MV-GAT-F08AZ

GENERAL DATA

|                     |                     |
|---------------------|---------------------|
| Type of Valve:      | Gate                |
| Pattern:            | Solid Wedge, H.W.OP |
| Valve Size Range:   | 1/2 ~ 1 1/2 inch    |
| Piping Class & C.A: | AZ00 & C.A: 0       |

CODE & STANDARD

|                           |                |
|---------------------------|----------------|
| Design Code:              | BS 5154        |
| Face to Face Dimensional: | ASME B16.10    |
| Fire Testing:             | API 6FA        |
| Pressure Testing:         | As per API 598 |

DESIGN DATA




|                     |        |
|---------------------|--------|
| Pressure Rating:    | 800#   |
| Design Pressure:    | 18     |
| Design Temperature: | 85     |
| Body Construction:  | Forged |
| End Connection:     | NPT    |
| Finishing:          | NA     |

MATERIAL

|                 |   |
|-----------------|---|
| Body/Bonnet     | ASTM B148 UNS C95800                                      |
| Ball/Disc/Plug: | ASTM B148 UNS C95800                                      |
| Cover/Bonnet:   | Screwed Bonnet  |
| Stem:           | Aluminium Bronze  |
| Disc Seat:      | ASTM B148 UNS C95800                                      |
| Body Seat:      | VTA   |
| Packing:        | STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING |
| Gland:          | VTA   |
| Bolt & Nut:     | VTA   |
| Bonnet Gasket:  | VTA   |

General Note:

1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
2. Inner or outer leakage is not acceptable.
3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.  
However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.
4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
6. All valve data sheets shall be confirmed by vendor.
7. All valve shall have a fire-safe design.
8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"

|   |  |           |   |         |  |          |       |                      |
|---|--|-----------|---|---------|--|----------|-------|----------------------|
|    | <p>نگهداشت و افزایش تولید میدان نفتی بینک<br/>سطح الارض</p> <p>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> |           |   |         |  |          |       |                      |
| شماره پیمان:<br>۰۵۳ - ۰۷۳ - ۹۱۸۴  | DATA SHEETS FOR MANUAL VALVES  |           |   |         |  |          |       | شماره صفحه: ۱۸ از ۶۳ |
|   | پروژه  | بسته کاری | صادر کننده  | تسهیلات | رشته   | نوع مدرک | سریال | نسخه                 |
|   | BK   | GCS       | PEDCO   | 120     | PI   | DT       | 0002  | D01                  |
| TAG NO: MV-GAT-C01A-HO  |  |           |   |         |  |          |       |                      |
| GENERAL DATA  |  |           |   |         |  |          |       |                      |
| Type of Valve:<br>Pattern:<br>Valve Size Range:<br>Piping Class & C.A:  |  |           |   |         | Gate<br>Flexible Wedge, H.W.OP<br>2~10 inch<br>AN01 & C.A: 1   |          |       |                      |
| CODE & STANDARD   |  |           |   |         |  |          |       |                      |
| Design Code:<br>Face to Face Dimensional:<br>Fire Testing:<br>Pressure Testing:   |  |           |   |         | API600<br>ASME B16.10<br>API 6FA<br>As per API 598   |          |       |                      |
| DESIGN DATA   |  |           |   |         |  |          |       |                      |
| Pressure Rating:<br>Design Pressure:<br>Design Temperature:<br>Body Construction:<br>End Connection:<br>Finishing:  |  |           |   |         | 150#<br>18<br>85<br>Casting<br>FLGD (In acc. with ASME B16.5)<br>Note 10   |          |       |                      |
| MATERIAL  |  |           |   |         |  |          |       |                      |
| Body/Bonnet<br>Ball/Disc/Plug:<br>Cover/Bonnet:<br>Stem:<br>Disc Seat:<br>Body Seat:<br>Packing:<br>Gland:<br>Bolt & Nut:<br>Bonnet Gasket:   |  |           |   |         | ASTM A216 WCB<br>13Cr/STELLITED (Trim No. 8)<br>BB<br>13Cr<br>13Cr<br>STELLITED<br>STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE<br>+ PACKING RING<br>VTA<br>ASTM A193 Gr.B7M/ASTM A194 Gr.2HM<br>VTA |          |       |                      |
| <p><b>General Note:</b></p> <ol style="list-style-type: none"> <li>1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.</li> <li>2. Inner or outer leakage is not acceptable.</li> <li>3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.<br/>However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.</li> <li>4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.</li> <li>5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.</li> <li>6. All valve data sheets shall be confirmed by vendor.</li> <li>7. All valve shall have a fire-safe design.</li> <li>8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"</li> <li>9. Valves shall meet requirements of NACE MR0175/ISO 15156.</li> <li>10. Valves shall be fully painted at vendor shop as per BK-GNRL-PEDCO-000-PI-SP-0006.</li> <li>11. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.</li> </ol> |  |           |   |         |  |          |       |                      |



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شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

DATA SHEETS FOR MANUAL VALVES

| نسخه | سریال | نوع مدرک | رشته | تسهيلات | صادرکننده | بسته کاری | پروژه |
|------|-------|----------|------|---------|-----------|-----------|-------|
| D01  | 0002  | DT       | PI   | 120     | PEDCO     | GCS       | BK    |

شماره صفحه: ۱۹ از ۶۳

TAG NO: MV-GAT-C01B-HO

GENERAL DATA

|                     |                            |
|---------------------|----------------------------|
| Type of Valve:      | Gate                       |
| Pattern:            | Flexible Wedge, H.W.OP     |
| Valve Size Range:   | 2~10 inch                  |
| Piping Class & C.A: | AN04, AN05 & AN07 & C.A: 6 |

CODE & STANDARD

|                           |                |
|---------------------------|----------------|
| Design Code:              | API600         |
| Face to Face Dimensional: | ASME B16.10    |
| Fire Testing:             | API 6FA        |
| Pressure Testing:         | As per API 598 |

DESIGN DATA




|                     |                                |
|---------------------|--------------------------------|
| Pressure Rating:    | 150#                           |
| Design Pressure:    | 18                             |
| Design Temperature: | 85                             |
| Body Construction:  | Casting                        |
| End Connection:     | FLGD (In acc. with ASME B16.5) |
| Finishing:          | Note 10                        |

MATERIAL

|                 |  |
|-----------------|--|
| Body/Bonnet     | ASTM A216 WCB  |
| Ball/Disc/Plug: | 18-8 Cr-Ni/STELLITED (Trim No. 12)                           |
| Cover/Bonnet:   | BB   |
| Stem:           | 18-8 Cr-Ni   |
| Disc Seat:      | 18-8 Cr-Ni   |
| Body Seat:      | STELLITED  |
| Packing:        | STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE<br>+ PACKING RING |
| Gland:          | VTA  |
| Bolt & Nut:     | ASTM A193 Gr.B7M/ASTM A194 Gr.2HM                            |
| Bonnet Gasket:  | VTA  |

General Note:

1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
2. Inner or outer leakage is not acceptable.
3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.  
However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.
4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
6. All valve data sheets shall be confirmed by vendor.
7. All valve shall have a fire-safe design.
8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
9. Valves shall meet requirements of NACE MR0175/ISO 15156.
10. Valves shall be fully painted at vendor shop as per BK-GNRL-PEDCO-000-PI-SP-0006.
11. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.

|  |  |           |  |         |   |          |       |      |
|--|--|-----------|--|---------|---|----------|-------|------|
|   | <p>نگهداشت و افزایش تولید میدان نفتی بینک<br/>سطح الارض</p> <p>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> |           | <br> |         |   |          |       |      |
| شماره پیمان:   | DATA SHEETS FOR MANUAL VALVES  |           | شماره صفحه: ۲۰ از ۶۳   |         |   |          |       |      |
| ۰۵۳ - ۰۷۳ - ۹۱۸۴   | پروژه  | بسته کاری | صادر کننده   | تسهیلات | رشته  | نوع مدرک | سریال | نسخه |
|  | BK   | GCS       | PEDCO  | 120     | PI  | DT       | 0002  | D01  |
| TAG NO: MV-GAT-C01S-HO   |  |           |  |         |   |          |       |      |
| GENERAL DATA   |  |           |  |         |   |          |       |      |
| Type of Valve:<br>Pattern:<br>Valve Size Range:<br>Piping Class & C.A:   |  |           |  |         | Gate<br>Flexible Wedge, H.W.OP<br>2~10 inch<br>AS00 & C.A: 0  |          |       |      |
| CODE & STANDARD  |  |           |  |         |   |          |       |      |
| Design Code:<br>Face to Face Dimensional:<br>Fire Testing:<br>Pressure Testing:  |  |           |  |         | API600<br>ASME B16.10<br>API 6FA<br>As per API 598  |          |       |      |
| DESIGN DATA  |  |           |  |         |   |          |       |      |
| Pressure Rating:<br>Design Pressure:<br>Design Temperature:<br>Body Construction:<br>End Connection:<br>Finishing:   |  |           |  |         | 150#<br>18<br>85<br>Casting<br>FLGD (In acc. with ASME B16.5)<br>NA   |          |       |      |
| MATERIAL   |  |           |  |         |   |          |       |      |
| Body/Bonnet<br>Ball/Disc/Plug:<br>Cover/Bonnet:<br>Stem:<br>Disc Seat:<br>Body Seat:<br>Packing:<br>Gland:<br>Bolt & Nut:<br>Bonnet Gasket:  |  |           |  |         | ASTM A351 CF3M<br>18-8 Cr-Ni (Trim No. 10)<br>BB<br>18-8 Cr-Ni<br>18-8 Cr-Ni<br>VTA<br>STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE<br>+ PACKING RING<br>VTA<br>ASTM A193 Gr.B8M/ASTM A194 Gr.8M<br>VTA |          |       |      |
| <p><b>General Note:</b></p> <ol style="list-style-type: none"> <li>1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.</li> <li>2. Inner or outer leakage is not acceptable.</li> <li>3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.<br/>However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.</li> <li>4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.</li> <li>5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.</li> <li>6. All valve data sheets shall be confirmed by vendor.</li> <li>7. All valve shall have a fire-safe design.</li> <li>8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"</li> <li>9. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.</li> </ol> |  |           |  |         |   |          |       |      |



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شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

DATA SHEETS FOR MANUAL VALVES

| نسخه | سریال | نوع مدرک | رشته | تسهیلات | صادرکننده | بسته کاری | پروژه |
|------|-------|----------|------|---------|-----------|-----------|-------|
| D01  | 0002  | DT       | PI   | 120     | PEDCO     | GCS       | BK    |

شماره صفحه: ۲۱ از ۶۳

TAG NO: MV-GAT-C01A-GO

GENERAL DATA

|                     |                          |
|---------------------|--------------------------|
| Type of Valve:      | Gate                     |
| Pattern:            | Flexible Wedge, Gear .OP |
| Valve Size Range:   | 12~24 inch               |
| Piping Class & C.A: | AN01 & C.A: 1            |

CODE & STANDARD

|                           |                |
|---------------------------|----------------|
| Design Code:              | API600         |
| Face to Face Dimensional: | ASME B16.10    |
| Fire Testing:             | API 6FA        |
| Pressure Testing:         | As per API 598 |

DESIGN DATA

|                     |                                |
|---------------------|--------------------------------|
| Pressure Rating:    | 150#                           |
| Design Pressure:    | 18                             |
| Design Temperature: | 85                             |
| Body Construction:  | Casting                        |
| End Connection:     | FLGD (In acc. with ASME B16.5) |
| Finishing:          | Note 10                        |

MATERIAL

|                 |   |
|-----------------|---|
| Body/Bonnet     | ASTM A216 WCB   |
| Ball/Disc/Plug: | 13Cr/STELLITED (Trim No. 8)                               |
| Cover/Bonnet:   | BB  |
| Stem:           | 13Cr  |
| Disc Seat:      | 13Cr  |
| Body Seat:      | STELLITED   |
| Packing:        | STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING |
| Gland:          | VTA   |
| Bolt & Nut:     | ASTM A193 Gr.B7M/ASTM A194 Gr.2HM                         |
| Bonnet Gasket:  | VTA   |

General Note:

1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
2. Inner or outer leakage is not acceptable.
3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.  
However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.
4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
6. All valve data sheets shall be confirmed by vendor.
7. All valve shall have a fire-safe design.
8. There are "locked opened/closed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
9. Valves shall meet requirements of NACE MR0175/ISO 15156.
10. Valves shall be fully painted at vendor shop as per BK-GNRL-PEDCO-000-PI-SP-0006.
11. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.



نگهداشت و افزایش تولید میدان نفتی بینک  
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|                                  |                               |           |           |         |      |          |       |      |                      |
|----------------------------------|-------------------------------|-----------|-----------|---------|------|----------|-------|------|----------------------|
| شماره پیمان:<br>۰۵۳ - ۰۷۳ - ۹۱۸۴ | DATA SHEETS FOR MANUAL VALVES |           |           |         |      |          |       |      | شماره صفحه: ۲۲ از ۶۳ |
|                                  | پروژه                         | بسته کاری | صادرکننده | تسهیلات | رشته | نوع مدرک | سریال | نسخه |                      |
|                                  | BK                            | GCS       | PEDCO     | 120     | PI   | DT       | 0002  | D01  |                      |

TAG NO: MV-GAT-C01B-GO

GENERAL DATA

|                     |                            |
|---------------------|----------------------------|
| Type of Valve:      | Gate                       |
| Pattern:            | Flexible Wedge, Gear .OP   |
| Valve Size Range:   | 12~24 inch                 |
| Piping Class & C.A: | AN04, AN05 & AN07 & C.A: 6 |

CODE & STANDARD

|                           |                |
|---------------------------|----------------|
| Design Code:              | API600         |
| Face to Face Dimensional: | ASME B16.10    |
| Fire Testing:             | API 6FA        |
| Pressure Testing:         | As per API 598 |

DESIGN DATA

|                     |                                |
|---------------------|--------------------------------|
| Pressure Rating:    | 150#                           |
| Design Pressure:    | 18                             |
| Design Temperature: | 85                             |
| Body Construction:  | Casting                        |
| End Connection:     | FLGD (In acc. with ASME B16.5) |
| Finishing:          | Note 10                        |

MATERIAL

|                 |   |
|-----------------|---|
| Body/Bonnet     | ASTM A216 WCB   |
| Ball/Disc/Plug: | 18-8 Cr-Ni/STELLITED (Trim No. 12)                        |
| Cover/Bonnet:   | BB  |
| Stem:           | 18-8 Cr-Ni  |
| Disc Seat:      | 18-8 Cr-Ni  |
| Body Seat:      | STELLITED   |
| Packing:        | STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING |
| Gland:          | VTA   |
| Bolt & Nut:     | ASTM A193 Gr.B7M/ASTM A194 Gr.2HM                         |
| Bonnet Gasket:  | VTA   |

General Note:

1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
2. Inner or outer leakage is not acceptable.
3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.  
However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.
4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
6. All valve data sheets shall be confirmed by vendor.
7. All valve shall have a fire-safe design.
8. There are "locked opened/closed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
9. Valves shall meet requirements of NACE MR0175/ISO 15156.
10. Valves shall be fully painted at vendor shop as per BK-GNRL-PEDCO-000-PI-SP-0006.
11. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.



نگهداشت و افزایش تولید میدان نفتی بینک  
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شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

DATA SHEETS FOR MANUAL VALVES

| نسخه | سریال | نوع مدرک | رشته | تسهیلات | صادرکننده | بسته کاری | پروژه |
|------|-------|----------|------|---------|-----------|-----------|-------|
| D01  | 0002  | DT       | PI   | 120     | PEDCO     | GCS       | BK    |

شماره صفحه: ۲۳ از ۶۳

TAG NO: MV-GAT-C01S-GO

GENERAL DATA

|                     |                          |
|---------------------|--------------------------|
| Type of Valve:      | Gate                     |
| Pattern:            | Flexible Wedge, Gear .OP |
| Valve Size Range:   | 12~24 inch               |
| Piping Class & C.A: | AS00 & C.A: 0            |

CODE & STANDARD

|                           |                |
|---------------------------|----------------|
| Design Code:              | API600         |
| Face to Face Dimensional: | ASME B16.10    |
| Fire Testing:             | API 6FA        |
| Pressure Testing:         | As per API 598 |

DESIGN DATA

|                     |                                |
|---------------------|--------------------------------|
| Pressure Rating:    | 150#                           |
| Design Pressure:    | 18                             |
| Design Temperature: | 85                             |
| Body Construction:  | Casting                        |
| End Connection:     | FLGD (In acc. with ASME B16.5) |
| Finishing:          | NA                             |

MATERIAL

|                 |   |
|-----------------|---|
| Body/Bonnet     | ASTM A351 CF3M  |
| Ball/Disc/Plug: | 18-8 Cr-Ni (Trim No. 10)                                  |
| Cover/Bonnet:   | BB  |
| Stem:           | 18-8 Cr-Ni  |
| Disc Seat:      | 18-8 Cr-Ni  |
| Body Seat:      | VTA   |
| Packing:        | STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING |
| Gland:          | VTA   |
| Bolt & Nut:     | ASTM A193 Gr.B8M/ASTM A194 Gr.8M                          |
| Bonnet Gasket:  | VTA   |

General Note:

1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
2. Inner or outer leakage is not acceptable.
3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.  
However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.
4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
6. All valve data sheets shall be confirmed by vendor.
7. All valve shall have a fire-safe design.
8. There are "locked opened/closed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
9. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.



