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|--|---|-----------|-----------|---------|------|----------|-------|--|----------------------|
|  NISOC | نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک | | | | | | |   | |
| | DATA SHEETS FOR MANUAL VALVES | | | | | | | | |
| شماره پیمان: | پروژه | بسته کاری | صادرکننده | تسهیلات | رشته | نوع مدرک | سریال | نسخه | شماره صفحه : ۱ از ۷۰ |
| ۰۵۳ - ۰۷۳ - ۹۱۸۴ | BK | GCS | PEDCO | 120 | PI | DT | 0002 | D03 | |

نگهداشت و افزایش تولید میدان نفتی بینک

DATA SHEETS FOR MANUAL VALVES




نگهداشت و افزایش تولید میدان نفتی بینک

| | | | | | | |
|------|----------|---------------------------|----------------|-------------|----------------|-----------------|
| D03 | FEB.2024 | IFA | M.Noori | M.Fakharian | S.Faramarzpour | |
| D02 | AUG.2023 | IFA | M.Noori | M.Fakharian | A.M.Mohseni | |
| 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

| | | | | | | | | | | |
|--|---|-------------|------------------|---------------------|----------------|------------|---|---------------|-------------|----------------------|
|  NISOC | تجهداشت و افزایش تولید میدان نفتی بینک سطح الارض | | | | | |  شرکت توسعه و پیمان | | | |
| | احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک | | | | | |  | | | |
| شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴ | | پروژه BK | بسته کاری GCS | صادر کننده PEDCO | تسهیلات 120 | رشته PI | نوع مدرک DT | سریال 0002 | نسخه D03 | شماره صفحه : ۲ از ۷۰ |

REVISION RECORD SHEET

| page | D00 | D01 | D02 | D03 | D04 | page | D00 | D01 | D02 | D03 | D04 |
|------|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|
| 1 | x | x | x | x | | 65 | | | x | x | |
| 2 | x | x | x | x | | 66 | | | x | x | |
| 3 | x | x | x | x | | 67 | | | x | | |
| 4 | x | x | x | x | | 68 | | | x | | |
| 5 | x | x | x | x | | 69 | | | x | x | |
| 6 | x | x | x | x | | 70 | | | x | | |
| 7 | x | x | x | x | | 71 | | | | | |
| 8 | x | x | x | x | | 72 | | | | | |
| 9 | x | x | x | x | | 73 | | | | | |
| 10 | x | x | x | x | | 74 | | | | | |
| 11 | x | x | x | x | | 75 | | | | | |
| 12 | x | x | x | x | | 76 | | | | | |
| 13 | x | x | x | x | | 77 | | | | | |
| 14 | x | x | x | x | | 78 | | | | | |
| 15 | x | x | x | x | | 79 | | | | | |
| 16 | x | x | x | x | | 80 | | | | | |
| 17 | x | x | x | x | | 81 | | | | | |
| 18 | x | x | x | x | | 82 | | | | | |
| 19 | x | x | x | x | | 83 | | | | | |
| 20 | x | x | x | x | | 84 | | | | | |
| 21 | x | x | x | x | | 85 | | | | | |
| 22 | x | x | x | x | | 86 | | | | | |
| 23 | x | x | x | x | | 87 | | | | | |
| 24 | x | x | x | x | | 88 | | | | | |
| 25 | x | x | x | x | | 89 | | | | | |
| 26 | x | x | x | x | | 90 | | | | | |
| 27 | x | x | x | x | | 91 | | | | | |
| 28 | x | x | x | x | | 92 | | | | | |
| 29 | x | x | x | x | | 93 | | | | | |
| 30 | x | x | x | x | | 94 | | | | | |
| 31 | x | x | x | x | | 95 | | | | | |
| 32 | x | x | x | x | | 96 | | | | | |
| 33 | x | x | x | x | | 97 | | | | | |
| 34 | x | x | x | x | | 98 | | | | | |
| 35 | x | x | x | x | | 99 | | | | | |
| 36 | x | x | x | x | | 100 | | | | | |
| 37 | x | x | x | x | | 101 | | | | | |
| 38 | x | x | x | x | | 102 | | | | | |
| 39 | x | x | x | x | | 103 | | | | | |
| 40 | x | x | x | x | | 104 | | | | | |
| 41 | x | x | x | x | | 105 | | | | | |
| 42 | x | x | x | x | | 106 | | | | | |
| 43 | x | x | x | x | | 107 | | | | | |
| 44 | x | x | x | x | | 108 | | | | | |
| 45 | x | x | x | x | | 109 | | | | | |
| 46 | x | x | x | x | | 110 | | | | | |
| 47 | x | x | x | x | | 111 | | | | | |
| 48 | x | x | x | x | | 112 | | | | | |
| 49 | x | x | x | x | | 113 | | | | | |
| 50 | x | x | x | x | | 114 | | | | | |
| 51 | x | x | x | x | | 18 | | | | | |
| 52 | x | x | x | x | | 116 | | | | | |
| 53 | x | x | x | x | | 117 | | | | | |
| 54 | x | x | x | x | | 118 | | | | | |
| 55 | x | x | x | x | | 119 | | | | | |
| 56 | x | x | x | x | | 120 | | | | | |
| 57 | x | x | x | x | | 121 | | | | | |
| 58 | x | x | x | x | | 122 | | | | | |
| 59 | x | x | x | x | | 123 | | | | | |
| 60 | x | x | x | x | | 124 | | | | | |
| 61 | x | x | x | x | | 125 | | | | | |
| 62 | x | x | x | x | | 126 | | | | | |
| 63 | | x | x | x | | 127 | | | | | |
| 64 | | x | x | x | | 128 | | | | | |



تکهداشت 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 | تسهیلات | رشته | نوع مدرک | سریال | نسخه |
|-------|-----------|-----------|---------|------|----------|-------|------|
| BK | GCS | PEDCO | 120 | PI | DT | 0002 | D03 |

شماره صفحه: ۷۰ از ۳

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 |
| NACE MR0175/ISO15156 Compliance | No |

CODE & STANDARD

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

DESIGN DATA

| | |
|---------------------|-----------|
| Pressure Rating: | 800# |
| Design Pressure: | 18.2 BARG |
| Design Temperature: | 85 °C |
| Body Construction: | Forged |
| End Connection: | SW |
| Finishing: | NA |

MATERIAL

| | |
|----------------|---------------------------------|
| Body/Cover | ASTM A105 |
| Trim | 13Cr + Stellite 6 (Trim No.8) |
| Cover | BC |
| Stem: | NA |
| Disc Seat: | 13Cr |
| Body Seat: | Stellite 6 |
| Packing: | NA |
| Gland: | NA |
| Bolt & Nut: | ASTM A193 Gr.B7/ASTM A194 Gr.2H |
| 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. Valves shall be fully painted at vendor shop as per BK-GNRAL-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 | تسهیلات | صادرکننده | بسته کاری | پروژه |
|------|-------|----------|------|---------|-----------|-----------|-------|
| D03 | 0002 | DT | PI | 120 | PEDCO | GCS | BK |