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شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

DATA SHEETS FOR MANUAL VALVES

| نسخه | سریال | نوع مدرک | رشته | تسهيلات | صادرکننده | بسته کاری | پروژه |
|------|-------|----------|------|---------|-----------|-----------|-------|
| D01  | 0002  | DT       | PI   | 120     | PEDCO     | GCS       | BK    |

شماره صفحه: ۲۴ از ۶۳

TAG NO: MV-GAT-C03-HO

GENERAL DATA

|                     |                        |
|---------------------|------------------------|
| Type of Valve:      | Gate                   |
| Pattern:            | Flexible Wedge, H.W.OP |
| Valve Size Range:   | 2~10 inch              |
| Piping Class & C.A: | CN05 & CN07 & C.A: 6   |

CODE & STANDARD

|                           |                |
|---------------------------|----------------|
| Design Code:              | API600         |
| Face to Face Dimensional: | ASME B16.10    |
| Fire Testing:             | API 6FA        |
| Pressure Testing:         | As per API 598 |

DESIGN DATA

|                     |                                |
|---------------------|--------------------------------|
| Pressure Rating:    | 300#                           |
| Design Pressure:    | 48                             |
| Design Temperature: | 155                            |
| Body Construction:  | Casting                        |
| End Connection:     | FLGD (In acc. with ASME B16.5) |
| Finishing:          | Note 10                        |

MATERIAL

|                 |   |
|-----------------|---|
| Body/Bonnet     | ASTM A216 WCB   |
| Ball/Disc/Plug: | SS316/STELLITED (Trim No. 12)                             |
| Cover/Bonnet:   | BB  |
| Stem:           | SS316/STELLITED   |
| Disc Seat:      | SS316   |
| Body Seat:      | STELLITED   |
| Packing:        | STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING |
| Gland:          | VTA   |
| Bolt & Nut:     | ASTM A193 Gr.B7M/ASTM A194 Gr.2HM                         |
| Bonnet Gasket:  | VTA   |

General Note:

1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
2. Inner or outer leakage is not acceptable.
3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.  
However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.
4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
6. All valve data sheets shall be confirmed by vendor.
7. All valve shall have a fire-safe design.
8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
9. Valves shall meet requirements of NACE MR0175/ISO 15156.
10. Valves shall be fully painted at vendor shop as per BK-GNRL-PEDCO-000-PI-SP-0006.
11. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.



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شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

DATA SHEETS FOR MANUAL VALVES

پروژه

بسته کاری

صادر کننده

تسهيلات

رشته

نوع مدرک

سریال

نسخه

BK

GCS

PEDCO

120

PI

DT

0002

D01

شماره صفحه: ۶۳ از ۲۵

TAG NO: MV-GAT-C03S-HO

GENERAL DATA

Type of Valve:

Gate

Pattern:

Flexible Wedge, H.W.OP

Valve Size Range:

2~10 inch

Piping Class & C.A:

CS00 & C.A: 0

CODE & STANDARD

Design Code:

API600

Face to Face Dimensional:

ASME B16.10

Fire Testing:

API 6FA

Pressure Testing:

As per API 598

DESIGN DATA

Pressure Rating:

300#

Design Pressure:

48

Design Temperature:

155

Body Construction:

Casting

End Connection:

FLGD (In acc. with ASME B16.5)

Finishing:

NA

MATERIAL

Body/Bonnet

ASTM A351 CF3M

Ball/Disc/Plug:

18-8 Cr-Ni (Trim No. 10)

Cover/Bonnet:

BB

Stem:

18-8 Cr-Ni

Disc Seat:

18-8 Cr-Ni

Body Seat:

VTA

Packing:

STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

Gland:

VTA

Bolt & Nut:

ASTM A193 Gr.B8M/ASTM A194 Gr.8M

Bonnet Gasket:

VTA

General Note:

1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
2. Inner or outer leakage is not acceptable.
3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.  
However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.
4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
6. All valve data sheets shall be confirmed by vendor.
7. All valve shall have a fire-safe design.
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شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

DATA SHEETS FOR MANUAL VALVES

| نسخه | سریال | نوع مدرک | رشته | تسهيلات | صادرکننده | بسته کاری | پروژه |
|------|-------|----------|------|---------|-----------|-----------|-------|
| D01  | 0002  | DT       | PI   | 120     | PEDCO     | GCS       | BK    |

شماره صفحه: ۲۶ از ۶۳

TAG NO: MV-GAT-C03-GO

GENERAL DATA

|                     |                          |
|---------------------|--------------------------|
| Type of Valve:      | Gate                     |
| Pattern:            | Flexible Wedge, Gear .OP |
| Valve Size Range:   | 12~24 inch               |
| Piping Class & C.A: | CN05 & CN07 & C.A: 6     |

CODE & STANDARD

|                           |                |
|---------------------------|----------------|
| Design Code:              | API600         |
| Face to Face Dimensional: | ASME B16.10    |
| Fire Testing:             | API 6FA        |
| Pressure Testing:         | As per API 598 |

DESIGN DATA



|                     |                                |
|---------------------|--------------------------------|
| Pressure Rating:    | 300#                           |
| Design Pressure:    | 48                             |
| Design Temperature: | 155                            |
| Body Construction:  | Casting                        |
| End Connection:     | FLGD (In acc. with ASME B16.5) |
| Finishing:          | Note 10                        |



MATERIAL

|                 |   |
|-----------------|---|
| Body/Bonnet     | ASTM A216 WCB   |
| Ball/Disc/Plug: | SS316/STELLITED (Trim No. 12)                             |
| Cover/Bonnet:   | BB  |
| Stem:           | SS316/STELLITED   |
| Disc Seat:      | SS316   |
| Body Seat:      | STELLITED   |
| Packing:        | STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING |
| Gland:          | VTA   |
| Bolt & Nut:     | ASTM A193 Gr.B7M/ASTM A194 Gr.2HM                         |
| Bonnet Gasket:  | VTA   |

General Note:

1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
2. Inner or outer leakage is not acceptable.
3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.  
However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.
4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
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7. All valve shall have a fire-safe design.
8. There are "locked opened/closed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
9. Valves shall meet requirements of NACE MR0175/ISO 15156.
10. Valves shall be fully painted at vendor shop as per BK-GNRL-PEDCO-000-PI-SP-0006.
11. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.

|  |  |           |   |         |   |          |       |                      |
|--|--|-----------|---|---------|---|----------|-------|----------------------|
|    | <p>نگهداشت و افزایش تولید میدان نفتی بینک<br/>سطح الارض</p> <p>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> |           |  |         |   |          |       |                      |
| شماره پیمان:<br>۰۵۳ - ۰۷۳ - ۹۱۸۴   | DATA SHEETS FOR MANUAL VALVES  |           |   |         |   |          |       | شماره صفحه: ۲۷ از ۶۳ |
|  | پروژه  | بسته کاری | صادر کننده  | تسهیلات | رشته  | نوع مدرک | سریال | نسخه                 |
|  | BK   | GCS       | PEDCO   | 120     | PI  | DT       | 0002  | D01                  |
| TAG NO: MV-GAT-C06-HO  |  |           |   |         |   |          |       |                      |
| GENERAL DATA   |  |           |   |         |   |          |       |                      |
| Type of Valve:<br>Pattern:<br>Valve Size Range:<br>Piping Class & C.A:   |  |           |   |         | Gate<br>Flexible Wedge, H.W .OP<br>2~10 inch<br>FN05 & FN07 & C.A: 6  |          |       |                      |
| CODE & STANDARD  |  |           |   |         |   |          |       |                      |
| Design Code:<br>Face to Face Dimensional:<br>Fire Testing:<br>Pressure Testing:  |  |           |   |         | API600<br>ASME B16.10<br>API 6FA<br>As per API 598  |          |       |                      |
| DESIGN DATA  |  |           |   |         |   |          |       |                      |
| Pressure Rating:<br>Design Pressure:<br>Design Temperature:<br>Body Construction:<br>End Connection:<br>Finishing:   |  |           |   |         | 600#<br>90<br>175<br>Casting<br>FLGD (In acc. with ASME B16.5)<br>Note 10   |          |       |                      |
| MATERIAL   |  |           |   |         |   |          |       |                      |
| Body/Bonnet<br>Ball/Disc/Plug:<br>Cover/Bonnet:<br>Stem:<br>Disc Seat:<br>Body Seat:<br>Packing:<br>Gland:<br>Bolt & Nut:<br>Bonnet Gasket:  |  |           |   |         | ASTM A216 WCB<br>SS316/STELLITED (Trim No. 12)<br>BB<br>SS316/STELLITED<br>SS316<br>STELLITED<br>STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE<br>+ PACKING RING<br>ASTM A193 Gr.B7M/ASTM A194 Gr.2HM<br>VTA |          |       |                      |
| <p><b>General Note:</b></p> <ol style="list-style-type: none"> <li>1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.</li> <li>2. Inner or outer leakage is not acceptable.</li> <li>3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.<br/>However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.</li> <li>4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.</li> <li>5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.</li> <li>6. All valve data sheets shall be confirmed by vendor.</li> <li>7. All valve shall have a fire-safe design.</li> <li>8. There are "locked opened/closed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"</li> <li>9. Valves shall meet requirements of NACE MR0175/ISO 15156.</li> <li>10. Valves shall be fully painted at vendor shop as per BK-GNRL-PEDCO-000-PI-SP-0006.</li> <li>11. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.</li> </ol> |  |           |   |         |   |          |       |                      |

|   |  |           |            |         |  |          |       |   |
|---|--|-----------|------------|---------|--|----------|-------|---|
|  <p>NISOC</p>   | <p>تجهداشت و افزایش تولید میدان نفتی بینک<br/>سطح الارض</p> <p>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> |           |            |         |  |          |       |  |
| شماره پیمان:<br>۰۵۳ - ۰۷۳ - ۹۱۸۴  | DATA SHEETS FOR MANUAL VALVES  |           |            |         |  |          |       | شماره صفحه: ۲۸ از ۶۳  |
|   | پروژه  | بسته کاری | صادر کننده | تسهیلات | رشته   | نوع مدرک | سریال | نسخه  |
|   | BK   | GCS       | PEDCO      | 120     | PI   | DT       | 0002  | D01   |
| TAG NO: MV-GAT-C06S-HO  |  |           |            |         |  |          |       |   |
| GENERAL DATA  |  |           |            |         |  |          |       |   |
| Type of Valve:<br>Pattern:<br>Valve Size Range:<br>Piping Class & C.A:  |  |           |            |         | Gate<br>Flexible Wedge, H.W .OP<br>2~10 inch<br>FS00 & C.A: 0  |          |       |   |
| CODE & STANDARD   |  |           |            |         |  |          |       |   |
| Design Code:<br>Face to Face Dimensional:<br>Fire Testing:<br>Pressure Testing:   |  |           |            |         | API600<br>ASME B16.10<br>API 6FA<br>As per API 598   |          |       |   |
| DESIGN DATA   |  |           |            |         |  |          |       |   |
| Pressure Rating:<br>Design Pressure:<br>Design Temperature:<br>Body Construction:<br>End Connection:<br>Finishing:  |  |           |            |         | 600#<br>90<br>175<br>Casting<br>FLGD (In acc. with ASME B16.5)<br>NA   |          |       |   |
| MATERIAL  |  |           |            |         |  |          |       |   |
| Body/Bonnet<br>Ball/Disc/Plug:<br>Cover/Bonnet:<br>Stem:<br>Disc Seat:<br>Body Seat:<br>Packing:<br>Gland:<br>Bolt & Nut:<br>Bonnet Gasket:   |  |           |            |         | ASTM A351 CF3M<br>18-8 Cr-Ni (Trim No. 10)<br>BB<br>18-8 Cr-Ni<br>18-8 Cr-Ni<br>VTA<br>STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING<br>VTA<br>ASTM A193 Gr.B8M/ASTM A194 Gr.8M<br>VTA |          |       |   |
| <p><b>General Note:</b></p> <ol style="list-style-type: none"> <li>1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.</li> <li>2. Inner or outer leakage is not acceptable.</li> <li>3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.<br/>However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.</li> <li>4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.</li> <li>5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.</li> <li>6. All valve data sheets shall be confirmed by vendor.</li> <li>7. All valve shall have a fire-safe design.</li> <li>8. There are "locked opened/closed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"</li> <li>9. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.</li> </ol> |  |           |            |         |  |          |       |   |



نگهداشت و افزایش تولید میدان نفتی بینک  
سطح الارض

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک



شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

DATA SHEETS FOR MANUAL VALVES

|      |       |          |      |         |           |           |       |
|------|-------|----------|------|---------|-----------|-----------|-------|
| نسخه | سریال | نوع مدرک | رشته | تسهیلات | صادرکننده | بسته کاری | پروژه |
| D01  | 0002  | DT       | PI   | 120     | PEDCO     | GCS       | BK    |

شماره صفحه: ۲۹ از ۶۳

TAG NO: MV-GAT-C06-GO

GENERAL DATA

|                     |                          |
|---------------------|--------------------------|
| Type of Valve:      | Gate                     |
| Pattern:            | Flexible Wedge, Gear .OP |
| Valve Size Range:   | 12~24 inch               |
| Piping Class & C.A: | FN05 & FN07 & C.A: 6     |

CODE & STANDARD

|                           |                |
|---------------------------|----------------|
| Design Code:              | API600         |
| Face to Face Dimensional: | ASME B16.10    |
| Fire Testing:             | API 6FA        |
| Pressure Testing:         | As per API 598 |

DESIGN DATA

|                     |                                |
|---------------------|--------------------------------|
| Pressure Rating:    | 600#                           |
| Design Pressure:    | 90                             |
| Design Temperature: | 175                            |
| Body Construction:  | Casting                        |
| End Connection:     | FLGD (In acc. with ASME B16.5) |
| Finishing:          | Note 10                        |

MATERIAL

|                 |   |
|-----------------|---|
| Body/Bonnet     | ASTM A216 WCB   |
| Ball/Disc/Plug: | SS316/STELLITED (Trim No. 12)                             |
| Cover/Bonnet:   | BB  |
| Stem:           | SS316/STELLITED   |
| Disc Seat:      | SS316   |
| Body Seat:      | STELLITED   |
| Packing:        | STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING |
| Gland:          | VTA   |
| Bolt & Nut:     | ASTM A193 Gr.B7M/ASTM A194 Gr.2HM                         |
| Bonnet Gasket:  | VTA   |

General Note:

1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
2. Inner or outer leakage is not acceptable.
3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.  
However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.
4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
6. All valve data sheets shall be confirmed by vendor.
7. All valve shall have a fire-safe design.
8. There are "locked opened/closed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
9. Valves shall meet requirements of NACE MR0175/ISO 15156.
10. Valves shall be fully painted at vendor shop as per BK-GNRL-PEDCO-000-PI-SP-0006.
11. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.



نگهداشت و افزایش تولید میدان نفتی بینک  
سطح الارض

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک



شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

DATA SHEETS FOR MANUAL VALVES

پروژه

بسته کاری

صادر کننده

تسهيلات

رشته

نوع مدرک

سریال

نسخه

BK

GCS

PEDCO

120

PI

DT

0002

D01

شماره صفحه: ۶۳ از ۳۰

TAG NO: MV-GLB-F08A

GENERAL DATA

Type of Valve:

Globe

Pattern:

OS&Y, SWIVEL PLUG DISC, H.W.OP

Valve Size Range:

1/2 ~ 1 1/2 inch

Piping Class & C.A:

AN01 & C.A: 1

CODE & STANDARD

Design Code:

API 602/MFR

Face to Face Dimensional:

ASME B16.10

Fire Testing:

API 6FA

Pressure Testing:

As per API 598

DESIGN DATA

Pressure Rating:

800#

Design Pressure:

90

Design Temperature:

85

Body Construction:

Forged

Trim Construction:

Forged (VTC)

End Connection:

SW

Finishing:

Note 10

MATERIAL

Body/Bonnet

ASTM A105

Ball/Disc/Plug:

ASTM A 182 F6A/STELLITED (Trim No. 8)

Cover/Bonnet:

BB

Stem:

ASTM A 182 F6A

Disc Seat:

ASTM A 182 F6A

Body Seat:

ASTM A 182 F6A

Packing:

STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

Gland:

VTA

Bolt & Nut:

ASTM A193 Gr.B7M/ASTM A194 Gr.2HM

Bonnet Gasket:

VTA

General Note:

1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
2. Inner or outer leakage is not acceptable.
3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.  
However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.
4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
6. All valve data sheets shall be confirmed by vendor.
7. All valve shall have a fire-safe design.
8. There are "locked opened/closed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
9. Valves shall meet requirements of NACE MR0175/ISO 15156.
10. Valves shall be fully painted at vendor shop as per BK-GNRL-PEDCO-000-PI-SP-0006.



نگهداشت و افزایش تولید میدان نفتی بینک  
سطح الارض

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک



شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

DATA SHEETS FOR MANUAL VALVES

| نسخه | سریال | نوع مدرک | رشته | تهیلات | صادر کننده | بسته کاری | پروژه |
|------|-------|----------|------|--------|------------|-----------|-------|
| D01  | 0002  | DT       | PI   | 120    | PEDCO      | GCS       | BK    |

شماره صفحه: ۶۳ از ۳۱

TAG NO: MV-GLB-F08B

GENERAL DATA

|                     |  |
|---------------------|--|
| Type of Valve:      | Globe  |
| Pattern:            | OS&Y, SWIVEL PLUG DISC, H.W.OP                     |
| Valve Size Range:   | 1/2 ~ 1 1/2 inch                                   |
| Piping Class & C.A: | AN04, AN05, AN07, CN05, CN07, FN05 & FN07 & C.A: 6 |

CODE & STANDARD

|                           |                |
|---------------------------|----------------|
| Design Code:              | API 602/MFR    |
| Face to Face Dimensional: | ASME B16.10    |
| Fire Testing:             | API 6FA        |
| Pressure Testing:         | As per API 598 |

DESIGN DATA

|                     |              |
|---------------------|--------------|
| Pressure Rating:    | 800#         |
| Design Pressure:    | 90           |
| Design Temperature: | 85           |
| Body Construction:  | Forged       |
| Trim Construction:  | Forged (VTC) |
| End Connection:     | SW           |
| Finishing:          | Note 10      |

MATERIAL

|                 |   |
|-----------------|---|
| Body/Bonnet     | ASTM A105   |
| Ball/Disc/Plug: | ASTM A 182 F316/STELLITED (Trim No. 12)                   |
| Cover/Bonnet:   | BB  |
| Stem:           | ASTM A 182 F316   |
| Disc Seat:      | ASTM A 182 F316   |
| Body Seat:      | ASTM A 182 F316   |
| Packing:        | STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING |
| Gland:          | VTA   |
| Bolt & Nut:     | ASTM A193 Gr.B7M/ASTM A194 Gr.2HM                         |
| Bonnet Gasket:  | VTA   |

General Note:

1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
2. Inner or outer leakage is not acceptable.
3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.  
However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.
4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
6. All valve data sheets shall be confirmed by vendor.
7. All valve shall have a fire-safe design.
8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
9. Valves shall meet requirements of NACE MR0175/ISO 15156.
10. Valves shall be fully painted at vendor shop as per BK-GNRL-PEDCO-000-PI-SP-0006.



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شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

DATA SHEETS FOR MANUAL VALVES

| نسخه | سریال | نوع مدرک | رشته | تسهيلات | صادرکننده | بسته کاری | پروژه |
|------|-------|----------|------|---------|-----------|-----------|-------|
| D01  | 0002  | DT       | PI   | 120     | PEDCO     | GCS       | BK    |

شماره صفحه: ۶۳ از ۲۲

TAG NO: MV-GLB-F08S

GENERAL DATA

|                     |                                |
|---------------------|--------------------------------|
| Type of Valve:      | Globe                          |
| Pattern:            | OS&Y, SWIVEL PLUG DISC, H.W.OP |
| Valve Size Range:   | 1/2 ~ 1 1/2 inch               |
| Piping Class & C.A: | AS00, CS00 & FS00 & C.A: 0     |

CODE & STANDARD

|                           |                |
|---------------------------|----------------|
| Design Code:              | API 602/MFR    |
| Face to Face Dimensional: | ASME B16.10    |
| Fire Testing:             | API 6FA        |
| Pressure Testing:         | As per API 598 |

DESIGN DATA

|                     |              |
|---------------------|--------------|
| Pressure Rating:    | 800#         |
| Design Pressure:    | 90           |
| Design Temperature: | 85           |
| Body Construction:  | Forged       |
| Trim Construction:  | Forged (VTC) |
| End Connection:     | SW           |
| Finishing:          | NA           |

MATERIAL

|                 |   |
|-----------------|---|
| Body/Bonnet     | ASTM A182 F316L   |
| Ball/Disc/Plug: | ASTM A 182 F316 (Trim No. 10)                             |
| Cover/Bonnet:   | BB  |
| Stem:           | ASTM A 182 F316   |
| Disc Seat:      | ASTM A 182 F316   |
| Body Seat:      | ASTM A 182 F316   |
| Packing:        | STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING |
| Gland:          | VTA   |
| Bolt & Nut:     | ASTM A193 Gr.B8M/ASTM A194 Gr.8M                          |
| Bonnet Gasket:  | VTA   |

General Note:

1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
2. Inner or outer leakage is not acceptable.
3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.  
However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.
4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
6. All valve data sheets shall be confirmed by vendor.
7. All valve shall have a fire-safe design.
8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"



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شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

DATA SHEETS FOR MANUAL VALVES

پروژه

بسته کاری

صادر کننده

تسهیلات

رشته

نوع مدرک

سریال

نسخه

شماره صفحه: ۳۳ از ۶۳

BK

GCS

PEDCO

120

PI

DT

0002

D01

TAG NO: MV-GLB-F08AZ

GENERAL DATA

|                     |                                |
|---------------------|--------------------------------|
| Type of Valve:      | Globe                          |
| Pattern:            | OS&Y, SWIVEL PLUG DISC, H.W.OP |
| Valve Size Range:   | 1/2 ~ 1 1/2 inch               |
| Piping Class & C.A: | AZ00 & C.A: 0                  |

CODE & STANDARD

|                           |                |
|---------------------------|----------------|
| Design Code:              | BS 5154        |
| Face to Face Dimensional: | ASME B16.10    |
| Fire Testing:             | API 6FA        |
| Pressure Testing:         | As per API 598 |

DESIGN DATA



|                     |        |
|---------------------|--------|
| Pressure Rating:    | 800#   |
| Design Pressure:    | 18     |
| Design Temperature: | 85     |
| Body Construction:  | Forged |
| End Connection:     | NPT    |
| Finishing:          | NA     |




MATERIAL



|                 |   |
|-----------------|---|
| Body/Bonnet     | ASTM B148 UNS C95800                                      |
| Ball/Disc/Plug: | ASTM B148 UNS C95800                                      |
| Cover/Bonnet:   | Screwed Bonnet  |
| Stem:           | Aluminium Bronze  |
| Disc Seat:      | ASTM B148 UNS C95800                                      |
| Body Seat:      | VTA   |
| Packing:        | STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING |
| Gland:          | VTA   |
| Bolt & Nut:     | VTA   |
| Bonnet Gasket:  | VTA   |



General Note:




1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
2. Inner or outer leakage is not acceptable.
3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.  
However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.
4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
6. All valve data sheets shall be confirmed by vendor.
7. All valve shall have a fire-safe design.
8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"

|  |  |           |            |         |  |          |       |   |
|--|--|-----------|------------|---------|--|----------|-------|---|
|    | <p style="text-align: center;">نگهداشت و افزایش تولید میدان نفتی بینک<br/>سطح الارض</p> <p style="text-align: center;">احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> |           |            |         |  |          |       |  |
| شماره پیمان:<br>۰۵۳ - ۰۷۳ - ۹۱۸۴   | DATA SHEETS FOR MANUAL VALVES  |           |            |         |  |          |       | شماره صفحه: ۶۳ از ۳۴  |
|  | پروژه  | بسته کاری | صادر کننده | تسهیلات | رشته   | نوع مدرک | سریال | نسخه  |
|  | BK   | GCS       | PEDCO      | 120     | PI   | DT       | 0002  | D01   |
| TAG NO: MV-GLB-C01A-HO   |  |           |            |         |  |          |       |   |
| GENERAL DATA   |  |           |            |         |  |          |       |   |
| Type of Valve:<br>Pattern:<br>Valve Size Range:<br>Piping Class & C.A:   |  |           |            |         | Globe<br>OS&Y, SWIVEL PLUG DISC, H.W.OP<br>2 ~ 6 inch<br>AN01 & C.A: 1   |          |       |   |
| CODE & STANDARD  |  |           |            |         |  |          |       |   |
| Design Code:<br>Face to Face Dimensional:<br>Fire Testing:<br>Pressure Testing:  |  |           |            |         | BS 1873<br>ASME B16.10<br>API 6FA<br>As per API 598  |          |       |   |
| DESIGN DATA  |  |           |            |         |  |          |       |   |
| Pressure Rating:<br>Design Pressure:<br>Design Temperature:<br>Body Construction:<br>Trim Construction:<br>End Connection:<br>Finishing:   |  |           |            |         | 150#<br>18<br>85<br>Casting<br>Casting<br>FLGD (In acc. with ASME B16.5)<br>Note 10  |          |       |   |
| MATERIAL   |  |           |            |         |  |          |       |   |
| Body/Bonnet<br>Ball/Disc/Plug:<br>Cover/Bonnet:<br>Stem:<br>Disc Seat:<br>Body Seat:<br>Packing:<br>Gland:<br>Bolt & Nut:<br>Bonnet Gasket:  |  |           |            |         | ASTM A216 WCB<br>13 Cr/STELLITED (Trim No. 8)<br>BB<br>13Cr<br>13Cr<br>STELLITED<br>STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING<br>VTA<br>ASTM A193 Gr.B7M/ASTM A194 Gr.2HM<br>VTA |          |       |   |
| <b>General Note:</b><br>1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.<br>2. Inner or outer leakage is not acceptable.<br>3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.<br>However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.<br>4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.<br>5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.<br>6. All valve data sheets shall be confirmed by vendor.<br>7. All valve shall have a fire-safe design.<br>8. There are "locked opened/closed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"<br>9. Valves shall meet requirements of NACE MR0175/ISO 15156.<br>10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.<br>11. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs. |  |           |            |         |  |          |       |   |

|  |  |           |            |         |  |          |       |  |
|--|--|-----------|------------|---------|--|----------|-------|--|
|    | <p>نگهداشت و افزایش تولید میدان نفتی بینک<br/>سطح الارض</p> <p>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> |           |            |         |  |          |       | <br> |
| شماره پیمان:<br>۰۵۳ - ۰۷۳ - ۹۱۸۴   | DATA SHEETS FOR MANUAL VALVES  |           |            |         |  |          |       | شماره صفحه: ۳۵ از ۶۳   |
|  | پروژه  | بسته کاری | صادر کننده | تسهیلات | رشته   | نوع مدرک | سریال | نسخه   |
|  | BK   | GCS       | PEDCO      | 120     | PI   | DT       | 0002  | D01  |
| TAG NO: MV-GLB-C01B-HO   |  |           |            |         |  |          |       |  |
| GENERAL DATA   |  |           |            |         |  |          |       |  |
| Type of Valve:<br>Pattern:<br>Valve Size Range:<br>Piping Class & C.A:   |  |           |            |         | Globe<br>OS&Y, SWIVEL PLUG DISC, H.W.OP<br>2 ~ 6 inch<br>AN04, AN05 & AN07 & C.A: 6  |          |       |  |
| CODE & STANDARD  |  |           |            |         |  |          |       |  |
| Design Code:<br>Face to Face Dimensional:<br>Fire Testing:<br>Pressure Testing:  |  |           |            |         | BS 1873<br>ASME B16.10<br>API 6FA<br>As per API 598  |          |       |  |
| DESIGN DATA  |  |           |            |         |  |          |       |  |
| Pressure Rating:<br>Design Pressure:<br>Design Temperature:<br>Body Construction:<br>Trim Construction:<br>End Connection:<br>Finishing:   |  |           |            |         | 150#<br>18<br>85<br>Casting<br>Casting<br>FLGD (In acc. with ASME B16.5)<br>Note 10  |          |       |  |
| MATERIAL   |  |           |            |         |  |          |       |  |
| Body/Bonnet<br>Ball/Disc/Plug:<br>Cover/Bonnet:<br>Stem:<br>Disc Seat:<br>Body Seat:<br>Packing:<br>Gland:<br>Bolt & Nut:<br>Bonnet Gasket:  |  |           |            |         | ASTM A216 WCB<br>18-8 Cr-Ni/STELLITED (Trim No. 12)<br>BB<br>18-8 Cr-Ni<br>18-8 Cr-Ni<br>STELLITED<br>STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING<br>VTA<br>ASTM A193 Gr.B7M/ASTM A194 Gr.2HM<br>VTA |          |       |  |
| <b>General Note:</b><br>1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.<br>2. Inner or outer leakage is not acceptable.<br>3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.<br>However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.<br>4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.<br>5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.<br>6. All valve data sheets shall be confirmed by vendor.<br>7. All valve shall have a fire-safe design.<br>8. There are "locked opened/closed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"<br>9. Valves shall meet requirements of NACE MR0175/ISO 15156.<br>10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.<br>11. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs. |  |           |            |         |  |          |       |  |

|  |  |           |            |         |  |          |       |   |
|--|--|-----------|------------|---------|--|----------|-------|---|
|    | <p style="text-align: center;">نگهداشت و افزایش تولید میدان نفتی بینک<br/>سطح الارض</p> <p style="text-align: center;">احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> |           |            |         |  |          |       |  |
| شماره پیمان:<br>۰۵۳ - ۰۷۳ - ۹۱۸۴   | DATA SHEETS FOR MANUAL VALVES  |           |            |         |  |          |       | شماره صفحه: ۳۶ از ۶۳  |
|  | پروژه  | بسته کاری | صادر کننده | تسهیلات | رشته   | نوع مدرک | سریال | نسخه  |
|  | BK   | GCS       | PEDCO      | 120     | PI   | DT       | 0002  | D01   |
| TAG NO: MV-GLB-C01S-HO   |  |           |            |         |  |          |       |   |
| GENERAL DATA   |  |           |            |         |  |          |       |   |
| Type of Valve:<br>Pattern:<br>Valve Size Range:<br>Piping Class & C.A:   |  |           |            |         | Globe<br>OS&Y, SWIVEL PLUG DISC, H.W.OP<br>2 ~ 6 inch<br>AS00 & C.A: 0   |          |       |   |
| CODE & STANDARD  |  |           |            |         |  |          |       |   |
| Design Code:<br>Face to Face Dimensional:<br>Fire Testing:<br>Pressure Testing:  |  |           |            |         | BS 1873<br>ASME B16.10<br>API 6FA<br>As per API 598  |          |       |   |
| DESIGN DATA  |  |           |            |         |  |          |       |   |
| Pressure Rating:<br>Design Pressure:<br>Design Temperature:<br>Body Construction:<br>Trim Construction:<br>End Connection:<br>Finishing:   |  |           |            |         | 150#<br>18<br>85<br>Casting<br>Casting<br>FLGD (In acc. with ASME B16.5)<br>NA   |          |       |   |
| MATERIAL   |  |           |            |         |  |          |       |   |
| Body/Bonnet<br>Ball/Disc/Plug:<br>Cover/Bonnet:<br>Stem:<br>Disc Seat:<br>Body Seat:<br>Packing:<br>Gland:<br>Bolt & Nut:<br>Bonnet Gasket:  |  |           |            |         | ASTM A351 CF3M<br>18-8 Cr-Ni (Trim No. 10)<br>BB<br>18-8 Cr-Ni<br>18-8 Cr-Ni<br>VTA<br>STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING<br>VTA<br>ASTM A193 Gr.B8M/ASTM A194 Gr.8M<br>VTA |          |       |   |
| <b>General Note:</b><br>1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.<br>2. Inner or outer leakage is not acceptable.<br>3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.<br>However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.<br>4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.<br>5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.<br>6. All valve data sheets shall be confirmed by vendor.<br>7. All valve shall have a fire-safe design.<br>8. There are "locked opened/closed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"<br>9. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs. |  |           |            |         |  |          |       |   |