شماره صفحه: ۴ از ۷۰

TAG NO: MV-CHK-F08B

GENERAL DATA

| | |
|---------------------------------|--|
| Type of Valve: | Check |
| Pattern: | Piston Lift Type |
| Valve Size Range: | 1/2 ~ 1 1/2 inch |
| Piping Class & C.A.: | AN04, AN05, AN07, CN05, CN07, FN05 & FN07 & C.A: 6 |
| NACE MR0175/ISO15156 Compliance | Yes (Excpet for AN04) |

CODE & STANDARD

| | |
|---------------------------|----------------|
| Design Code: | API 602 |
| 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 BARG |
| Design Temperature: | 175 °C |
| Body Construction: | Forged |
| End Connection: | SW |
| Finishing: | NA |

MATERIAL

| | |
|----------------|--------------------------------------|
| Body/Cover | ASTM A105 |
| Trim | 18Cr-8Ni-Mo/Stellite 6 (Trim No. 12) |
| Cover/Bonnet: | BC |
| Stem: | NA |
| Disc Seat: | 18Cr-8Ni-Mo |
| Body Seat: | Stellite 6 |
| 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. Valves shall be fully painted at vendor shop as per BK-GNRAL-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 | تسهیلات | صادرکننده | بسته کاری | پروژه |
|------|-------|----------|------|---------|-----------|-----------|-------|
| D03 | 0002 | DT | PI | 120 | PEDCO | GCS | BK |

شماره صفحه: ۵ از ۷۰

TAG NO: MV-CHK-F08S

GENERAL DATA

| | |
|---------------------------------|----------------------------|
| Type of Valve: | Check |
| Pattern: | Piston Lift Type |
| Valve Size Range: | 1/2 ~ 1 1/2 inch |
| Piping Class & C.A.: | AS00, CS00 & FS00 & C.A: 0 |
| NACE MR0175/ISO15156 Compliance | Yes |

CODE & STANDARD

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

DESIGN DATA

| | |
|---------------------|-----------|
| Pressure Rating: | 800# |
| Design Pressure: | 62.4 BARG |
| Design Temperature: | 175 °C |
| Body Construction: | Forged |
| End Connection: | SW |
| Finishing: | NA |

MATERIAL

| | |
|----------------|-----------------------------------|
| Body/Cover | ASTM A182 F316L |
| Trim | 18Cr-8Ni-Mo (Trim No. 10) |
| Cover/Bonnet: | BC |
| Stem: | NA |
| Disc Seat: | 18Cr-8Ni-Mo |
| Body Seat: | 18Cr-8Ni-Mo |
| Packing: | NA |
| Gland: | NA |
| Bolt & Nut: | ASTM A193 Gr.8.8M/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. Material for "Process Gas and Close drain" Service of "AS00, CS00 & FS00" Classes shall be in compliance with "NACE MR 0175 / ISO 15156 Std." For "Chemical" service, there is no need for "NACE MR 0175 / ISO 15156 Std." requirements.



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 | تسهیلات | رشته | نوع مدرک | سریال | نسخه |
|-------|-----------|-----------|---------|------|----------|-------|------|
| BK | GCS | PEDCO | 120 | PI | DT | 0002 | D03 |

شماره صفحه: ۶ از ۷۰

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 |
| NACE MR0175/ISO15156 Compliance | No |

CODE & STANDARD

| | |
|---------------------------|----------------|
| Design Code: | MSS SP-80 |
| Face to Face Dimensional: | ASME B16.10 |
| Fire Testing: | API 6FA |
| Pressure Testing: | As per API 598 |

DESIGN DATA

| | |
|---------------------|-----------|
| Pressure Rating: | 800# |
| Design Pressure: | 18.2 BARG |
| Design Temperature: | 85 °C |
| Body Construction: | Forged |
| End Connection: | NPT |
| Finishing: | TRD |

MATERIAL

| | |
|----------------|--|
| Body/Bonnet | ASTM B148 UNS C95800 |
| Trim | 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: | ASTM A193 Gr.B7/ASTM A194 Gr.2H (Galvanized) |
| 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.



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 | تسهیلات | رشته | نوع مدرک | سریال | نسخه |
|-------|-----------|-----------|---------|------|----------|-------|------|
| BK | GCS | PEDCO | 120 | PI | DT | 0002 | D03 |

شماره صفحه: ۷ از ۷۰

TAG NO: MV-CHK-C08BZ

GENERAL DATA

| | |
|---------------------------------|---------------|
| Type of Valve: | Check |
| Pattern: | Swing Type |
| Valve Size Range: | 2~4 inch |
| Piping Class & C.A: | AZ00 & C.A: 0 |
| NACE MR0175/ISO15156 Compliance | No |

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 BARG |
| Design Temperature: | 85 °C |
| Body Construction: | Casting |
| End Connection: | FLGD |
| Finishing: | RF |



MATERIAL



| | |
|----------------|--|
| Body/Bonnet | ASTM B148 UNS C95800 |
| Trim | 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: | ASTM A193 Gr.B7/ASTM A194 Gr.2H (Galvanized) |
| 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.