|  |  |           |            |         |   |          |   |      |                      |
|--|--|-----------|------------|---------|---|----------|---|------|----------------------|
|   | <p>نگهداشت و افزایش تولید میدان نفتی بینک<br/>سطح الارض</p> <p>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> |           |            |         |   |          |  |      |                      |
| شماره پیمان:   | DATA SHEETS FOR MANUAL VALVES  |           |            |         |   |          |   |      | شماره صفحه: ۳۷ از ۶۳ |
| ۰۵۳ - ۰۷۳ - ۹۱۸۴   | پروژه  | بسته کاری | صادر کننده | تسهیلات | رشته  | نوع مدرک | سریال   | نسخه |                      |
|  | BK   | GCS       | PEDCO      | 120     | PI  | DT       | 0002  | D01  |                      |
| TAG NO: MV-GLB-C01-GO  |  |           |            |         |   |          |   |      |                      |
| GENERAL DATA   |  |           |            |         |   |          |   |      |                      |
| Type of Valve:<br>Pattern:<br>Valve Size Range:<br>Piping Class & C.A:   |  |           |            |         | Globe<br>OS&Y, SWIVEL PLUG DISC, Gear.OP<br>8 ~ 24 inch<br>AN04, AN05 & AN07 & C.A: 6   |          |   |      |                      |
| CODE & STANDARD  |  |           |            |         |   |          |   |      |                      |
| Design Code:<br>Face to Face Dimensional:<br>Fire Testing:<br>Pressure Testing:  |  |           |            |         | BS 1873<br>ASME B16.10<br>API 6FA<br>As per API 598   |          |   |      |                      |
| DESIGN DATA  |  |           |            |         |   |          |   |      |                      |
| Pressure Rating:<br>Design Pressure:<br>Design Temperature:<br>Body Construction:<br>Trim Construction:<br>End Connection:<br>Finishing:   |  |           |            |         | 150#<br>18<br>85<br>Casting<br>Casting<br>FLGD (In acc. with ASME B16.5)<br>Note 10   |          |   |      |                      |
| MATERIAL   |  |           |            |         |   |          |   |      |                      |
| Body/Bonnet<br>Ball/Disc/Plug:<br>Cover/Bonnet:<br>Stem:<br>Disc Seat:<br>Body Seat:<br>Packing:<br>Gland:<br>Bolt & Nut:<br>Bonnet Gasket:  |  |           |            |         | ASTM A216 WCB<br>13 Cr/STELLITED (Trim No. 8)<br>BB<br>13Cr<br>13Cr<br>STELLITED<br>STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE<br>+ PACKING RING<br>VTA<br>ASTM A193 Gr.B7M/ASTM A194 Gr.2HM<br>VTA |          |   |      |                      |
| <p><b>General Note:</b></p> <ol style="list-style-type: none"> <li>1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.</li> <li>2. Inner or outer leakage is not acceptable.</li> <li>3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.<br/>However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.</li> <li>4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.</li> <li>5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.</li> <li>6. All valve data sheets shall be confirmed by vendor.</li> <li>7. All valve shall have a fire-safe design.</li> <li>8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"</li> <li>9. Valves shall meet requirements of NACE MR0175/ISO 15156.</li> <li>10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.</li> <li>11. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.</li> </ol> |  |           |            |         |   |          |   |      |                      |

|  |  |           |            |         |  |          |   |      |                      |
|--|--|-----------|------------|---------|--|----------|---|------|----------------------|
|   | <p>نگهداشت و افزایش تولید میدان نفتی بینک<br/>سطح الارض</p> <p>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> |           |            |         |  |          |   |      |                      |
| شماره پیمان:   | DATA SHEETS FOR MANUAL VALVES  |           |            |         |  |          |   |      | شماره صفحه: ۳۸ از ۶۳ |
| ۰۵۳ - ۰۷۳ - ۹۱۸۴   | پروژه  | بسته کاری | صادر کننده | تسهیلات | رشته   | نوع مدرک | سریال   | نسخه |                      |
|  | BK   | GCS       | PEDCO      | 120     | PI   | DT       | 0002  | D01  |                      |
| TAG NO: MV-GLB-C01S-GO   |  |           |            |         |  |          |   |      |                      |
| GENERAL DATA   |  |           |            |         |  |          |   |      |                      |
| Type of Valve:<br>Pattern:<br>Valve Size Range:<br>Piping Class & C.A:   |  |           |            |         | Globe<br>OS&Y, SWIVEL PLUG DISC, Gear.OP<br>8 ~ 24 inch<br>AS00 & C.A: 0   |          |   |      |                      |
| CODE & STANDARD  |  |           |            |         |  |          |   |      |                      |
| Design Code:<br>Face to Face Dimensional:<br>Fire Testing:<br>Pressure Testing:  |  |           |            |         | BS 1873<br>ASME B16.10<br>API 6FA<br>As per API 598  |          |   |      |                      |
| DESIGN DATA  |  |           |            |         |  |          |   |      |                      |
| Pressure Rating:<br>Design Pressure:<br>Design Temperature:<br>Body Construction:<br>Trim Construction:<br>End Connection:<br>Finishing:   |  |           |            |         | 150#<br>18<br>85<br>Casting<br>Casting<br>FLGD (In acc. with ASME B16.5)<br>NA   |          |   |      |                      |
| MATERIAL   |  |           |            |         |  |          |   |      |                      |
| Body/Bonnet<br>Ball/Disc/Plug:<br>Cover/Bonnet:<br>Stem:<br>Disc Seat:<br>Body Seat:<br>Packing:<br>Gland:<br>Bolt & Nut:<br>Bonnet Gasket:  |  |           |            |         | ASTM A351 CF3M<br>18-8 Cr-Ni (Trim No. 10)<br>BB<br>18-8 Cr-Ni<br>18-8 Cr-Ni<br>VTA<br>STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING<br>VTA<br>ASTM A193 Gr.B8M/ASTM A194 Gr.8M<br>VTA |          |   |      |                      |
| <p><b>General Note:</b></p> <ol style="list-style-type: none"> <li>1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.</li> <li>2. Inner or outer leakage is not acceptable.</li> <li>3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.<br/>However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.</li> <li>4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.</li> <li>5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.</li> <li>6. All valve data sheets shall be confirmed by vendor.</li> <li>7. All valve shall have a fire-safe design.</li> <li>8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"</li> <li>9. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.</li> </ol> |  |           |            |         |  |          |   |      |                      |



نگهداشت و افزایش تولید میدان نفتی بینک  
سطح الارض

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک



شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

DATA SHEETS FOR MANUAL VALVES

| پروژه | بسته کاری | صادر کننده | تسهیلات | رشته | نوع مدرک | سریال | نسخه |
|-------|-----------|------------|---------|------|----------|-------|------|
| BK    | GCS       | PEDCO      | 120     | PI   | DT       | 0002  | D01  |

شماره صفحه: ۳۹ از ۶۳

TAG NO: MV-GLB-C03-HO

GENERAL DATA

|                     |                                |
|---------------------|--------------------------------|
| Type of Valve:      | Globe                          |
| Pattern:            | OS&Y, SWIVEL PLUG DISC, H.W.OP |
| Valve Size Range:   | 2 ~ 6 inch                     |
| Piping Class & C.A: | CN05 & CN07 & C.A: 6           |

CODE & STANDARD

|                           |                |
|---------------------------|----------------|
| Design Code:              | BS 1873        |
| Face to Face Dimensional: | ASME B16.10    |
| Fire Testing:             | API 6FA        |
| Pressure Testing:         | As per API 598 |

DESIGN DATA



|                     |                                |
|---------------------|--------------------------------|
| Pressure Rating:    | 300#                           |
| Design Pressure:    | 48                             |
| Design Temperature: | 155                            |
| Body Construction:  | Casting                        |
| Trim Construction:  | Casting                        |
| End Connection:     | FLGD (In acc. with ASME B16.5) |
| Finishing:          | Note 10                        |




MATERIAL




|                 |  |
|-----------------|--|
| Body/Bonnet     | ASTM A216 WCB                              |
| Ball/Disc/Plug: | SS316/STELLITED (Trim No. 12)              |
| Cover/Bonnet:   | BB   |
| Stem:           | SS316/STELLITED                            |
| Disc Seat:      | SS316                                      |
| Body Seat:      | STELLITED                                  |
| Packing:        | STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE |
| Gland:          | + PACKING RING                             |
| Bolt & Nut:     | ASTM A193 Gr.B7M/ASTM A194 Gr.2HM          |
| Bonnet Gasket:  | VTA  |



General Note:



1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
2. Inner or outer leakage is not acceptable.
3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.  
However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.
4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
6. All valve data sheets shall be confirmed by vendor.
7. All valve shall have a fire-safe design.
8. There are "locked opened/closed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
9. Valves shall meet requirements of NACE MR0175/ISO 15156.
10. Valves shall be fully painted at vendor shop as per BK-GNRL-PEDCO-000-PI-SP-0006.
11. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.

|  <p>NISOC</p>   | <p>نگهداشت و افزایش تولید میدان نفتی بینک<br/>سطح الارض</p> <p>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p>   |   |      |         |           |           |       |  |  |      |       |          |      |         |           |           |       |     |      |    |    |     |       |     |    |                      |
|--|--|--|------|---------|-----------|-----------|-------|--|--|------|-------|----------|------|---------|-----------|-----------|-------|-----|------|----|----|-----|-------|-----|----|----------------------|
| شماره پیمان:<br>۰۵۳ - ۰۷۳ - ۹۱۸۴   | <table border="1"> <tr> <th colspan="8">DATA SHEETS FOR MANUAL VALVES</th> </tr> <tr> <th>نسخه</th> <th>سریال</th> <th>نوع مدرک</th> <th>رشته</th> <th>تسهیلات</th> <th>صادرکننده</th> <th>پسته کاری</th> <th>پروژه</th> </tr> <tr> <td>D01</td> <td>0002</td> <td>DT</td> <td>PI</td> <td>120</td> <td>PEDCO</td> <td>GCS</td> <td>BK</td> </tr> </table> | DATA SHEETS FOR MANUAL VALVES  |      |         |           |           |       |  |  | نسخه | سریال | نوع مدرک | رشته | تسهیلات | صادرکننده | پسته کاری | پروژه | D01 | 0002 | DT | PI | 120 | PEDCO | GCS | BK | شماره صفحه: ۴۰ از ۶۳ |
| DATA SHEETS FOR MANUAL VALVES  |  |  |      |         |           |           |       |  |  |      |       |          |      |         |           |           |       |     |      |    |    |     |       |     |    |                      |
| نسخه   | سریال  | نوع مدرک   | رشته | تسهیلات | صادرکننده | پسته کاری | پروژه |  |  |      |       |          |      |         |           |           |       |     |      |    |    |     |       |     |    |                      |
| D01  | 0002   | DT   | PI   | 120     | PEDCO     | GCS       | BK    |  |  |      |       |          |      |         |           |           |       |     |      |    |    |     |       |     |    |                      |
| <b>TAG NO: MV-GLB-C03S-HO</b>  |  |  |      |         |           |           |       |  |  |      |       |          |      |         |           |           |       |     |      |    |    |     |       |     |    |                      |
| <b>GENERAL DATA</b>  |  |  |      |         |           |           |       |  |  |      |       |          |      |         |           |           |       |     |      |    |    |     |       |     |    |                      |
| Type of Valve:<br>Pattern:<br>Valve Size Range:<br>Piping Class & C.A:   |  | Globe<br>OS&Y, SWIVEL PLUG DISC, H.W.OP<br>2 ~ 6 inch<br>CS00 & C.A: 0   |      |         |           |           |       |  |  |      |       |          |      |         |           |           |       |     |      |    |    |     |       |     |    |                      |
| <b>CODE &amp; STANDARD</b>   |  |  |      |         |           |           |       |  |  |      |       |          |      |         |           |           |       |     |      |    |    |     |       |     |    |                      |
| Design Code:<br>Face to Face Dimensional:<br>Fire Testing:<br>Pressure Testing:  |  | BS 1873<br>ASME B16.10<br>API 6FA<br>As per API 598  |      |         |           |           |       |  |  |      |       |          |      |         |           |           |       |     |      |    |    |     |       |     |    |                      |
| <b>DESIGN DATA</b>   |  |  |      |         |           |           |       |  |  |      |       |          |      |         |           |           |       |     |      |    |    |     |       |     |    |                      |
| Pressure Rating:<br>Design Pressure:<br>Design Temperature:<br>Body Construction:<br>Trim Construction:<br>End Connection:<br>Finishing:   |  | 300#<br>48<br>##<br>Casting<br>Casting<br>FLGD (In acc. with ASME B16.5)<br>NA   |      |         |           |           |       |  |  |      |       |          |      |         |           |           |       |     |      |    |    |     |       |     |    |                      |
| <b>MATERIAL</b>  |  |  |      |         |           |           |       |  |  |      |       |          |      |         |           |           |       |     |      |    |    |     |       |     |    |                      |
| Body/Bonnet<br>Ball/Disc/Plug:<br>Cover/Bonnet:<br>Stem:<br>Disc Seat:<br>Body Seat:<br>Packing:<br>Gland:<br>Bolt & Nut:<br>Bonnet Gasket:  |  | ASTM A351 CF3M<br>18-8 Cr-Ni (Trim No. 10)<br>BB<br>18-8 Cr-Ni<br>18-8 Cr-Ni<br>VTA<br>STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING<br>VTA<br>ASTM A193 Gr.B8M/ASTM A194 Gr.8M<br>VTA |      |         |           |           |       |  |  |      |       |          |      |         |           |           |       |     |      |    |    |     |       |     |    |                      |
| <p><b>General Note:</b></p> <ol style="list-style-type: none"> <li>1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.</li> <li>2. Inner or outer leakage is not acceptable.</li> <li>3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.<br/>However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.</li> <li>4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.</li> <li>5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.</li> <li>6. All valve data sheets shall be confirmed by vendor.</li> <li>7. All valve shall have a fire-safe design.</li> <li>8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"</li> <li>9. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.</li> </ol> |  |  |      |         |           |           |       |  |  |      |       |          |      |         |           |           |       |     |      |    |    |     |       |     |    |                      |

|  |  |           |            |         |   |          |       |   |
|--|--|-----------|------------|---------|---|----------|-------|---|
|   | <p>نگهداشت و افزایش تولید میدان نفتی بینک<br/>سطح الارض</p> <p>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> |           |            |         |   |          |       |   |
| شماره پیمان:   | DATA SHEETS FOR MANUAL VALVES  |           |            |         |   |          |       | شماره صفحه: ۶۳ از ۴۱  |
| ۰۵۳ - ۰۷۳ - ۹۱۸۴   | پروژه  | بسته کاری | صادر کننده | تسهیلات | رشته  | نوع مدرک | سریال | نسخه  |
|  | BK   | GCS       | PEDCO      | 120     | PI  | DT       | 0002  | D01   |
| TAG NO: MV-GLB-C03-GO  |  |           |            |         |   |          |       |   |
| GENERAL DATA   |  |           |            |         |   |          |       |   |
| Type of Valve:<br>Pattern:<br>Valve Size Range:<br>Piping Class & C.A:   |  |           |            |         | Globe<br>OS&Y, SWIVEL PLUG DISC, Gear.OP<br>8 ~ 12 inch<br>CN05 & CN07 & C.A: 6   |          |       |   |
| CODE & STANDARD  |  |           |            |         |   |          |       |   |
| Design Code:<br>Face to Face Dimensional:<br>Fire Testing:<br>Pressure Testing:  |  |           |            |         | BS 1873<br>ASME B16.10<br>API 6FA<br>As per API 598   |          |       |   |
| DESIGN DATA  |  |           |            |         |   |          |       |   |
| Pressure Rating:<br>Design Pressure:<br>Design Temperature:<br>Body Construction:<br>Trim Construction:<br>End Connection:<br>Finishing:   |  |           |            |         | 300#<br>48<br>155<br>Casting<br>Casting<br>FLGD<br>Note 10  |          |       |   |
| MATERIAL   |  |           |            |         |   |          |       |   |
| Body/Bonnet<br>Ball/Disc/Plug:<br>Cover/Bonnet:<br>Stem:<br>Disc Seat:<br>Body Seat:<br>Packing:<br>Gland:<br>Bolt & Nut:<br>Bonnet Gasket:  |  |           |            |         | ASTM A216 WCB<br>SS316/STELLITED (Trim No. 12)<br>BB<br>SS316/STELLITED<br>SS316<br>STELLITED<br>STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING<br>VTA<br>ASTM A193 Gr.B7M/ASTM A194 Gr.2HM<br>VTA |          |       |   |
| <p><b>General Note:</b></p> <ol style="list-style-type: none"> <li>1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.</li> <li>2. Inner or outer leakage is not acceptable.</li> <li>3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.<br/>However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.</li> <li>4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.</li> <li>5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.</li> <li>6. All valve data sheets shall be confirmed by vendor.</li> <li>7. All valve shall have a fire-safe design.</li> <li>8. There are "locked opened/closed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"</li> <li>9. Valves shall meet requirements of NACE MR0175/ISO 15156.</li> <li>10. Valves shall be fully painted at vendor shop as per BK-GNRL-PEDCO-000-PI-SP-0006.</li> <li>11. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.</li> </ol> |  |           |            |         |   |          |       |   |

|  |  |               |                  |             |   |             |            |   |
|--|--|---------------|------------------|-------------|---|-------------|------------|---|
|    | <p>نگهداشت و افزایش تولید میدان نفتی بینک<br/>سطح الارض</p> <p>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> |               |                  |             |   |             |            |   |
| شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴  | DATA SHEETS FOR MANUAL VALVES  |               |                  |             |   |             |            | شماره صفحه: ۴۲ از ۶۳  |
|  | پروژه BK   | بسته کاری GCS | صادر کننده PEDCO | تسهیلات 120 | رشته PI   | نوع مدرک DT | سریال 0002 | نسخه D01  |
| TAG NO: MV-GLB-C06-HO  |  |               |                  |             |   |             |            |   |
| GENERAL DATA   |  |               |                  |             |   |             |            |   |
| Type of Valve:<br>Pattern:<br>Valve Size Range:<br>Piping Class & C.A:   |  |               |                  |             | Globe<br>OS&Y, SWIVEL PLUG DISC, H.W.OP<br>2 ~ 4 inch<br>FN05 & FN07 & C.A: 6   |             |            |   |
| CODE & STANDARD  |  |               |                  |             |   |             |            |   |
| Design Code:<br>Face to Face Dimensional:<br>Fire Testing:<br>Pressure Testing:  |  |               |                  |             | BS 1873<br>ASME B16.10<br>API 6FA<br>As per API 598   |             |            |   |
| DESIGN DATA  |  |               |                  |             |   |             |            |   |
| Pressure Rating:<br>Design Pressure:<br>Design Temperature:<br>Body Construction:<br>Trim Construction:<br>End Connection:<br>Finishing:   |  |               |                  |             | 600#<br>90<br>###<br>Casting<br>Casting<br>FLGD (In acc. with ASME B16.5)<br>Note 10  |             |            |   |
| MATERIAL   |  |               |                  |             |   |             |            |   |
| Body/Bonnet<br>Ball/Disc/Plug:<br>Cover/Bonnet:<br>Stem:<br>Disc Seat:<br>Body Seat:<br>Packing:<br>Gland:<br>Bolt & Nut:<br>Bonnet Gasket:  |  |               |                  |             | ASTM A216 WCB<br>SS316/STELLITED (Trim No. 12)<br>BB<br>SS316/STELLITED<br>SS316<br>STELLITED<br>STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING<br>VTA<br>ASTM A193 Gr.B7M/ASTM A194 Gr.2HM<br>VTA |             |            |   |
| <p><b>General Note:</b></p> <ol style="list-style-type: none"> <li>1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.</li> <li>2. Inner or outer leakage is not acceptable.</li> <li>3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.<br/>However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.</li> <li>4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.</li> <li>5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.</li> <li>6. All valve data sheets shall be confirmed by vendor.</li> <li>7. All valve shall have a fire-safe design.</li> <li>8. There are "locked opened/closed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"</li> <li>9. Valves shall meet requirements of NACE MR0175/ISO 15156.</li> <li>10. Valves shall be fully painted at vendor shop as per BK-GNRL-PEDCO-000-PI-SP-0006.</li> <li>11. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.</li> </ol> |  |               |                  |             |   |             |            |   |

|   |  |               |                  |             |  |             |            |   |  |
|---|--|---------------|------------------|-------------|--|-------------|------------|---|--|
|   | <p>نگهداشت و افزایش تولید میدان نفتی بینک<br/>سطح الارض</p> <p>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> |               |                  |             |  |             |            |  |  |
| شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴   | DATA SHEETS FOR MANUAL VALVES  |               |                  |             |  |             |            | شماره صفحه: ۴۳ از ۶۳  |  |
|   | پروژه BK   | بسته کاری GCS | صادر کننده PEDCO | تسهیلات 120 | رشته PI  | نوع مدرک DT | سریال 0002 | نسخه D01  |  |
| TAG NO: MV-GLB-C06S-HO  |  |               |                  |             |  |             |            |   |  |
| GENERAL DATA  |  |               |                  |             |  |             |            |   |  |
| Type of Valve:<br>Pattern:<br>Valve Size Range:<br>Piping Class & C.A:  |  |               |                  |             | Globe<br>OS&Y, SWIVEL PLUG DISC, H.W.OP<br>2 ~ 4 inch<br>FS00 & C.A: 0   |             |            |   |  |
| CODE & STANDARD   |  |               |                  |             |  |             |            |   |  |
| Design Code:<br>Face to Face Dimensional:<br>Fire Testing:<br>Pressure Testing:   |  |               |                  |             | BS 1873<br>ASME B16.10<br>API 6FA<br>As per API 598  |             |            |   |  |
| DESIGN DATA   |  |               |                  |             |  |             |            |   |  |
| Pressure Rating:<br>Design Pressure:<br>Design Temperature:<br>Body Construction:<br>Trim Construction:<br>End Connection:<br>Finishing:  |  |               |                  |             | 600#<br>90<br>###<br>Casting<br>Casting<br>FLGD (In acc. with ASME B16.5)<br>NA  |             |            |   |  |
| MATERIAL  |  |               |                  |             |  |             |            |   |  |
| Body/Bonnet<br>Ball/Disc/Plug:<br>Cover/Bonnet:<br>Stem:<br>Disc Seat:<br>Body Seat:<br>Packing:<br>Gland:<br>Bolt & Nut:<br>Bonnet Gasket:   |  |               |                  |             | ASTM A351 CF3M<br>18-8 Cr-Ni (Trim No. 10)<br>BB<br>18-8 Cr-Ni<br>18-8 Cr-Ni<br>VTA<br>STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING<br>VTA<br>ASTM A193 Gr.B8M/ASTM A194 Gr.8M<br>VTA |             |            |   |  |
| <p><b>General Note:</b></p> <ol style="list-style-type: none"> <li>1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.</li> <li>2. Inner or outer leakage is not acceptable.</li> <li>3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.<br/>However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.</li> <li>4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.</li> <li>5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.</li> <li>6. All valve data sheets shall be confirmed by vendor.</li> <li>7. All valve shall have a fire-safe design.</li> <li>8. There are "locked opened/closed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"</li> <li>9. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.</li> </ol> |  |               |                  |             |  |             |            |   |  |

|   |  |           |            |         |   |          |       |   |
|---|--|-----------|------------|---------|---|----------|-------|---|
|    | <p style="text-align: center;">نگهداشت و افزایش تولید میدان نفتی بینک<br/>سطح الارض</p> <p style="text-align: center;">احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> |           |            |         |   |          |       |  |
| شماره پیمان:<br>۰۵۳ - ۰۷۳ - ۹۱۸۴  | DATA SHEETS FOR MANUAL VALVES  |           |            |         |   |          |       | شماره صفحه: ۴۴ از ۶۳  |
|   | پروژه  | بسته کاری | صادر کننده | تسهیلات | رشته  | نوع مدرک | سریال | نسخه  |
|   | BK   | GCS       | PEDCO      | 120     | PI  | DT       | 0002  | D01   |
| TAG NO: MV-GLB-C06-GO   |  |           |            |         |   |          |       |   |
| GENERAL DATA  |  |           |            |         |   |          |       |   |
| Type of Valve:<br>Pattern:<br>Valve Size Range:<br>Piping Class & C.A:  |  |           |            |         | Globe<br>OS&Y, SWIVEL PLUG DISC, Gear.OP<br>6 ~ 12 inch<br>FN05 & FN07 & C.A: 6   |          |       |   |
| CODE & STANDARD   |  |           |            |         |   |          |       |   |
| Design Code:<br>Face to Face Dimensional:<br>Fire Testing:<br>Pressure Testing:   |  |           |            |         | BS 1873<br>ASME B16.10<br>API 6FA<br>As per API 598   |          |       |   |
| DESIGN DATA   |  |           |            |         |   |          |       |   |
| Pressure Rating:<br>Design Pressure:<br>Design Temperature:<br>Body Construction:<br>Trim Construction:<br>End Connection:<br>Finishing:  |  |           |            |         | 600#<br>90<br>175<br>Casting<br>Casting<br>FLGD (In acc. with ASME B16.5)<br>Note 10  |          |       |   |
| MATERIAL  |  |           |            |         |   |          |       |   |
| Body/Bonnet<br>Ball/Disc/Plug:<br>Cover/Bonnet:<br>Stem:<br>Disc Seat:<br>Body Seat:<br>Packing:<br>Gland:<br>Bolt & Nut:<br>Bonnet Gasket:   |  |           |            |         | ASTM A216 WCB<br>SS316/STELLITED (Trim No. 12)<br>BB<br>SS316/STELLITED<br>SS316<br>STELLITED<br>STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING<br>VTA<br>ASTM A193 Gr.B7M/ASTM A194 Gr.2HM<br>VTA |          |       |   |
| <b>General Note:</b><br>1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.<br>2. Inner or outer leakage is not acceptable.<br>3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.<br>However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.<br>4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.<br>5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.<br>6. All valve data sheets shall be confirmed by vendor.<br>7. All valve shall have a fire-safe design.<br>8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"<br>9. Valves shall meet requirements of NACE MR0175/ISO 15156.<br>10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.<br>11. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs. |  |           |            |         |   |          |       |   |



نگهداشت و افزایش تولید میدان نفتی بینک  
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| شماره پیمان:<br>۰۵۳ - ۰۷۳ - ۹۱۸۴ | DATA SHEETS FOR MANUAL VALVES |           |            |         |      |          |       |      | شماره صفحه: ۴۵ از ۶۳ |
|----------------------------------|-------------------------------|-----------|------------|---------|------|----------|-------|------|----------------------|
|                                  | پروژه                         | بسته کاری | صادر کننده | تسهيلات | رشته | نوع مدرک | سریال | نسخه |                      |
|                                  | BK                            | GCS       | PEDCO      | 120     | PI   | DT       | 0002  | D01  |                      |

TAG NO: MV-GLB-C06S-GO

GENERAL DATA

|                     |                                 |
|---------------------|---------------------------------|
| Type of Valve:      | Globe                           |
| Pattern:            | OS&Y, SWIVEL PLUG DISC, Gear.OP |
| Valve Size Range:   | 6 inch                          |
| Piping Class & C.A: | FS00 & C.A: 0                   |

CODE & STANDARD

|                           |                |
|---------------------------|----------------|
| Design Code:              | BS 1873        |
| Face to Face Dimensional: | ASME B16.10    |
| Fire Testing:             | API 6FA        |
| Pressure Testing:         | As per API 598 |

DESIGN DATA

|                     |                                |
|---------------------|--------------------------------|
| Pressure Rating:    | 600#                           |
| Design Pressure:    | 90                             |
| Design Temperature: | 175                            |
| Body Construction:  | Casting                        |
| Trim Construction:  | Casting                        |
| End Connection:     | FLGD (In acc. with ASME B16.5) |
| Finishing:          | NA                             |

MATERIAL

|                 |   |
|-----------------|---|
| Body/Bonnet     | ASTM A351 CF3M  |
| Ball/Disc/Plug: | 18-8 Cr-Ni (Trim No. 10)                                  |
| Cover/Bonnet:   | BB  |
| Stem:           | 18-8 Cr-Ni  |
| Disc Seat:      | 18-8 Cr-Ni  |
| Body Seat:      | VTA   |
| Packing:        | STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING |
| Gland:          | VTA   |
| Bolt & Nut:     | ASTM A193 Gr.B8M/ASTM A194 Gr.8M                          |
| Bonnet Gasket:  | VTA   |

General Note:

1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
2. Inner or outer leakage is not acceptable.
3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.  
However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.
4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
6. All valve data sheets shall be confirmed by vendor.
7. All valve shall have a fire-safe design.
8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
9. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.



نگهداشت و افزایش تولید میدان نفتی بینک  
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احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک



شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

DATA SHEETS FOR MANUAL VALVES

پروژه

بسته کاری

صادر کننده

تجهیزات

رشته

نوع مدرک

سریال

نسخه

BK

GCS

PEDCO

120

PI

DT

0002

D01

شماره صفحه: ۶۳ از ۴۶

TAG NO: MV-BAL-F08A

GENERAL DATA

Type of Valve:

Ball

Pattern:

Reduced Bore, Floating Ball, Wrench .OP, 2 Pieces

Valve Size Range:

1/2 ~ 1 1/2 inch

Piping Class & C.A:

AN01 & C.A: 1

CODE & STANDARD

Design Code:

BS EN ISO 17292

Face to Face Dimensional:

API 6D

Fire Testing:

API 6FA

Pressure Testing:

API 6D (Preferred)/API 598

DESIGN DATA

Pressure Rating:

800#

Design Pressure:

90

Design Temperature:

85

Body Construction:

Forged

Trim Construction:

Forged (VTC)

End Connection:

SW & SW/FNPT

Finishing:

Note 10

MATERIAL

Body/Bonnet

ASTM A105

Ball/Disc/Plug:

13 % CR

Cover/Bonnet:

BB

Stem:

13 % CR

Disc Seat:

F6/PTFE

Body Seat:

PTFE

Packing:

STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

Gland:

VTA

Bolt & Nut:

ASTM A193 Gr.B7M/ASTM A194 Gr.2HM

Bonnet Gasket:

VTA

General Note:

1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
2. Inner or outer leakage is not acceptable.
3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.  
However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.
4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
6. All valve data sheets shall be confirmed by vendor.
7. All valve shall have a fire-safe design.
8. There are "locked opened/closed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
9. Valves shall meet requirements of NACE MR0175/ISO 15156.
10. Valves shall be fully painted at vendor shop as per BK-GNRL-PEDCO-000-PI-SP-0006.



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شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

DATA SHEETS FOR MANUAL VALVES

| نسخه | سریال | نوع مدرک | رشته | تهیلات | صادر کننده | بسته کاری | پروژه |
|------|-------|----------|------|--------|------------|-----------|-------|
| D01  | 0002  | DT       | PI   | 120    | PEDCO      | GCS       | BK    |

شماره صفحه: ۴۷ از ۶۳

TAG NO: MV-BAL-F08B

GENERAL DATA

|                     |  |
|---------------------|--|
| Type of Valve:      | Ball   |
| Pattern:            | Reduced Bore, Floating Ball, Wrench .OP, 2 Pieces  |
| Valve Size Range:   | 1/2 ~ 1 1/2 inch                                   |
| Piping Class & C.A: | AN04, AN05, AN07, CN05, CN07, FN05 & FN07 & C.A: 6 |

CODE & STANDARD

|                           |                            |
|---------------------------|----------------------------|
| Design Code:              | BS EN ISO 17292            |
| Face to Face Dimensional: | API 6D                     |
| Fire Testing:             | API 6FA                    |
| Pressure Testing:         | API 6D (Preferred)/API 598 |

DESIGN DATA

|                     |              |
|---------------------|--------------|
| Pressure Rating:    | 800#         |
| Design Pressure:    | 90           |
| Design Temperature: | 85           |
| Body Construction:  | Forged       |
| Trim Construction:  | Forged (VTC) |
| End Connection:     | SW & SW/FNPT |
| Finishing:          | Note 10      |

MATERIAL

|                 |   |
|-----------------|---|
| Body/Bonnet     | ASTM A105   |
| Ball/Disc/Plug: | SS316   |
| Cover/Bonnet:   | BB  |
| Stem:           | SS316   |
| Disc Seat:      | 316/PTFE  |
| Body Seat:      | PTFE  |
| Packing:        | STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING |
| Gland:          | VTA   |
| Bolt & Nut:     | ASTM A193 Gr.B7M/ASTM A194 Gr.2HM                         |
| Bonnet Gasket:  | VTA   |

General Note:

1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
2. Inner or outer leakage is not acceptable.
3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.  
However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.
4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
6. All valve data sheets shall be confirmed by vendor.
7. All valve shall have a fire-safe design.
8. There are "locked opened/closed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
9. Valves shall meet requirements of NACE MR0175/ISO 15156.
10. Valves shall be fully painted at vendor shop as per BK-GNRL-PEDCO-000-PI-SP-0006.