|  <p>NISOC</p> | <p>نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض</p> <p>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> |  | | | | | | | | | | | | | | | | |
|---|---|---|-----------|-----------|----------|-------|----------|-------|------|----|-----|-------|-----|----|----|------|-----|----------------------------|
| <p>شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴</p> | <p style="text-align: center;">DATA SHEETS FOR MANUAL VALVES</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">پروژه</th> <th style="width: 10%;">بسته کاری</th> <th style="width: 10%;">صادرکننده</th> <th style="width: 10%;">تسهیلات</th> <th style="width: 10%;">رشته</th> <th style="width: 10%;">نوع مدرک</th> <th style="width: 10%;">سریال</th> <th style="width: 10%;">نسخه</th> </tr> </thead> <tbody> <tr> <td>BK</td> <td>GCS</td> <td>PEDCO</td> <td>120</td> <td>PI</td> <td>DT</td> <td>0002</td> <td>D03</td> </tr> </tbody> </table> | پروژه | بسته کاری | صادرکننده | تسهیلات | رشته | نوع مدرک | سریال | نسخه | BK | GCS | PEDCO | 120 | PI | DT | 0002 | D03 | <p>شماره صفحه: ۸ از ۷۰</p> |
| پروژه | بسته کاری | صادرکننده | تسهیلات | رشته | نوع مدرک | سریال | نسخه | | | | | | | | | | | |
| BK | GCS | PEDCO | 120 | PI | DT | 0002 | D03 | | | | | | | | | | | |
| <p>TAG NO: MV-CHK-C01A</p> | | | | | | | | | | | | | | | | | | |
| <p>GENERAL DATA</p> | | | | | | | | | | | | | | | | | | |
| <p>Type of Valve: Pattern: Valve Size Range: Piping Class & C.A: NACE MR0175/ISO15156 Compliance</p> | <p>Check Swing Type 2 ~ 24 inch AN01 & C.A: 1 No</p> | | | | | | | | | | | | | | | | | |
| <p>CODE & STANDARD</p> | | | | | | | | | | | | | | | | | | |
| <p>Design Code: Face to Face Dimensional: Fire Testing: Pressure Testing:</p> | <p>API 594 ASME B16.10 API 6FA As per API 598</p> | | | | | | | | | | | | | | | | | |
| <p>DESIGN DATA</p> | | | | | | | | | | | | | | | | | | |
| <p>Pressure Rating: Design Pressure: Design Temperature: Body Construction: End Connection: Finishing:</p> | <p>150# 18.2 BARG 85 °C Casting FLGD (In acc. with ASME B16.5) RF</p> | | | | | | | | | | | | | | | | | |
| <p>MATERIAL</p> | | | | | | | | | | | | | | | | | | |
| <p>Body/Cover Trim Cover/Bonnet: Stem: Disc Seat: Body Seat: Packing: Gland: Bolt & Nut: Gasket Bonnet:</p> | <p>ASTM A216 WCB 13Cr + Stellite 6 (Trim No.8) BC NA 13Cr Stellite 6 NA NA ASTM A193 Gr.B7/ASTM A194 Gr.2H VTA</p> | | | | | | | | | | | | | | | | | |
| <p>General Note:</p> <ol style="list-style-type: none"> 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. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006. 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 سطح الارض</p> <p>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> |  | | | | | | | | | | | | | | | | |
|---|---|---|-----------|-----------|----------|-------|----------|-------|------|----|-----|-------|-----|----|----|------|-----|----------------------------|
| <p>شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴</p> | <p style="text-align: center;">DATA SHEETS FOR MANUAL VALVES</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">پروژه</th> <th style="width: 10%;">بسته کاری</th> <th style="width: 10%;">صادرکننده</th> <th style="width: 10%;">تسهیلات</th> <th style="width: 10%;">رشته</th> <th style="width: 10%;">نوع مدرک</th> <th style="width: 10%;">سریال</th> <th style="width: 10%;">نسخه</th> </tr> </thead> <tbody> <tr> <td>BK</td> <td>GCS</td> <td>PEDCO</td> <td>120</td> <td>PI</td> <td>DT</td> <td>0002</td> <td>D03</td> </tr> </tbody> </table> | پروژه | بسته کاری | صادرکننده | تسهیلات | رشته | نوع مدرک | سریال | نسخه | BK | GCS | PEDCO | 120 | PI | DT | 0002 | D03 | <p>شماره صفحه: ۹ از ۷۰</p> |
| پروژه | بسته کاری | صادرکننده | تسهیلات | رشته | نوع مدرک | سریال | نسخه | | | | | | | | | | | |
| BK | GCS | PEDCO | 120 | PI | DT | 0002 | D03 | | | | | | | | | | | |
| <p>TAG NO: MV-CHK-C01B</p> | | | | | | | | | | | | | | | | | | |
| <p>GENERAL DATA</p> | | | | | | | | | | | | | | | | | | |
| <p>Type of Valve: Pattern: Valve Size Range: Piping Class & C.A: NACE MR0175/ISO15156 Compliance</p> | <p>Check Swing Type 2 ~ 24 inch AN04, AN05 & AN07 & C.A: 6 Yes (Excpet for AN04)</p> | | | | | | | | | | | | | | | | | |
| <p>CODE & STANDARD</p> | | | | | | | | | | | | | | | | | | |
| <p>Design Code: Face to Face Dimensional: Fire Testing: Pressure Testing:</p> | <p>API 594 ASME B16.10 API 6FA As per API 598</p> | | | | | | | | | | | | | | | | | |
| <p>DESIGN DATA</p> | | | | | | | | | | | | | | | | | | |
| <p>Pressure Rating: Design Pressure: Design Temperature: Body Construction: End Connection: Finishing:</p> | <p>150# 18.2 BARG 85 °C Casting FLGD (In acc. with ASME B16.5) RF</p> | | | | | | | | | | | | | | | | | |
| <p>MATERIAL</p> | | | | | | | | | | | | | | | | | | |
| <p>Body/Cover Trim Cover/Bonnet: Stem: Disc Seat: Body Seat: Packing: Gland: Bolt & Nut: Gasket Bonnet:</p> | <p>ASTM A216 WCB 18Cr-8Ni-Mo/Stellite 6 (Trim No. 12) BC NA 18Cr-8Ni-Mo Stellite 6 NA NA ASTM A193 Gr.B7M/ASTM A194 Gr.2HM VTA</p> | | | | | | | | | | | | | | | | | |
| <p>General Note:</p> <ol style="list-style-type: none"> 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. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006. 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 سطح الارض</p> <p>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> |  | | | | | | | | | | | | | | | | |
|---|---|---|-----------|-----------|----------|-------|----------|-------|------|----|-----|-------|-----|----|----|------|-----|-----------------------------|
| <p>شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴</p> | <p style="text-align: center;">DATA SHEETS FOR MANUAL VALVES</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">پروژه</th> <th style="width: 10%;">بسته کاری</th> <th style="width: 10%;">صادرکننده</th> <th style="width: 10%;">تسهیلات</th> <th style="width: 10%;">رشته</th> <th style="width: 10%;">نوع مدرک</th> <th style="width: 10%;">سریال</th> <th style="width: 10%;">نسخه</th> </tr> </thead> <tbody> <tr> <td>BK</td> <td>GCS</td> <td>PEDCO</td> <td>120</td> <td>PI</td> <td>DT</td> <td>0002</td> <td>D03</td> </tr> </tbody> </table> | پروژه | بسته کاری | صادرکننده | تسهیلات | رشته | نوع مدرک | سریال | نسخه | BK | GCS | PEDCO | 120 | PI | DT | 0002 | D03 | <p>شماره صفحه: ۱۰ از ۲۰</p> |
| پروژه | بسته کاری | صادرکننده | تسهیلات | رشته | نوع مدرک | سریال | نسخه | | | | | | | | | | | |
| BK | GCS | PEDCO | 120 | PI | DT | 0002 | D03 | | | | | | | | | | | |
| <p>TAG NO: MV-CHK-C01S</p> | | | | | | | | | | | | | | | | | | |
| <p>GENERAL DATA</p> | | | | | | | | | | | | | | | | | | |
| <p>Type of Valve: Pattern: Valve Size Range: Piping Class & C.A: NACE MR0175/ISO15156 Compliance</p> | <p>Check Swing Type 2 ~ 24 inch AS00 & C.A: 0 Yes</p> | | | | | | | | | | | | | | | | | |
| <p>CODE & STANDARD</p> | | | | | | | | | | | | | | | | | | |
| <p>Design Code: Face to Face Dimensional: Fire Testing: Pressure Testing:</p> | <p>API 594 ASME B16.10 API 6FA As per API 598</p> | | | | | | | | | | | | | | | | | |
| <p>DESIGN DATA</p> | | | | | | | | | | | | | | | | | | |
| <p>Pressure Rating: Design Pressure: Design Temperature: Body Construction: End Connection: Finishing:</p> | <p>150# 13.9 BARG 85 °C Casting FLGD (In acc. with ASME B16.5) RF</p> | | | | | | | | | | | | | | | | | |
| <p>MATERIAL</p> | | | | | | | | | | | | | | | | | | |
| <p>Body/Cover Trim Cover/Bonnet: Stem: Disc Seat: Body Seat: Packing: Gland: Bolt & Nut: Gasket Bonnet:</p> | <p>ASTM A351 CF3M 18Cr-8Ni-Mo (Trim No. 10) BC NA 18Cr-8Ni-Mo 18Cr-8Ni-Mo NA NA ASTM A193 Gr.8M/ASTM A194 Gr.8M VTA</p> | | | | | | | | | | | | | | | | | |
| <p>General Note:</p> <ol style="list-style-type: none"> 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. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs. 9. Material for "Process Gas and Close drain" Service of "AS00, CS00 & FS00" Classes shall be in compliance with "NACE MR 0175 / ISO 15156 Std." For "Chemical" service, there is no need for "NACE MR 0175 / ISO 15156 Std." requirements. | | | | | | | | | | | | | | | | | | |