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شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

DATA SHEETS FOR MANUAL VALVES

| نسخه | سریال | نوع مدرک | رشته | تسهيلات | صادرکننده | بسته کاری | پروژه |
|------|-------|----------|------|---------|-----------|-----------|-------|
| D01  | 0002  | DT       | PI   | 120     | PEDCO     | GCS       | BK    |

شماره صفحه: ۴۸ از ۶۳

TAG NO: MV-BAL-F08S

GENERAL DATA

|                     |   |
|---------------------|---|
| Type of Valve:      | Ball  |
| Pattern:            | Reduced Bore, Floating Ball, Wrench .OP, 2 Pieces |
| Valve Size Range:   | 1/2 ~ 1 1/2 inch                                  |
| Piping Class & C.A: | AS00, CS00 & FS00 & C.A: 0                        |

CODE & STANDARD

|                           |                            |
|---------------------------|----------------------------|
| Design Code:              | BS EN ISO 17292            |
| Face to Face Dimensional: | API 6D                     |
| Fire Testing:             | API 6FA                    |
| Pressure Testing:         | API 6D (Preferred)/API 598 |

DESIGN DATA



|                     |              |
|---------------------|--------------|
| Pressure Rating:    | 800#         |
| Design Pressure:    | 90           |
| Design Temperature: | 85           |
| Body Construction:  | Forged       |
| Trim Construction:  | Forged (VTC) |
| End Connection:     | SW           |
| Finishing:          | NA           |



MATERIAL



|                 |   |
|-----------------|---|
| Body/Bonnet     | ASTM A182 F316L   |
| Ball/Disc/Plug: | SS316   |
| Cover/Bonnet:   | BB  |
| Stem:           | SS316   |
| Disc Seat:      | 316/PTFE  |
| Body Seat:      | PTFE  |
| Packing:        | STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING |
| Gland:          | VTA   |
| Bolt & Nut:     | ASTM A193 Gr.B8M/ASTM A194 Gr.8M                          |
| Bonnet Gasket:  | VTA   |




General Note:



1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
2. Inner or outer leakage is not acceptable.
3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.  
However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.
4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
6. All valve data sheets shall be confirmed by vendor.
7. All valve shall have a fire-safe design.
8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"

|  |  |           |            |         |      |   |       |   |  |
|--|--|-----------|------------|---------|------|---|-------|---|--|
|  <p>NISOC</p>  | <p>نگهداشت و افزایش تولید میدان نفتی بینک<br/>سطح الارض</p> <p>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> |           |            |         |      |   |       |  |  |
| شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴  | DATA SHEETS FOR MANUAL VALVES  |           |            |         |      |   |       | شماره صفحه: ۴۹ از ۶۳  |  |
|  | پروژه  | بسته کاری | صادر کننده | تسهیلات | رشته | نوع مدرک  | سریال | نسخه  |  |
|  | BK   | GCS       | PEDCO      | 120     | PI   | DT  | 0002  | D01   |  |
| TAG NO: MV-BAL-F08AZ   |  |           |            |         |      |   |       |   |  |
| GENERAL DATA   |  |           |            |         |      |   |       |   |  |
| Type of Valve:   |  |           |            |         |      | Ball  |       |   |  |
| Pattern:   |  |           |            |         |      | Reduced Bore, Floating Ball, Wrench .OP, 2 Pieces         |       |   |  |
| Valve Size Range:  |  |           |            |         |      | 1/2 ~ 1 1/2 inch  |       |   |  |
| Piping Class & C.A:  |  |           |            |         |      | AZ00 & C.A: 0   |       |   |  |
| CODE & STANDARD  |  |           |            |         |      |   |       |   |  |
| Design Code:   |  |           |            |         |      | BS EN ISO 17292   |       |   |  |
| Face to Face Dimensional:  |  |           |            |         |      | API 6D  |       |   |  |
| Fire Testing:  |  |           |            |         |      | API 6FA   |       |   |  |
| Pressure Testing:  |  |           |            |         |      | API 6D (Preferred)/API 598                                |       |   |  |
| DESIGN DATA  |  |           |            |         |      |   |       |   |  |
| Pressure Rating:   |  |           |            |         |      | 800#  |       |   |  |
| Design Pressure:   |  |           |            |         |      | 18  |       |   |  |
| Design Temperature:  |  |           |            |         |      | 85  |       |   |  |
| Body Construction:   |  |           |            |         |      | Forged  |       |   |  |
| End Connection:  |  |           |            |         |      | NPT   |       |   |  |
| Finishing:   |  |           |            |         |      | NA  |       |   |  |
| MATERIAL   |  |           |            |         |      |   |       |   |  |
| Body/Bonnet  |  |           |            |         |      | ASTM B148 UNS C95800                                      |       |   |  |
| Ball/Disc/Plug:  |  |           |            |         |      | ASTM B148 UNS C95800                                      |       |   |  |
| Cover/Bonnet:  |  |           |            |         |      | BB  |       |   |  |
| Stem:  |  |           |            |         |      | ASTM B148 UNS C95800                                      |       |   |  |
| Disc Seat:   |  |           |            |         |      | ASTM B148 UNS C95800                                      |       |   |  |
| Body Seat:   |  |           |            |         |      | PTFE  |       |   |  |
| Packing:   |  |           |            |         |      | STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING |       |   |  |
| Gland:   |  |           |            |         |      | VTA   |       |   |  |
| Bolt & Nut:  |  |           |            |         |      | ASTM A193 Gr.B8M/ASTM A194 Gr.8M                          |       |   |  |
| Bonnet Gasket:   |  |           |            |         |      | VTA   |       |   |  |
| <b>General Note:</b><br>1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.<br>2. Inner or outer leakage is not acceptable.<br>3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.<br>However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.<br>4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.<br>5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.<br>6. All valve data sheets shall be confirmed by vendor.<br>7. All valve shall have a fire-safe design.<br>8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve" |  |           |            |         |      |   |       |   |  |



|  |  |           |            |         |  |          |       |   |
|--|--|-----------|------------|---------|--|----------|-------|---|
|    | <p style="text-align: center;">نگهداشت و افزایش تولید میدان نفتی بینک<br/>سطح الارض</p> <p style="text-align: center;">احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> |           |            |         |  |          |       |  |
| شماره پیمان:<br>۰۵۳ - ۰۷۳ - ۹۱۸۴   | DATA SHEETS FOR MANUAL VALVES  |           |            |         |  |          |       | شماره صفحه: ۵۰ از ۶۳  |
|  | پروژه  | بسته کاری | صادر کننده | تسهیلات | رشته   | نوع مدرک | سریال | نسخه  |
|  | BK   | GCS       | PEDCO      | 120     | PI   | DT       | 0002  | D01   |
| TAG NO: MV-BAL-C01A-HO   |  |           |            |         |  |          |       |   |
| GENERAL DATA   |  |           |            |         |  |          |       |   |
| Type of Valve:<br>Pattern:<br>Valve Size Range:<br>Piping Class & C.A:   |  |           |            |         | Ball<br>Full Bore, Split Body, Floating Ball, Wrench .OP, 2 Pieces<br>2 ~ 6 inch<br>AN01 & C.A: 1  |          |       |   |
| CODE & STANDARD  |  |           |            |         |  |          |       |   |
| Design Code:<br>Face to Face Dimensional:<br>Fire Testing:<br>Pressure Testing:  |  |           |            |         | API 6D/ASME B16.34<br>API 6D<br>API 6FA<br>API 6D (Preferred)/API 598  |          |       |   |
| DESIGN DATA  |  |           |            |         |  |          |       |   |
| Pressure Rating:<br>Design Pressure:<br>Design Temperature:<br>Body Construction:<br>Trim Construction:<br>End Connection:<br>Finishing:   |  |           |            |         | 150#<br>18<br>85<br>Casting<br>Casting<br>FLGD (In acc. with ASME B16.5)<br>Note 10  |          |       |   |
| MATERIAL   |  |           |            |         |  |          |       |   |
| Body/Bonnet<br>Ball/Disc/Plug:<br>Cover/Bonnet:<br>Stem:<br>Disc Seat:<br>Body Seat:<br>Packing:<br>Gland:<br>Bolt & Nut:<br>Bonnet Gasket:  |  |           |            |         | ASTM A216 WCB<br>13 % CR<br>BB<br>13 % CR<br>F6/PTFE<br>PTFE<br>STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING<br>VTA<br>ASTM A193 Gr.B7M/ASTM A194 Gr.2HM<br>VTA |          |       |   |
| <b>General Note:</b><br>1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.<br>2. Inner or outer leakage is not acceptable.<br>3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.<br>However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.<br>4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.<br>5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.<br>6. All valve data sheets shall be confirmed by vendor.<br>7. All valve shall have a fire-safe design.<br>8. There are "locked opened/closed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"<br>9. Valves shall meet requirements of NACE MR0175/ISO 15156.<br>10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.<br>11. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs. |  |           |            |         |  |          |       |   |




|  |  |           |            |         |   |          |       |   |
|--|--|-----------|------------|---------|---|----------|-------|---|
|    | <p style="text-align: center;">نگهداشت و افزایش تولید میدان نفتی بینک<br/>سطح الارض</p> <p style="text-align: center;">احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> |           |            |         |   |          |       |  |
| شماره پیمان:<br>۰۵۳ - ۰۷۳ - ۹۱۸۴   | DATA SHEETS FOR MANUAL VALVES  |           |            |         |   |          |       | شماره صفحه: ۵۱ از ۶۳  |
|  | پروژه  | بسته کاری | صادر کننده | تسهیلات | رشته  | نوع مدرک | سریال | نسخه  |
|  | BK   | GCS       | PEDCO      | 120     | PI  | DT       | 0002  | D01   |
| TAG NO: MV-BAL-C01B-HO   |  |           |            |         |   |          |       |   |
| GENERAL DATA   |  |           |            |         |   |          |       |   |
| Type of Valve:<br>Pattern:<br>Valve Size Range:<br>Piping Class & C.A:   |  |           |            |         | Ball<br>Full Bore, Split Body, Floating Ball, Wrench .OP, 2 Pieces<br>2 ~ 6 inch<br>AN04, AN05 & AN07 & C.A: 6  |          |       |   |
| CODE & STANDARD  |  |           |            |         |   |          |       |   |
| Design Code:<br>Face to Face Dimensional:<br>Fire Testing:<br>Pressure Testing:  |  |           |            |         | API 6D/ASME B16.34<br>API 6D<br>API 6FA<br>API 6D (Preferred)/API 598   |          |       |   |
| DESIGN DATA  |  |           |            |         |   |          |       |   |
| Pressure Rating:<br>Design Pressure:<br>Design Temperature:<br>Body Construction:<br>Trim Construction:<br>End Connection:<br>Finishing:   |  |           |            |         | 150#<br>18<br>85<br>Casting<br>Casting<br>FLGD (In acc. with ASME B16.5)<br>Note 10   |          |       |   |
| MATERIAL   |  |           |            |         |   |          |       |   |
| Body/Bonnet<br>Ball/Disc/Plug:<br>Cover/Bonnet:<br>Stem:<br>Disc Seat:<br>Body Seat:<br>Packing:<br>Gland:<br>Bolt & Nut:<br>Bonnet Gasket:  |  |           |            |         | ASTM A216 WCB<br>SS316<br>BB<br>SS316<br>316/PTFE<br>PTFE<br>STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING<br>VTA<br>ASTM A193 Gr.B7M/ASTM A194 Gr.2HM<br>VTA |          |       |   |
| <b>General Note:</b><br>1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.<br>2. Inner or outer leakage is not acceptable.<br>3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.<br>However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.<br>4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.<br>5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.<br>6. All valve data sheets shall be confirmed by vendor.<br>7. All valve shall have a fire-safe design.<br>8. There are "locked opened/closed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"<br>9. Valves shall meet requirements of NACE MR0175/ISO 15156.<br>10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.<br>11. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs. |  |           |            |         |   |          |       |   |




|  |  |           |            |         |   |          |       |   |
|--|--|-----------|------------|---------|---|----------|-------|---|
|    | <p style="text-align: center;">نگهداشت و افزایش تولید میدان نفتی بینک<br/>سطح الارض</p> <p style="text-align: center;">احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> |           |            |         |   |          |       |   |
| شماره پیمان:<br>۰۵۳ - ۰۷۳ - ۹۱۸۴   | DATA SHEETS FOR MANUAL VALVES  |           |            |         |   |          |       | شماره صفحه: ۵۲ از ۶۳  |
|  | پروژه  | بسته کاری | صادر کننده | تسهیلات | رشته  | نوع مدرک | سریال | نسخه  |
|  | BK   | GCS       | PEDCO      | 120     | PI  | DT       | 0002  | D01   |
| TAG NO: MV-BAL-C01S-HO   |  |           |            |         |   |          |       |   |
| GENERAL DATA   |  |           |            |         |   |          |       |   |
| Type of Valve:<br>Pattern:<br>Valve Size Range:<br>Piping Class & C.A:   |  |           |            |         | Ball<br>Full Bore, Split Body, Floating Ball, Wrench .OP, 2 Pieces<br>2 ~ 6 inch<br>AS00 & C.A: 0   |          |       |   |
| CODE & STANDARD  |  |           |            |         |   |          |       |   |
| Design Code:<br>Face to Face Dimensional:<br>Fire Testing:<br>Pressure Testing:  |  |           |            |         | API 6D/ASME B16.34<br>API 6D<br>API 6FA<br>API 6D (Preferred)/API 598   |          |       |   |
| DESIGN DATA  |  |           |            |         |   |          |       |   |
| Pressure Rating:<br>Design Pressure:<br>Design Temperature:<br>Body Construction:<br>Trim Construction:<br>End Connection:<br>Finishing:   |  |           |            |         | 150#<br>18<br>85<br>Casting<br>Casting<br>FLGD (In acc. with ASME B16.5)<br>NA  |          |       |   |
| MATERIAL   |  |           |            |         |   |          |       |   |
| Body/Bonnet<br>Ball/Disc/Plug:<br>Cover/Bonnet:<br>Stem:<br>Disc Seat:<br>Body Seat:<br>Packing:<br>Gland:<br>Bolt & Nut:<br>Bonnet Gasket:  |  |           |            |         | ASTM A351 CF3M<br>SS316<br>BB<br>SS316<br>316/PTFE<br>PTFE<br>STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING<br>VTA<br>ASTM A193 Gr.B8M/ASTM A194 Gr.8M<br>VTA |          |       |   |
| <b>General Note:</b><br>1.Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.<br>2.Inner or outer leakage is not acceptable.<br>3.There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.<br>However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.<br>4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.<br>5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.<br>6. All valve data sheets shall be confirmed by vendor.<br>7.All valve shall have a fire-safe design.<br>8. There are "locked opened/closed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"<br>9. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs. |  |           |            |         |   |          |       |   |



|   |  |           |            |         |   |          |   |      |                      |
|---|--|-----------|------------|---------|---|----------|---|------|----------------------|
|    | <p>نگهداشت و افزایش تولید میدان نفتی بینک<br/>سطح الارض</p> <p>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> |           |            |         |   |          |  |      |                      |
| شماره پیمان:  | DATA SHEETS FOR MANUAL VALVES  |           |            |         |   |          |   |      | شماره صفحه: ۵۳ از ۶۳ |
| ۰۵۳ - ۰۷۳ - ۹۱۸۴  | پروژه  | بسته کاری | صادر کننده | تسهیلات | رشته  | نوع مدرک | سریال   | نسخه |                      |
|   | BK   | GCS       | PEDCO      | 120     | PI  | DT       | 0002  | D01  |                      |
| TAG NO: MV-BAL-C01-GO   |  |           |            |         |   |          |   |      |                      |
| GENERAL DATA  |  |           |            |         |   |          |   |      |                      |
| Type of Valve:<br>Pattern:<br>Valve Size Range:<br>Piping Class & C.A:  |  |           |            |         | Ball<br>Full Bore, Split Body, Trunnion Mounted, Gear .OP<br>8 ~ 10 inch → 2 Piecess<br>12 ~ 16 inch → 3 Piecess<br>AN04, AN05 & AN07 & C.A: 6                                  |          |   |      |                      |
| CODE & STANDARD   |  |           |            |         |   |          |   |      |                      |
| Design Code:<br>Face to Face Dimensional:<br>Fire Testing:<br>Pressure Testing:   |  |           |            |         | API 6D/ASME B16.34<br>API 6D<br>API 6FA<br>API 6D (Preferred)/API 598   |          |   |      |                      |
| DESIGN DATA   |  |           |            |         |   |          |   |      |                      |
| Pressure Rating:<br>Design Pressure:<br>Design Temperature:<br>Body Construction:<br>Trim Construction:<br>End Connection:<br>Finishing:  |  |           |            |         | 150#<br>18<br>85<br>Casting<br>Casting<br>FLGD (In acc. with ASME B16.5)<br>Note 10   |          |   |      |                      |
| MATERIAL  |  |           |            |         |   |          |   |      |                      |
| Body/Bonnet<br>Ball/Disc/Plug:<br>Cover/Bonnet:<br>Stem:<br>Disc Seat:<br>Body Seat:<br>Packing:<br>Gland:<br>Bolt & Nut:<br>Bonnet Gasket:   |  |           |            |         | ASTM A216 WCB<br>13 % CR<br>BB<br>13 % CR<br>F6/PTFE<br>PTFE<br>STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE<br>+ PACKING RING<br>VTA<br>ASTM A193 Gr.B7M/ASTM A194 Gr.2HM<br>VTA |          |   |      |                      |
| <p><b>General Note:</b></p> <ol style="list-style-type: none"> <li>1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.</li> <li>2. Inner or outer leakage is not acceptable.</li> <li>3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.<br/>However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.</li> <li>4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.</li> <li>5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.</li> <li>6. All valve data sheets shall be confirmed by vendor.</li> <li>7. All valve shall have a fire-safe design.</li> <li>8. There are "locked opened/closed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"</li> <li>9. Valves shall meet requirements of NACE MR0175/ISO 15156.</li> <li>10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.</li> </ol> |  |           |            |         |   |          |   |      |                      |




11. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.



|  |  |           |            |         |   |          |   |      |                      |
|--|--|-----------|------------|---------|---|----------|---|------|----------------------|
|   | <p>نگهداشت و افزایش تولید میدان نفتی بینک<br/>سطح الارض</p> <p>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> |           |            |         |   |          |  |      |                      |
| شماره پیمان:   | DATA SHEETS FOR MANUAL VALVES  |           |            |         |   |          |   |      | شماره صفحه: ۵۴ از ۶۳ |
| ۰۵۳ - ۰۷۳ - ۹۱۸۴   | پروژه  | بسته کاری | صادر کننده | تسهیلات | رشته  | نوع مدرک | سریال   | نسخه |                      |
|  | BK   | GCS       | PEDCO      | 120     | PI  | DT       | 0002  | D01  |                      |
| TAG NO: MV-BAL-C01S-GO   |  |           |            |         |   |          |   |      |                      |
| GENERAL DATA   |  |           |            |         |   |          |   |      |                      |
| Type of Valve:<br>Pattern:<br>Valve Size Range:<br>Piping Class & C.A:   |  |           |            |         | Ball<br>Full Bore, Split Body, Trunnion Mounted, Gear .OP<br>8 ~ 10 inch → 2 Piecess<br>12 ~ 16 inch → 3 Piecess<br>AS00 & C.A: 0   |          |   |      |                      |
| CODE & STANDARD  |  |           |            |         |   |          |   |      |                      |
| Design Code:<br>Face to Face Dimensional:<br>Fire Testing:<br>Pressure Testing:  |  |           |            |         | API 6D/ASME B16.34<br>API 6D<br>API 6FA<br>API 6D (Preferred)/API 598   |          |   |      |                      |
| DESIGN DATA  |  |           |            |         |   |          |   |      |                      |
| Pressure Rating:<br>Design Pressure:<br>Design Temperature:<br>Body Construction:<br>Trim Construction:<br>End Connection:<br>Finishing:   |  |           |            |         | 150#<br>18<br>85<br>Casting<br>Casting<br>FLGD (In acc. with ASME B16.5)<br>NA  |          |   |      |                      |
| MATERIAL   |  |           |            |         |   |          |   |      |                      |
| Body/Bonnet<br>Ball/Disc/Plug:<br>Cover/Bonnet:<br>Stem:<br>Disc Seat:<br>Body Seat:<br>Packing:<br>Gland:<br>Bolt & Nut:<br>Bonnet Gasket:  |  |           |            |         | ASTM A351 CF3M<br>SS316<br>BB<br>SS316<br>316/PTFE<br>PTFE<br>STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING<br>VTA<br>ASTM A193 Gr.B8M/ASTM A194 Gr.8M<br>VTA |          |   |      |                      |
| <p><b>General Note:</b></p> <ol style="list-style-type: none"> <li>1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.</li> <li>2. Inner or outer leakage is not acceptable.</li> <li>3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.<br/>However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.</li> <li>4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.</li> <li>5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.</li> <li>6. All valve data sheets shall be confirmed by vendor.</li> <li>7. All valve shall have a fire-safe design.</li> <li>8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"</li> <li>9. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.</li> </ol> |  |           |            |         |   |          |   |      |                      |



|  |  |           |            |         |   |          |       |   |
|--|--|-----------|------------|---------|---|----------|-------|---|
|  <p>NISOC</p>   | <p>نگهداشت و افزایش تولید میدان نفتی بینک<br/>سطح الارض</p> <p>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> |           |            |         |   |          |       |   |
| شماره پیمان:<br>۰۵۳ - ۰۷۳ - ۹۱۸۴   | DATA SHEETS FOR MANUAL VALVES  |           |            |         |   |          |       | شماره صفحه: ۵۵ از ۶۳  |
|  | پروژه  | بسته کاری | صادر کننده | تسهیلات | رشته  | نوع مدرک | سریال | نسخه  |
|  | BK   | GCS       | PEDCO      | 120     | PI  | DT       | 0002  | D01   |
| TAG NO: MV-BAL-C03-HO  |  |           |            |         |   |          |       |   |
| GENERAL DATA   |  |           |            |         |   |          |       |   |
| Type of Valve:<br>Pattern:<br>Valve Size Range:<br>Piping Class & C.A:   |  |           |            |         | Ball<br>Full Bore, Split Body, Floating Ball, Wrench .OP, 2 Piecess<br>2 ~ 4 inch<br>CN05 & CN07 & C.A: 6   |          |       |   |
| CODE & STANDARD  |  |           |            |         |   |          |       |   |
| Design Code:<br>Face to Face Dimensional:<br>Fire Testing:<br>Pressure Testing:  |  |           |            |         | API 6D/ASME B16.34<br>API 6D<br>API 6FA<br>API 6D (Preferred)/API 598   |          |       |   |
| DESIGN DATA  |  |           |            |         |   |          |       |   |
| Pressure Rating:<br>Design Pressure:<br>Design Temperature:<br>Body Construction:<br>Trim Construction:<br>End Connection:<br>Finishing:   |  |           |            |         | 300#<br>48<br>155<br>Casting<br>Casting<br>FLGD (In acc. with ASME B16.5)<br>Note 10  |          |       |   |
| MATERIAL   |  |           |            |         |   |          |       |   |
| Body/Bonnet<br>Ball/Disc/Plug:<br>Cover/Bonnet:<br>Stem:<br>Disc Seat:<br>Body Seat:<br>Packing:<br>Gland:<br>Bolt & Nut:<br>Bonnet Gasket:  |  |           |            |         | ASTM A216 WCB<br>SS316<br>BB<br>SS316<br>316/RPTFE<br>RPTFE<br>STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE<br>+ PACKING RING<br>ASTM A193 Gr.B7M/ASTM A194 Gr.2HM<br>VTA |          |       |   |
| <b>General Note:</b> <ol style="list-style-type: none"> <li>1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.</li> <li>2. Inner or outer leakage is not acceptable.</li> <li>3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.<br/>However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.</li> <li>4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.</li> <li>5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.</li> <li>6. All valve data sheets shall be confirmed by vendor.</li> <li>7. All valve shall have a fire-safe design.</li> <li>8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"</li> <li>9. Valves shall meet requirements of NACE MR0175/ISO 15156.</li> <li>10. Valves shall be fully painted at vendor shop as per BK-GNRL-PEDCO-000-PI-SP-0006.</li> <li>11. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.</li> </ol> |  |           |            |         |   |          |       |   |



|   |  |           |   |         |   |          |       |      |  |
|---|--|-----------|---|---------|---|----------|-------|------|--|
|    | <p>نگهداشت و افزایش تولید میدان نفتی بینک<br/>سطح الارض</p> <p>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> |           |   |         |   |          |       |      |  |
| شماره پیمان:  | DATA SHEETS FOR MANUAL VALVES  |           | شماره صفحه: ۵۶ از ۶۳  |         |   |          |       |      |  |
| ۰۵۳ - ۰۷۳ - ۹۱۸۴  | پروژه  | بسته کاری | صادر کننده  | تسهیلات | رشته  | نوع مدرک | سریال | نسخه |  |
|   | BK   | GCS       | PEDCO   | 120     | PI  | DT       | 0002  | D01  |  |
| TAG NO: MV-BAL-C03W-HO  |  |           |   |         |   |          |       |      |  |
| GENERAL DATA  |  |           |   |         |   |          |       |      |  |
| Type of Valve:<br>Pattern:<br>Valve Size Range:<br>Piping Class & C.A:  |  |           |   |         | Ball<br>Full Bore, Split Body, Trunnion Mounted, Wrench .OP, 2 Pieces<br>6 inch<br>CN05 & CN07 & C.A: 6   |          |       |      |  |
| CODE & STANDARD   |  |           |   |         |   |          |       |      |  |
| Design Code:<br>Face to Face Dimensional:<br>Fire Testing:<br>Pressure Testing:   |  |           |   |         | API 6D/ASME B16.34<br>API 6D<br>API 6FA<br>API 6D (Preferred)/API 598   |          |       |      |  |
| DESIGN DATA   |  |           |   |         |   |          |       |      |  |
| Pressure Rating:<br>Design Pressure:<br>Design Temperature:<br>Body Construction:<br>Trim Construction:<br>End Connection:<br>Finishing:  |  |           |   |         | 300#<br>48<br>155<br>Casting<br>Casting<br>FLGD (In acc. with ASME B16.5)<br>Note 10  |          |       |      |  |
| MATERIAL  |  |           |   |         |   |          |       |      |  |
| Body/Bonnet<br>Ball/Disc/Plug:<br>Cover/Bonnet:<br>Stem:<br>Disc Seat:<br>Body Seat:<br>Packing:<br>Gland:<br>Bolt & Nut:<br>Bonnet Gasket:   |  |           |   |         | ASTM A216 WCB<br>SS316<br>BB<br>SS316<br>316/RPTFE<br>RPTFE<br>STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE<br>+ PACKING RING<br>ASTM A193 Gr.B7M/ASTM A194 Gr.2HM<br>VTA |          |       |      |  |
| <p><b>General Note:</b></p> <ol style="list-style-type: none"> <li>1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.</li> <li>2. Inner or outer leakage is not acceptable.</li> <li>3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.<br/>However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.</li> <li>4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.</li> <li>5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.</li> <li>6. All valve data sheets shall be confirmed by vendor.</li> <li>7. All valve shall have a fire-safe design.</li> <li>8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"</li> <li>9. Valves shall meet requirements of NACE MR0175/ISO 15156.</li> <li>10. Valves shall be fully painted at vendor shop as per BK-GNRL-PEDCO-000-PI-SP-0006.</li> <li>11. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.</li> </ol> |  |           |   |         |   |          |       |      |  |



|   |  |           |   |         |   |          |       |      |
|---|--|-----------|---|---------|---|----------|-------|------|
|    | <p>نگهداشت و افزایش تولید میدان نفتی بینک<br/>سطح الارض</p> <p>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> |           |  |         |   |          |       |      |
| شماره پیمان:  | DATA SHEETS FOR MANUAL VALVES  |           | شماره صفحه: ۵۷ از ۶۳  |         |   |          |       |      |
| ۰۵۳ - ۰۷۳ - ۹۱۸۴  | پروژه  | بسته کاری | صادر کننده  | تسهیلات | رشته  | نوع مدرک | سریال | نسخه |
|   | BK   | GCS       | PEDCO   | 120     | PI  | DT       | 0002  | D01  |
| TAG NO: MV-BAL-C03S-HO  |  |           |   |         |   |          |       |      |
| GENERAL DATA  |  |           |   |         |   |          |       |      |
| Type of Valve:<br>Pattern:<br>Valve Size Range:<br>Piping Class & C.A:  |  |           |   |         | Ball<br>Full Bore, Split Body, Floating Ball, Wrench .OP, 2 Piecess<br>2 ~ 4 inch<br>CS00 & C.A: 0  |          |       |      |
| CODE & STANDARD   |  |           |   |         |   |          |       |      |
| Design Code:<br>Face to Face Dimensional:<br>Fire Testing:<br>Pressure Testing:   |  |           |   |         | API 6D/ASME B16.34<br>API 6D<br>API 6FA<br>API 6D (Preferred)/API 598   |          |       |      |
| DESIGN DATA   |  |           |   |         |   |          |       |      |
| Pressure Rating:<br>Design Pressure:<br>Design Temperature:<br>Body Construction:<br>Trim Construction:<br>End Connection:<br>Finishing:  |  |           |   |         | 300#<br>48<br>155<br>Casting<br>Casting<br>FLGD (In acc. with ASME B16.5)<br>NA   |          |       |      |
| MATERIAL  |  |           |   |         |   |          |       |      |
| Body/Bonnet<br>Ball/Disc/Plug:<br>Cover/Bonnet:<br>Stem:<br>Disc Seat:<br>Body Seat:<br>Packing:<br>Gland:<br>Bolt & Nut:<br>Bonnet Gasket:   |  |           |   |         | ASTM A351 CF3M<br>SS316<br>BB<br>SS316<br>316/RPTFE<br>RPTFE<br>STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE<br>+ PACKING RING<br>ASTM A193 Gr.B8M/ASTM A194 Gr.8M<br>VTA |          |       |      |
| <b>General Note:</b><br>1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.<br>2. Inner or outer leakage is not acceptable.<br>3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.<br>However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.<br>4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.<br>5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.<br>6. All valve data sheets shall be confirmed by vendor.<br>7. All valve shall have a fire-safe design.<br>8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"<br>9. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs. |  |           |   |         |   |          |       |      |



|   |  |           |           |         |      |   |   |      |
|---|--|-----------|-----------|---------|------|---|---|------|
|    | <p>نگهداشت و افزایش تولید میدان نفتی بینک<br/>سطح الارض</p> <p>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> |           |           |         |      |   |   |      |
| شماره پیمان:  | DATA SHEETS FOR MANUAL VALVES  |           |           |         |      |   | شماره صفحه: ۵۸ از ۶۳  |      |
| ۰۵۳ - ۰۷۳ - ۹۱۸۴  | پروژه  | بسته کاری | صادرکننده | تسهیلات | رشته | نوع مدرک  | سریال   | نسخه |
|   | BK   | GCS       | PEDCO     | 120     | PI   | DT  | 0002  | D01  |
| TAG NO: MV-BAL-C03SW-HO   |  |           |           |         |      |   |   |      |
| GENERAL DATA  |  |           |           |         |      |   |   |      |
| Type of Valve:<br>Pattern:<br>Valve Size Range:<br>Piping Class & C.A:  |  |           |           |         |      | Ball<br>Full Bore, Split Body, Trunnion Mounted, Wrench .OP, 2 Pieces<br>6 inch<br>CS00 & C.A: 0  |   |      |
| CODE & STANDARD   |  |           |           |         |      |   |   |      |
| Design Code:<br>Face to Face Dimensional:<br>Fire Testing:<br>Pressure Testing:   |  |           |           |         |      | API 6D/ASME B16.34<br>API 6D<br>API 6FA<br>API 6D (Preferred)/API 598   |   |      |
| DESIGN DATA   |  |           |           |         |      |   |   |      |
| Pressure Rating:<br>Design Pressure:<br>Design Temperature:<br>Body Construction:<br>Trim Construction:<br>End Connection:<br>Finishing:  |  |           |           |         |      | 300#<br>48<br>155<br>Casting<br>Casting<br>FLGD (In acc. with ASME B16.5)<br>NA   |   |      |
| MATERIAL  |  |           |           |         |      |   |   |      |
| Body/Bonnet<br>Ball/Disc/Plug:<br>Cover/Bonnet:<br>Stem:<br>Disc Seat:<br>Body Seat:<br>Packing:<br>Gland:<br>Bolt & Nut:<br>Bonnet Gasket:   |  |           |           |         |      | ASTM A351 CF3M<br>SS316<br>BB<br>SS316<br>316/RPTFE<br>RPTFE<br>STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE<br>+ PACKING RING<br>ASTM A193 Gr.B8M/ASTM A194 Gr.8M<br>VTA |   |      |
| <p><b>General Note:</b></p> <ol style="list-style-type: none"> <li>1.Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.</li> <li>2.Inner or outer leakage is not acceptable.</li> <li>3.There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.<br/>However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.</li> <li>4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.</li> <li>5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.</li> <li>6. All valve data sheets shall be confirmed by vendor.</li> <li>7.All valve shall have a fire-safe design.</li> <li>8. There are "locked opened/closed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"</li> <li>9. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.</li> </ol> |  |           |           |         |      |   |   |      |