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|--|---|---|-------|----------|-----------|-----------|-----------|-----------|-------|-----|------|----|----|-----|-------|-----|----|-----------------------------|
|  <p>NISOC</p> | <p>نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض</p> <p>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> |   | | | | | | | | | | | | | | | | |
| <p>شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴</p> | <p>DATA SHEETS FOR MANUAL VALVES</p> <table border="1"> <tr> <td>نسخه</td> <td>سریال</td> <td>نوع مدرک</td> <td>رشته</td> <td>تسهیلات</td> <td>صادرکننده</td> <td>بسته کاری</td> <td>پروژه</td> </tr> <tr> <td>D03</td> <td>0002</td> <td>DT</td> <td>PI</td> <td>120</td> <td>PEDCO</td> <td>GCS</td> <td>BK</td> </tr> </table> | نسخه | سریال | نوع مدرک | رشته | تسهیلات | صادرکننده | بسته کاری | پروژه | D03 | 0002 | DT | PI | 120 | PEDCO | GCS | BK | <p>شماره صفحه: ۱۱ از ۷۰</p> |
| نسخه | سریال | نوع مدرک | رشته | تسهیلات | صادرکننده | بسته کاری | پروژه | | | | | | | | | | | |
| D03 | 0002 | DT | PI | 120 | PEDCO | GCS | BK | | | | | | | | | | | |
| <p>TAG NO: MV-CHK-C03</p> | | | | | | | | | | | | | | | | | | |
| <p>GENERAL DATA</p> | | | | | | | | | | | | | | | | | | |
| <p>Type of Valve: Pattern: Valve Size Range: Piping Class & C.A: NACE MR0175/ISO15156 Compliance</p> | <p>Check Swing Type 2 ~ 24 inch CN05 & CN07 & C.A: 6 Yes</p> | | | | | | | | | | | | | | | | | |
| <p>CODE & STANDARD</p> | | | | | | | | | | | | | | | | | | |
| <p>Design Code: Face to Face Dimensional: Fire Testing: Pressure Testing:</p> | <p>API 594 ASME B16.10 API 6FA As per API 598</p> | | | | | | | | | | | | | | | | | |
| <p>DESIGN DATA</p> | | | | | | | | | | | | | | | | | | |
| <p>Pressure Rating: Design Pressure: Design Temperature: Body Construction: End Connection: Finishing:</p> | <p>300# 47.7 BARG 155 °C Casting FLGD RF</p> | | | | | | | | | | | | | | | | | |
| <p>MATERIAL</p> | | | | | | | | | | | | | | | | | | |
| <p>Body/Cover Trim Cover/Bonnet: Stem: Disc Seat: Body Seat: Packing: Gland: Bolt & Nut: Gasket Bonnet:</p> | <p>ASTM A216 WCB 18Cr-8Ni-Mo/Stellite 6 (Trim No. 12) BC NA 18Cr-8Ni-Mo Stellite 6 NA NA ASTM A193 Gr.B7M/ASTM A194 Gr.2HM VTA</p> | | | | | | | | | | | | | | | | | |
| <p>General Note:</p> <ol style="list-style-type: none"> 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. Valves shall be fully painted at vendor shop as per BK-GNRL-PEDCO-000-PI-SP-0006. 9. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs. | | | | | | | | | | | | | | | | | | |

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|---|---|---|-----------|-----------|----------|-------|----------|-------|------|----|-----|-------|-----|----|----|------|-----|-----------------------------|
|  <p>NISOC</p> | <p>نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض</p> <p>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> |  | | | | | | | | | | | | | | | | |
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| پروژه | بسته کاری | صادرکننده | تسهیلات | رشته | نوع مدرک | سریال | نسخه | | | | | | | | | | | |
| BK | GCS | PEDCO | 120 | PI | DT | 0002 | D03 | | | | | | | | | | | |
| <p>TAG NO: MV-CHK-C03S</p> | | | | | | | | | | | | | | | | | | |
| <p>GENERAL DATA</p> | | | | | | | | | | | | | | | | | | |
| <p>Type of Valve: Pattern: Valve Size Range: Piping Class & C.A: NACE MR0175/ISO15156 Compliance</p> | <p>Check Swing Type 2 ~ 24 inch CS00 & C.A: 0 Yes</p> | | | | | | | | | | | | | | | | | |
| <p>CODE & STANDARD</p> | | | | | | | | | | | | | | | | | | |
| <p>Design Code: Face to Face Dimensional: Fire Testing: Pressure Testing:</p> | <p>API 594 ASME B16.10 API 6FA As per API 598</p> | | | | | | | | | | | | | | | | | |
| <p>DESIGN DATA</p> | | | | | | | | | | | | | | | | | | |
| <p>Pressure Rating: Design Pressure: Design Temperature: Body Construction: End Connection: Finishing:</p> | <p>300# 30.3 BARG 155 °C Casting FLGD (In acc. with ASME B16.5) RF</p> | | | | | | | | | | | | | | | | | |
| <p>MATERIAL</p> | | | | | | | | | | | | | | | | | | |
| <p>Body/Cover Trim Cover/Bonnet: Stem: Disc Seat: Body Seat: Packing: Gland: Bolt & Nut: Gasket Bonnet:</p> | <p>ASTM A351 CF3M 18Cr-8Ni-Mo(Trim No. 10) BC NA 18Cr-8Ni-Mo 18Cr-8Ni-Mo NA NA ASTM A193 Gr.8M/ASTM A194 Gr.8M VTA</p> | | | | | | | | | | | | | | | | | |
| <p>General Note:</p> <ol style="list-style-type: none"> 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. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs. 9. Material for "Process Gas and Close drain" Service of "AS00, CS00 & FS00" Classes shall be in compliance with "NACE MR 0175 / ISO 15156 Std." For "Chemical" service, there is no need for "NACE MR 0175 / ISO 15156 Std." requirements. | | | | | | | | | | | | | | | | | | |

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| پروژه | بسته کاری | صادر کننده | تسهیلات | رشته | نوع مدرک | سریال | نسخه | | | | | | | | | | | |
| BK | GCS | PEDCO | 120 | PI | DT | 0002 | D03 | | | | | | | | | | | |
| <p style="text-align: center;">TAG NO: MV-CHK-C06</p> | | | | | | | | | | | | | | | | | | |
| <p style="text-align: center;">GENERAL DATA</p> | | | | | | | | | | | | | | | | | | |
| <p>Type of Valve: Pattern: Valve Size Range: Piping Class & C.A: NACE MR0175/ISO15156 Compliance</p> | <p>Check Swing Type 2 ~ 12 inch FN05 & FN07 & C.A: 6 Yes</p> | | | | | | | | | | | | | | | | | |
| <p style="text-align: center;">CODE & STANDARD</p> | | | | | | | | | | | | | | | | | | |
| <p>Design Code: Face to Face Dimensional: Fire Testing: Pressure Testing:</p> | <p>API 594 ASME B16.10 API 6FA As per API 598</p> | | | | | | | | | | | | | | | | | |
| <p style="text-align: center;">DESIGN DATA</p> | | | | | | | | | | | | | | | | | | |
| <p>Pressure Rating: Design Pressure: Design Temperature: Body Construction: End Connection: Finishing:</p> | <p>600# 90 BARG 175 °C Casting FLGD RF</p> | | | | | | | | | | | | | | | | | |
| <p style="text-align: center;">MATERIAL</p> | | | | | | | | | | | | | | | | | | |
| <p>Body/Cover Trim Cover/Bonnet: Stem: Disc Seat: Body Seat: Packing: Gland: Bolt & Nut: Gasket Bonnet:</p> | <p>ASTM A216 WCB 18Cr-8Ni-Mo/Stellite 6 (Trim No. 12) BC NA 18Cr-8Ni-Mo Stellite 6 NA NA ASTM A193 Gr.B7M/ASTM A194 Gr.2HM VTA</p> | | | | | | | | | | | | | | | | | |
| <p>General Note:</p> <ol style="list-style-type: none"> 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. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006. 9. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs. | | | | | | | | | | | | | | | | | | |

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|---|---|---|-----------|-----------|----------|-------|----------|-------|------|----|-----|-------|-----|----|----|------|-----|-----------------------------|
|  <p>NISOC</p> | <p>نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض</p> <p>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> |  | | | | | | | | | | | | | | | | |
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| پروژه | بسته کاری | صادرکننده | تسهیلات | رشته | نوع مدرک | سریال | نسخه | | | | | | | | | | | |
| BK | GCS | PEDCO | 120 | PI | DT | 0002 | D03 | | | | | | | | | | | |
| <p>TAG NO: MV-CHK-C06S</p> | | | | | | | | | | | | | | | | | | |
| <p>GENERAL DATA</p> | | | | | | | | | | | | | | | | | | |
| <p>Type of Valve: Pattern: Valve Size Range: Piping Class & C.A: NACE MR0175/ISO15156 Compliance</p> | <p>Check Swing Type 2 ~ 24 inch FS00 & C.A: 0 Yes</p> | | | | | | | | | | | | | | | | | |
| <p>CODE & STANDARD</p> | | | | | | | | | | | | | | | | | | |
| <p>Design Code: Face to Face Dimensional: Fire Testing: Pressure Testing:</p> | <p>API 594 ASME B16.10 API 6FA As per API 598</p> | | | | | | | | | | | | | | | | | |
| <p>DESIGN DATA</p> | | | | | | | | | | | | | | | | | | |
| <p>Pressure Rating: Design Pressure: Design Temperature: Body Construction: End Connection: Finishing:</p> | <p>600# 62.4 BARG 175 °C Casting FLGD (In acc. with ASME B16.5) RF</p> | | | | | | | | | | | | | | | | | |
| <p>MATERIAL</p> | | | | | | | | | | | | | | | | | | |
| <p>Body/Cover Trim Cover/Bonnet: Stem: Disc Seat: Body Seat: Packing: Gland: Bolt & Nut: Gasket Bonnet:</p> | <p>ASTM A351 CF3M 18Cr-8Ni-Mo(Trim No. 10) BC NA 18Cr-8Ni-Mo 18Cr-8Ni-Mo NA NA ASTM A193 Gr.8M/ASTM A194 Gr.8M VTA</p> | | | | | | | | | | | | | | | | | |
| <p>General Note:</p> <ol style="list-style-type: none"> 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. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs. 9. Material for "Process Gas and Close drain" Service of "AS00, CS00 & FS00" Classes shall be in compliance with "NACE MR 0175 / ISO 15156 Std." For "Chemical" service, there is no need for "NACE MR 0175 / ISO 15156 Std." requirements. | | | | | | | | | | | | | | | | | | |



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شماره پیمان:

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DATA SHEETS FOR MANUAL VALVES

| پروژه | بسته کاری | صادرکننده | تسهیلات | رشته | نوع مدرک | سریال | نسخه |
|-------|-----------|-----------|---------|------|----------|-------|------|
| BK | GCS | PEDCO | 120 | PI | DT | 0002 | D03 |

شماره صفحه: ۱۵ از ۷۰

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 |
| NACE MR0175/ISO15156 Compliance | No |

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: | 18.2 BARG |
| Design Temperature: | 85 °C |
| Body Construction: | Forged |
| End Connection: | SW & SW/FNPT |
| Finishing: | NA |

MATERIAL

| | |
|-------------------|---------------------------------|
| Body/Bonnet | ASTM A105 |
| Trim: | 13Cr + Stellite 6 (Trim No.8) |
| Cover/Bonnet: | BB |
| Stem: | NA |
| Body Seat Surface | Stellite 6 |
| Gate Seat Surface | 13Cr |
| Packing: | NA |
| Gland: | NA |
| Bolt & Nut: | ASTM A193 Gr.B7/ASTM A194 Gr.2H |
| 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. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.



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DATA SHEETS FOR MANUAL VALVES

| پروژه | بسته کاری | صادرکننده | تسهیلات | رشته | نوع مدرک | سریال | نسخه |
|-------|-----------|-----------|---------|------|----------|-------|------|
| BK | GCS | PEDCO | 120 | PI | DT | 0002 | D03 |

شماره صفحه: ۱۶ از ۷۰

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 |
| NACE MR0175/ISO15156 Compliance | Yes (except for AN04) |

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 BARG |
| Design Temperature: | 175 °C |
| Body Construction: | Forged |
| End Connection: | SW & SW/FNPT |
| Finishing: | NA |

MATERIAL

| | |
|-------------------|---|
| Body/Bonnet | ASTM A105 |
| Trim: | 18Cr-8Ni-Mo/Stellite 6(Trim No. 12) |
| Cover/Bonnet: | BB |
| Stem: | 18Cr-8Ni-Mo |
| Body Seat Surface | Stellite 6 |
| Gate Seat Surface | 18Cr-8Ni-Mo |
| 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. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.



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DATA SHEETS FOR MANUAL VALVES

| نسخه | سریال | نوع مدرک | رشته | تسهیلات | صادرکننده | بسته کاری | پروژه |
|------|-------|----------|------|---------|-----------|-----------|-------|
| D03 | 0002 | DT | PI | 120 | PEDCO | GCS | BK |

شماره صفحه: ۱۷ از ۷۰

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 |
| NACE MR0175/ISO15156 Compliance | Yes |

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: | 62.4 BARG |
| Design Temperature: | 175 °C |
| Body Construction: | Forged |
| End Connection: | SW & SW/FNPT |
| Finishing: | NA |

MATERIAL

| | |
|-------------------|---|
| Body/Bonnet | ASTM A182 F316L |
| Trim: | 18Cr-8Ni-Mo(Trim No. 10) |
| Cover/Bonnet: | BB |
| Stem: | 18Cr-8Ni-Mo |
| Body Seat Surface | 18Cr-8Ni-Mo |
| Gate Seat Surface | 18Cr-8Ni-Mo |
| 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. Material for "Process Gas and Close drain" Service of "AS00, CS00 & FS00" Classes shall be in compliance with "NACE MR 0175 / ISO 15156 Std." For "Chemical" service, there is no need for "NACE MR 0175 / ISO 15156 Std." requirements.