|  |  |               |                  |             |   |             |            |   |  |
|--|--|---------------|------------------|-------------|---|-------------|------------|---|--|
|    | <p>نگهداشت و افزایش تولید میدان نفتی بینک<br/>سطح الارض</p> <p>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> |               |                  |             |   |             |            |  |  |
| شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴  | DATA SHEETS FOR MANUAL VALVES  |               |                  |             |   |             |            | شماره صفحه: ۵۹ از ۶۳  |  |
|  | پروژه BK   | بسته کاری GCS | صادر کننده PEDCO | تسهیلات 120 | رشته PI   | نوع مدرک DT | سریال 0002 | نسخه D01  |  |
| TAG NO: MV-BAL-C06-HO  |  |               |                  |             |   |             |            |   |  |
| GENERAL DATA   |  |               |                  |             |   |             |            |   |  |
| Type of Valve:<br>Pattern:<br>Valve Size Range:<br>Piping Class & C.A:   |  |               |                  |             | Ball<br>Full Bore, Split Body, Trunnion Mounted, Wrench .OP, 3 Pieces<br>2 ~ 4 inch<br>FN05 & FN07 & C.A: 6   |             |            |   |  |
| CODE & STANDARD  |  |               |                  |             |   |             |            |   |  |
| Design Code:<br>Face to Face Dimensional:<br>Fire Testing:<br>Pressure Testing:  |  |               |                  |             | API 6D/ASME B16.34<br>API 6D<br>API 6FA<br>API 6D (Preferred)/API 598   |             |            |   |  |
| DESIGN DATA  |  |               |                  |             |   |             |            |   |  |
| Pressure Rating:<br>Design Pressure:<br>Design Temperature:<br>Body Construction:<br>Trim Construction:<br>End Connection:<br>Finishing:   |  |               |                  |             | 600#<br>90<br>###<br>Casting<br>Casting<br>FLGD (In acc. with ASME B16.5)<br>Note 10  |             |            |   |  |
| MATERIAL   |  |               |                  |             |   |             |            |   |  |
| Body/Bonnet<br>Ball/Disc/Plug:<br>Cover/Bonnet:<br>Stem:<br>Disc Seat:<br>Body Seat:<br>Packing:<br>Gland:<br>Bolt & Nut:<br>Bonnet Gasket:  |  |               |                  |             | ASTM A216 WCB<br>SS316<br>BB<br>SS316<br>316/RPTFE<br>RPTFE<br>STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE<br>+ PACKING RING<br>ASTM A193 Gr.B7M/ASTM A194 Gr.2HM<br>VTA |             |            |   |  |
| <p><b>General Note:</b></p> <ol style="list-style-type: none"> <li>1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.</li> <li>2. Inner or outer leakage is not acceptable.</li> <li>3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.<br/>However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.</li> <li>4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.</li> <li>5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.</li> <li>6. All valve data sheets shall be confirmed by vendor.</li> <li>7. All valve shall have a fire-safe design.</li> <li>8. There are "locked opened/closed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"</li> <li>9. Valves shall meet requirements of NACE MR0175/ISO 15156.</li> <li>10. Valves shall be fully painted at vendor shop as per BK-GNRL-PEDCO-000-PI-SP-0006.</li> <li>11. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.</li> </ol> |  |               |                  |             |   |             |            |   |  |

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|   | <p>نگهداشت و افزایش تولید میدان نفتی بینک<br/>سطح الارض</p> <p>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> |           |            |         |   |          |       |  |  |
| شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴   | DATA SHEETS FOR MANUAL VALVES  |           |            |         |   |          |       | شماره صفحه: ۶۰ از ۶۳  |  |
|   | پروژه  | بسته کاری | صادر کننده | تسهیلات | رشته  | نوع مدرک | سریال | نسخه  |  |
|   | BK   | GCS       | PEDCO      | 120     | PI  | DT       | 0002  | D01   |  |
| TAG NO: MV-BAL-C06-GO   |  |           |            |         |   |          |       |   |  |
| GENERAL DATA  |  |           |            |         |   |          |       |   |  |
| Type of Valve:<br>Pattern:<br>Valve Size Range:<br>Piping Class & C.A:  |  |           |            |         | Ball<br>Full Bore, Split Body, Trunnion Mounted, Gear .OP, 3 Pieces<br>6 ~ 8 inch<br>FN05 & FN07 & C.A: 6   |          |       |   |  |
| CODE & STANDARD   |  |           |            |         |   |          |       |   |  |
| Design Code:<br>Face to Face Dimensional:<br>Fire Testing:<br>Pressure Testing:   |  |           |            |         | API 6D/ASME B16.34<br>API 6D<br>API 6FA<br>API 6D (Preferred)/API 598   |          |       |   |  |
| DESIGN DATA   |  |           |            |         |   |          |       |   |  |
| Pressure Rating:<br>Design Pressure:<br>Design Temperature:<br>Body Construction:<br>Trim Construction:<br>End Connection:<br>Finishing:  |  |           |            |         | 600#<br>90<br>###<br>Casting<br>Casting<br>FLGD (In acc. with ASME B16.5)<br>Note 10  |          |       |   |  |
| MATERIAL  |  |           |            |         |   |          |       |   |  |
| Body/Bonnet<br>Ball/Disc/Plug:<br>Cover/Bonnet:<br>Stem:<br>Disc Seat:<br>Body Seat:<br>Packing:<br>Gland:<br>Bolt & Nut:<br>Bonnet Gasket:   |  |           |            |         | ASTM A216 WCB<br>SS316<br>BB<br>SS316<br>316/RPTFE<br>RPTFE<br>STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE<br>+ PACKING RING<br>ASTM A193 Gr.B7M/ASTM A194 Gr.2HM<br>VTA |          |       |   |  |
| <p><b>General Note:</b></p> <ol style="list-style-type: none"> <li>1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.</li> <li>2. Inner or outer leakage is not acceptable.</li> <li>3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.<br/>However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.</li> <li>4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.</li> <li>5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.</li> <li>6. All valve data sheets shall be confirmed by vendor.</li> <li>7. All valve shall have a fire-safe design.</li> <li>8. There are "locked opened/closed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"</li> <li>9. Valves shall meet requirements of NACE MR0175/ISO 15156.</li> <li>10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.</li> <li>11. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.</li> </ol> |  |           |            |         |   |          |       |   |  |

|   |  |           |            |         |      |   |       |   |  |
|---|--|-----------|------------|---------|------|---|-------|---|--|
|   | <p>نگهداشت و افزایش تولید میدان نفتی بینک<br/>سطح الارض</p> <p>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> |           |            |         |      |   |       |  |  |
| شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴   | DATA SHEETS FOR MANUAL VALVES  |           |            |         |      |   |       | شماره صفحه: ۶۱ از ۶۳  |  |
|   | پروژه  | بسته کاری | صادر کننده | تسهیلات | رشته | نوع مدرک  | سریال | نسخه  |  |
|   | BK   | GCS       | PEDCO      | 120     | PI   | DT  | 0002  | D01   |  |
| TAG NO: MV-BAL-C06S-HO  |  |           |            |         |      |   |       |   |  |
| GENERAL DATA  |  |           |            |         |      |   |       |   |  |
| Type of Valve:<br>Pattern:<br>Valve Size Range:<br>Piping Class & C.A:  |  |           |            |         |      | Ball<br>Full Bore, Split Body, Trunnion Mounted, Wrench .OP, 3 Pieces<br>2 ~ 4 inch<br>FS00 & C.A: 0  |       |   |  |
| CODE & STANDARD   |  |           |            |         |      |   |       |   |  |
| Design Code:<br>Face to Face Dimensional:<br>Fire Testing:<br>Pressure Testing:   |  |           |            |         |      | API 6D/ASME B16.34<br>API 6D<br>API 6FA<br>API 6D (Preferred)/API 598   |       |   |  |
| DESIGN DATA   |  |           |            |         |      |   |       |   |  |
| Pressure Rating:<br>Design Pressure:<br>Design Temperature:<br>Body Construction:<br>Trim Construction:<br>End Connection:<br>Finishing:  |  |           |            |         |      | 600#<br>90<br>###<br>Casting<br>Casting<br>FLGD (In acc. with ASME B16.5)<br>NA   |       |   |  |
| MATERIAL  |  |           |            |         |      |   |       |   |  |
| Body/Bonnet<br>Ball/Disc/Plug:<br>Cover/Bonnet:<br>Stem:<br>Disc Seat:<br>Body Seat:<br>Packing:<br>Gland:<br>Bolt & Nut:<br>Bonnet Gasket:   |  |           |            |         |      | ASTM A351 CF3M<br>SS316<br>BB<br>SS316<br>316/RPTFE<br>RPTFE<br>STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE<br>+ PACKING RING<br>ASTM A193 Gr.B8M/ASTM A194 Gr.8M<br>VTA |       |   |  |
| <p><b>General Note:</b></p> <ol style="list-style-type: none"> <li>1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.</li> <li>2. Inner or outer leakage is not acceptable.</li> <li>3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.<br/>However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.</li> <li>4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.</li> <li>5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.</li> <li>6. All valve data sheets shall be confirmed by vendor.</li> <li>7. All valve shall have a fire-safe design.</li> <li>8. There are "locked opened/closed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"</li> <li>9. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.</li> </ol> |  |           |            |         |      |   |       |   |  |

|   |  |           |            |         |      |   |       |   |  |
|---|--|-----------|------------|---------|------|---|-------|---|--|
|   | <p>نگهداشت و افزایش تولید میدان نفتی بینک<br/>سطح الارض</p> <p>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> |           |            |         |      |   |       |  |  |
| شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴   | DATA SHEETS FOR MANUAL VALVES  |           |            |         |      |   |       | شماره صفحه: ۶۲ از ۶۳  |  |
|   | پروژه  | بسته کاری | صادر کننده | تسهیلات | رشته | نوع مدرک  | سریال | نسخه  |  |
|   | BK   | GCS       | PEDCO      | 120     | PI   | DT  | 0002  | D01   |  |
| TAG NO: MV-BAL-C06S-GO  |  |           |            |         |      |   |       |   |  |
| GENERAL DATA  |  |           |            |         |      |   |       |   |  |
| Type of Valve:<br>Pattern:<br>Valve Size Range:<br>Piping Class & C.A:  |  |           |            |         |      | Ball<br>Full Bore, Split Body, Trunnion Mounted, Gear .OP, 3 Pieces<br>6 ~ 8 inch<br>FS00 & C.A: 0  |       |   |  |
| CODE & STANDARD   |  |           |            |         |      |   |       |   |  |
| Design Code:<br>Face to Face Dimensional:<br>Fire Testing:<br>Pressure Testing:   |  |           |            |         |      | API 6D/ASME B16.34<br>API 6D<br>API 6FA<br>API 6D (Preferred)/API 598   |       |   |  |
| DESIGN DATA   |  |           |            |         |      |   |       |   |  |
| Pressure Rating:<br>Design Pressure:<br>Design Temperature:<br>Body Construction:<br>Trim Construction:<br>End Connection:<br>Finishing:  |  |           |            |         |      | 600#<br>90<br>###<br>Casting<br>Casting<br>FLGD (In acc. with ASME B16.5)<br>NA   |       |   |  |
| MATERIAL  |  |           |            |         |      |   |       |   |  |
| Body/Bonnet<br>Ball/Disc/Plug:<br>Cover/Bonnet:<br>Stem:<br>Disc Seat:<br>Body Seat:<br>Packing:<br>Gland:<br>Bolt & Nut:<br>Bonnet Gasket:   |  |           |            |         |      | ASTM A351 CF3M<br>SS316<br>BB<br>SS316<br>316/RPTFE<br>RPTFE<br>STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE<br>+ PACKING RING<br>ASTM A193 Gr.B8M/ASTM A194 Gr.8M<br>VTA |       |   |  |
| <p><b>General Note:</b></p> <ol style="list-style-type: none"> <li>1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.</li> <li>2. Inner or outer leakage is not acceptable.</li> <li>3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.<br/>However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.</li> <li>4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.</li> <li>5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.</li> <li>6. All valve data sheets shall be confirmed by vendor.</li> <li>7. All valve shall have a fire-safe design.</li> <li>8. There are "locked opened/closed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"</li> <li>9. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.</li> </ol> |  |           |            |         |      |   |       |   |  |

|  |  |               |                  |             |   |             |            |   |  |
|--|--|---------------|------------------|-------------|---|-------------|------------|---|--|
|    | <p>نگهداشت و افزایش تولید میدان نفتی بینک<br/>سطح الارض</p> <p>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> |               |                  |             |   |             |            |  |  |
| شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴  | DATA SHEETS FOR MANUAL VALVES  |               |                  |             |   |             |            | شماره صفحه: ۶۳ از ۶۳  |  |
|  | پروژه BK   | بسته کاری GCS | صادر کننده PEDCO | تسهیلات 120 | رشته PI   | نوع مدرک DT | سریال 0002 | نسخه D01  |  |
| TAG NO: MV-BUT-C01-HO  |  |               |                  |             |   |             |            |   |  |
| GENERAL DATA   |  |               |                  |             |   |             |            |   |  |
| Type of Valve:<br>Pattern:<br>Valve Size Range:<br>Piping Class & C.A:   |  |               |                  |             | Butterfly<br>Lug Type, Center Line Seat, H.W.OP<br>1 ~ 4 inch<br>AX02 & C.A: 0  |             |            |   |  |
| CODE & STANDARD  |  |               |                  |             |   |             |            |   |  |
| Design Code:<br>Face to Face Dimensional:<br>Fire Testing:<br>Pressure Testing:  |  |               |                  |             | API 6D/ASME B16.34<br>API 6D<br>API 6FA<br>API 6D (Preferred)/API 598   |             |            |   |  |
| DESIGN DATA  |  |               |                  |             |   |             |            |   |  |
| Pressure Rating:<br>Design Pressure:<br>Design Temperature:<br>Body Construction:<br>Trim Construction:<br>End Connection:<br>Finishing:   |  |               |                  |             | 150#<br>18.2 BARG<br>85<br>Casting<br>Casting<br>FLGD (In acc. with ASME B16.5), FF<br>NA   |             |            |   |  |
| MATERIAL   |  |               |                  |             |   |             |            |   |  |
| Body/Bonnet<br>Ball/Disc/Plug:<br>Cover/Bonnet:<br>Stem:<br>Disc Seat:<br>Body Seat:<br>Packing:<br>Gland:<br>Bolt & Nut:<br>Bonnet Gasket:  |  |               |                  |             | ASTM B148 UNS C95800<br>ASTM B148 UNS C95800<br>BB<br>SS316<br>ASTM B148 UNS C95800<br>NA<br>STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE<br>+ PACKING RING<br>VTA<br>VTA |             |            |   |  |
| <p><b>General Note:</b></p> <p>1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.</p> <p>2. Inner or outer leakage is not acceptable.</p> <p>3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.<br/>However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.</p> <p>4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.</p> <p>5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.</p> <p>6. All valve data sheets shall be confirmed by vendor.</p> <p>7. All valve shall have a fire-safe design.</p> <p>8. There are "locked opened/closed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"</p> <p>9. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.</p> |  |               |                  |             |   |             |            |   |  |