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DATA SHEETS FOR MANUAL VALVES

| پروژه | بسته کاری | صادرکننده | تسهیلات | رشته | نوع مدرک | سریال | نسخه |
|-------|-----------|-----------|---------|------|----------|-------|------|
| BK | GCS | PEDCO | 120 | PI | DT | 0002 | D03 |

شماره صفحه 18 از ۷۰

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 |
| NACE MR0175/ISO15156 Compliance | No |

CODE & STANDARD

| | |
|---------------------------|----------------|
| Design Code: | MSS SP-80 |
| Face to Face Dimensional: | ASME B16.10 |
| Fire Testing: | API 6FA |
| Pressure Testing: | As per API 598 |

DESIGN DATA

| | |
|---------------------|-----------|
| Pressure Rating: | 800# |
| Design Pressure: | 18.2 BARG |
| Design Temperature: | 85 °C |
| Body Construction: | Forged |
| End Connection: | NPT |
| Finishing: | TRD |

MATERIAL

| | |
|-------------------|---|
| Body/Bonnet | ASTM B148 UNS C95800 |
| Trim: | ASTM B148 UNS C95800 |
| Cover/Bonnet: | Screwed Bonnet |
| Stem: | Aluminium Bronze |
| Body Seat Surface | ASTM B148 UNS C95800 |
| Gate Seat Surface | VTA |
| Packing: | STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING |
| Gland: | VTA |
| Bolt & Nut: | ASTM A193 Gr.B7/ASTM A194 Gr.2H (Galvanized) |
| 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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DATA SHEETS FOR MANUAL VALVES

| پروژه | بسته کاری | صادرکننده | تسهیلات | رشته | نوع مدرک | سریال | نسخه |
|-------|-----------|-----------|---------|------|----------|-------|------|
| BK | GCS | PEDCO | 120 | PI | DT | 0002 | D03 |

شماره صفحه: ۱۹ از ۷۰

TAG NO: MV-GAT-C08BZ

GENERAL DATA

| | |
|---------------------------------|--------------------------------|
| Type of Valve: | Gate |
| Pattern: | Solid Wedge, BB, OS.&Y, H.W.OP |
| Valve Size Range: | 2~4 inch |
| Piping Class & C.A: | AZ00 & C.A: 0 |
| NACE MR0175/ISO15156 Compliance | No |

CODE & STANDARD

| | |
|---------------------------|----------------|
| Design Code: | API 600 |
| 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 BARG |
| Design Temperature: | 85 °C |
| Body Construction: | Casting |
| End Connection: | FLGD |
| Finishing: | RF |

MATERIAL

| | |
|-------------------|---|
| Body/Bonnet | ASTM B148 UNS C95800 |
| Trim: | ASTM B148 UNS C95800 |
| Cover/Bonnet: | Screwed Bonnet |
| Stem: | Aluminium Bronze |
| Body Seat Surface | ASTM B148 UNS C95800 |
| Gate Seat Surface | VTA |
| Packing: | STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING |
| Gland: | VTA |
| Bolt & Nut: | ASTM A193 Gr.B7/ASTM A194 Gr.2H (Galvanized) |
| 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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DATA SHEETS FOR MANUAL VALVES

| نسخه | سریال | نوع مدرک | رشته | تسهیلات | صادر کننده | بسته کاری | پروژه |
|------|-------|----------|------|---------|------------|-----------|-------|
| D03 | 0002 | DT | PI | 120 | PEDCO | GCS | BK |

شماره صفحه: ۲۰ از ۷۰

TAG NO: MV-GAT-C01A-HO

GENERAL DATA

| | |
|---------------------------------|------------------------|
| Type of Valve: | Gate |
| Pattern: | Flexible Wedge, H.W.OP |
| Valve Size Range: | 2~12 inch |
| Piping Class & C.A: | AN01 & C.A: 1 |
| NACE MR0175/ISO15156 Compliance | No |

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: | 18.2 BARG |
| Design Temperature: | 85 °C |
| Body Construction: | Casting |
| End Connection: | FLGD (In acc. with ASME B16.5) |
| Finishing: | RF |

MATERIAL

| | |
|-------------------|--|
| Body/Bonnet | ASTM A216 WCB |
| Trim: | 13Cr/Stellite 6 (Trim No. 8) |
| Cover/Bonnet: | BB |
| Stem: | 13Cr |
| Body Seat Surface | Stellite 6 |
| Gate Seat Surface | 13Cr |
| 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. Valves shall be fully painted at vendor shop as per BK-GNRL-PEDCO-000-PI-SP-0006.
9. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.



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DATA SHEETS FOR MANUAL VALVES

| نسخه | سریال | نوع مدرک | رشته | تسهیلات | صادرکننده | بسته کاری | پروژه |
|------|-------|----------|------|---------|-----------|-----------|-------|
| D03 | 0002 | DT | PI | 120 | PEDCO | GCS | BK |

شماره صفحه: ۲۱ از ۷۰

TAG NO: MV-GAT-C01B-HO

GENERAL DATA

| | |
|---------------------------------|----------------------------|
| Type of Valve: | Gate |
| Pattern: | Flexible Wedge, H.W.OP |
| Valve Size Range: | 2~12 inch |
| Piping Class & C.A: | AN04, AN05 & AN07 & C.A: 6 |
| NACE MR0175/ISO15156 Compliance | Yes (Except for AN04) |

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: | 18.2 BARG |
| Design Temperature: | 85 °C |
| Body Construction: | Casting |
| End Connection: | FLGD (In acc. with ASME B16.5) |
| Finishing: | RF |

MATERIAL

| | |
|-------------------|--|
| Body/Bonnet | ASTM A216 WCB |
| Trim: | 18Cr-8Ni-Mo/Stellite 6(Trim No. 12) |
| Cover/Bonnet: | BB |
| Stem: | 18Cr-8Ni-Mo |
| Body Seat Surface | Stellite 6 |
| Gate Seat Surface | 18Cr-8Ni-Mo |
| 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:

- Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
- Inner or outer leakage is not acceptable.
- 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.
- Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
- Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
- All valve data sheets shall be confirmed by vendor.
- All valve shall have a fire-safe design.
- Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.
- Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.



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DATA SHEETS FOR MANUAL VALVES

| نسخه | سریال | نوع مدرك | رشته | تسهيلات | صادر كننده | بسته كارى | پروژه |
|------|-------|----------|------|---------|------------|-----------|-------|
| D03 | 0002 | DT | PI | 120 | PEDCO | GCS | BK |

شماره صفحه: ۲۲ از ۷۰

TAG NO: MV-GAT-C01S-HO

GENERAL DATA

| | |
|---------------------------------|------------------------|
| Type of Valve: | Gate |
| Pattern: | Flexible Wedge, H.W.OP |
| Valve Size Range: | 2~12 inch |
| Piping Class & C.A: | AS00 & C.A: 0 |
| NACE MR0175/ISO15156 Compliance | Yes |

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: | 13.9 BARG |
| Design Temperature: | 85 °C |
| Body Construction: | Casting |
| End Connection: | FLGD (In acc. with ASME B16.5) |
| Finishing: | RF |

MATERIAL

| | |
|-------------------|--|
| Body/Bonnet | ASTM A351 CF3M |
| Trim: | 18Cr-8Ni-Mo(Trim No. 10) |
| Cover/Bonnet: | BB |
| Stem: | 18Cr-8Ni-Mo |
| Body Seat Surface | 18Cr-8Ni-Mo |
| Gate Seat Surface | 18Cr-8Ni-Mo |
| 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. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.
9. Material for "Process Gas and Close drain" Service of "AS00, CS00 & FS00" Classes shall be in compliance with "NACE MR 0175 / ISO 15156 Std." For "Chemical" service, there is no need for "NACE MR 0175 / ISO 15156 Std." requirements.



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شماره پیمان:

DATA SHEETS FOR MANUAL VALVES

۰۵۳ - ۰۷۳ - ۹۱۸۴

| پروژه | بسته کاری | صادرکننده | تسهیلات | رشته | نوع مدرک | سریال | نسخه |
|-------|-----------|-----------|---------|------|----------|-------|------|
| BK | GCS | PEDCO | 120 | PI | DT | 0002 | D03 |

شماره صفحه: ۲۳ از ۷۰

TAG NO: MV-GAT-C01A-GO

GENERAL DATA

| | |
|---------------------------------|--------------------------|
| Type of Valve: | Gate |
| Pattern: | Flexible Wedge, Gear .OP |
| Valve Size Range: | 14~24 inch |
| Piping Class & C.A: | AN01 & C.A: 1 |
| NACE MR0175/ISO15156 Compliance | No |

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: | 18.2 BARG |
| Design Temperature: | 85 °C |
| Body Construction: | Casting |
| End Connection: | FLGD (In acc. with ASME B16.5) |
| Finishing: | RF |

MATERIAL

| | |
|-------------------|---|
| Body/Bonnet | ASTM A216 WCB |
| Trim: | 13Cr/Stellite 6 (Trim No. 8) |
| Cover/Bonnet: | BB |
| Stem: | 13Cr |
| Body Seat Surface | Stellite 6 |
| Gate Seat Surface | 13Cr |
| 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. Valves shall be fully painted at vendor shop as per BK-GNRL-PEDCO-000-PI-SP-0006.
9. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.



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شماره پیمان:

DATA SHEETS FOR MANUAL VALVES

۰۵۳ - ۰۷۳ - ۹۱۸۴

| پروژه | بسته کاری | صادرکننده | تسهیلات | رشته | نوع مدرک | سریال | نسخه |
|-------|-----------|-----------|---------|------|----------|-------|------|
| BK | GCS | PEDCO | 120 | PI | DT | 0002 | D03 |

شماره صفحه: ۲۴ از ۷۰

TAG NO: MV-GAT-C01B-GO

GENERAL DATA

| | |
|---------------------------------|----------------------------|
| Type of Valve: | Gate |
| Pattern: | Flexible Wedge, Gear .OP |
| Valve Size Range: | 14~24 inch |
| Piping Class & C.A: | AN04, AN05 & AN07 & C.A: 6 |
| NACE MR0175/ISO15156 Compliance | Yes (Except for AN04) |

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: | 18.2 BARG |
| Design Temperature: | 85 °C |
| Body Construction: | Casting |
| End Connection: | FLGD (In acc. with ASME B16.5) |
| Finishing: | RF |

MATERIAL

| | |
|-------------------|---|
| Body/Bonnet | ASTM A216 WCB |
| Trim: | 18Cr-8Ni-Mo/Stellite 6(Trim No. 12) |
| Cover/Bonnet: | BB |
| Stem: | 18Cr-8Ni-Mo |
| Body Seat Surface | Stellite 6 |
| Gate Seat Surface | 18Cr-8Ni-Mo |
| 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. Valves shall be fully painted at vendor shop as per BK-GNRL-PEDCO-000-PI-SP-0006.
9. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.



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شماره پیمان:

DATA SHEETS FOR MANUAL VALVES

۰۵۳ - ۰۷۳ - ۹۱۸۴

| پروژه | بسته کاری | صادرکننده | تسهیلات | رشته | نوع مدرک | سریال | نسخه |
|-------|-----------|-----------|---------|------|----------|-------|------|
| BK | GCS | PEDCO | 120 | PI | DT | 0002 | D03 |

شماره صفحه: ۲۵ از ۷۰

TAG NO: MV-GAT-C01S-GO

GENERAL DATA

| | |
|---------------------------------|--------------------------|
| Type of Valve: | Gate |
| Pattern: | Flexible Wedge, Gear .OP |
| Valve Size Range: | 14~24 inch |
| Piping Class & C.A: | AS00 & C.A: 0 |
| NACE MR0175/ISO15156 Compliance | Yes |

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: | 13.9 BARG |
| Design Temperature: | 85 °C |
| Body Construction: | Casting |
| End Connection: | FLGD (In acc. with ASME B16.5) |
| Finishing: | RF |

MATERIAL

| | |
|-------------------|---|
| Body/Bonnet | ASTM A351 CF3M |
| Trim: | 18Cr-8Ni-Mo(Trim No. 10) |
| Cover/Bonnet: | BB |
| Stem: | 18Cr-8Ni-Mo |
| Body Seat Surface | 18Cr-8Ni-Mo |
| Gate Seat Surface | 18Cr-8Ni-Mo |
| 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. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.
9. Material for "Process Gas and Close drain" Service of "AS00, CS00 & FS00" Classes shall be in compliance with "NACE MR 0175 / ISO 15156 Std." For "Chemical" service, there is no need for "NACE MR 0175 / ISO 15156 Std." requirements.



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شماره پیمان:

DATA SHEETS FOR MANUAL VALVES

۰۵۳ - ۰۷۳ - ۹۱۸۴

شماره صفحه: ۲۶ از ۷۰

| نسخه | سریال | نوع مدرک | رشته | تسهیلات | صادرکننده | بسته کاری | پروژه |
|------|-------|----------|------|---------|-----------|-----------|-------|
| D03 | 0002 | DT | PI | 120 | PEDCO | GCS | BK |

TAG NO: MV-GAT-C03-HO

GENERAL DATA

| | |
|---------------------------------|------------------------|
| Type of Valve: | Gate |
| Pattern: | Flexible Wedge, H.W.OP |
| Valve Size Range: | 2~12 inch |
| Piping Class & C.A: | CN05 & CN07 & C.A: 6 |
| NACE MR0175/ISO15156 Compliance | Yes |

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: | 47.7 BARG |
| Design Temperature: | 155 °C |
| Body Construction: | Casting |
| End Connection: | FLGD (In acc. with ASME B16.5) |
| Finishing: | RF |

MATERIAL

| | |
|-------------------|---|
| Body/Bonnet | ASTM A216 WCB |
| Trim: | 18Cr-8Ni-Mo/Stellite 6(Trim No. 12) |
| Cover/Bonnet: | BB |
| Stem: | 18Cr-8Ni-Mo |
| Body Seat Surface | Stellite 6 |
| Gate Seat Surface | 18Cr-8Ni-Mo |
| 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. Valves shall be fully painted at vendor shop as per BK-GNRAI-PEDCO-000-PI-SP-0006.
9. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.



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شماره پیمان:

DATA SHEETS FOR MANUAL VALVES

۰۵۳ - ۰۷۳ - ۹۱۸۴

شماره صفحه: ۲۷ از ۷۰

| پروژه | بسته کاری | صادرکننده | تسهیلات | رشته | نوع مدرک | سریال | نسخه |
|-------|-----------|-----------|---------|------|----------|-------|------|
| BK | GCS | PEDCO | 120 | PI | DT | 0002 | D03 |

TAG NO: MV-GAT-C03S-HO

GENERAL DATA

| | |
|---------------------------------|------------------------|
| Type of Valve: | Gate |
| Pattern: | Flexible Wedge, H.W.OP |
| Valve Size Range: | 2~12 inch |
| Piping Class & C.A: | CS00 & C.A: 0 |
| NACE MR0175/ISO15156 Compliance | Yes |

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: | 30.3 BARG |
| Design Temperature: | 155 °C |
| Body Construction: | Casting |
| End Connection: | FLGD (In acc. with ASME B16.5) |
| Finishing: | RF |

MATERIAL

| | |
|-------------------|---|
| Body/Bonnet | ASTM A351 CF3M |
| Trim: | 18Cr-8Ni-Mo(Trim No. 10) |
| Cover/Bonnet: | BB |
| Stem: | 18Cr-8Ni-Mo |
| Body Seat Surface | 18Cr-8Ni-Mo |
| Gate Seat Surface | 18Cr-8Ni-Mo |
| 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. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.
9. Material for "Process Gas and Close drain" Service of "AS00, CS00 & FS00" Classes shall be in compliance with "NACE MR 0175 / ISO 15156 Std." For "Chemical" service, there is no need for "NACE MR 0175 / ISO 15156 Std." requirements.

| | | | | | | | | |
|--|--|-----------|-----------|---------|------|----------|-------|---|
|  <p>NISOC</p> | <p>نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض</p> <p>احداث ردیف توکام گاز در ایستگاه جمع آوری بینک</p> | | | | | | |  |
| شماره پیمان: | DATA SHEETS FOR MANUAL VALVES | | | | | | | شماره صفحه: ۲۸ از ۷۰ |
| ۰۵۳ - ۰۷۳ - ۹۱۸۴ | پروژه | بسته کاری | صادرکننده | تسهیلات | رشته | نوع مدرک | سریال | نسخه |
| BK | GCS | PEDCO | 120 | PI | DT | 0002 | D03 | |
| TAG NO: MV-GAT-C03-GO | | | | | | | | |
| GENERAL DATA | | | | | | | | |
| Type of Valve: Pattern: Valve Size Range: Piping Class & C.A: NACE MR0175/ISO15156 Compliance | Gate Flexible Wedge, Gear .OP 14~24 inch CN05 & CN07 & C.A: 6 Yes | | | | | | | |
| CODE & STANDARD | | | | | | | | |
| Design Code: Face to Face Dimensional: Fire Testing: Pressure Testing: | API600 ASME B16.10 API 6FA As per API 598 | | | | | | | |
| DESIGN DATA | | | | | | | | |
| Pressure Rating: Design Pressure: Design Temperature: Body Construction: End Connection: Finishing: | 300# 47.7 BARG 155 °C Casting FLGD (In acc. with ASME B16.5) RF | | | | | | | |
| MATERIAL | | | | | | | | |
| Body/Bonnet Trim: Cover/Bonnet: Stem: Body Seat Surface Gate Seat Surface Packing: Gland: Bolt & Nut: Bonnet Gasket: | ASTM A216 WCB 18Cr-8Ni-Mo/Stellite 6(Trim No. 12) BB 18Cr-8Ni-Mo Stellite 6 18Cr-8Ni-Mo STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING VTA ASTM A193 Gr.B7M/ASTM A194 Gr.2HM 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. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006. 9. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs. | | | | | | | | |



شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

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سطح الارض

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES

| | | | | | | | |
|-------|-----------|-----------|---------|------|----------|-------|------|
| پروژه | بسته کاری | صادرکننده | تسهیلات | رشته | نوع مدرک | سریال | نسخه |
| BK | GCS | PEDCO | 120 | PI | DT | 0002 | D03 |



شماره صفحه: ۲۹ از ۷۰

TAG NO: MV-GAT-C06-HO

GENERAL DATA

| | |
|---------------------------------|-------------------------|
| Type of Valve: | Gate |
| Pattern: | Flexible Wedge, H.W .OP |
| Valve Size Range: | 2~10 inch |
| Piping Class & C.A: | FN05 & FN07 & C.A: 6 |
| NACE MR0175/ISO15156 Compliance | Yes |

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 BARG |
| Design Temperature: | 175 °C |
| Body Construction: | Casting |
| End Connection: | FLGD (In acc. with ASME B16.5) |
| Finishing: | RF |

MATERIAL

| | |
|-------------------|--|
| Body/Bonnet | ASTM A216 WCB |
| Trim: | 18Cr-8Ni-Mo/Stellite 6(Trim No. 12) |
| Cover/Bonnet: | BB |
| Stem: | 18Cr-8Ni-Mo |
| Body Seat Surface | Stellite 6 |
| Gate Seat Surface | 18Cr-8Ni-Mo |
| Packing: | STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING |
| Gland: | |
| 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. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.
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 | بسته کاری | صادرکننده | تسهیلات | رشته | نوع مدرک | سریال | نسخه |
|-------|-----------|-----------|---------|------|----------|-------|------|
| BK | GCS | PEDCO | 120 | PI | DT | 0002 | D03 |

شماره صفحه: ۳۰ از ۷۰

TAG NO: MV-GAT-C06S-HO

GENERAL DATA

| | |
|---------------------------------|-------------------------|
| Type of Valve: | Gate |
| Pattern: | Flexible Wedge, H.W .OP |
| Valve Size Range: | 2~10 inch |
| Piping Class & C.A: | FS00 & C.A: 0 |
| NACE MR0175/ISO15156 Compliance | Yes |

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: | 62.4 BARG |
| Design Temperature: | 175 °C |
| Body Construction: | Casting |
| End Connection: | FLGD (In acc. with ASME B16.5) |
| Finishing: | RF |

MATERIAL

| | |
|-------------------|---|
| Body/Bonnet | ASTM A351 CF3M |
| Trim: | 18Cr-8Ni-Mo(Trim No. 10) |
| Cover/Bonnet: | BB |
| Stem: | 18Cr-8Ni-Mo |
| Body Seat Surface | 18Cr-8Ni-Mo |
| Gate Seat Surface | 18Cr-8Ni-Mo |
| 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:

- Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
- Inner or outer leakage is not acceptable.
- 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.
- Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
- Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
- All valve data sheets shall be confirmed by vendor.
- All valve shall have a fire-safe design.
- Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.
- Material for "Process Gas and Close drain" Service of "AS00, CS00 & FS00" Classes shall be in compliance with "NACE MR 0175 / ISO 15156 Std." For "Chemical" service, there is no need for "NACE MR 0175 / ISO 15156 Std." requirements.

| | | | | | | | | | | | | | | | | | | |
|--|--|---|-----------|------------|----------|-------|----------|-------|------|----|-----|-------|-----|----|----|------|-----|-----------------------------|
|  <p>NISOC</p> | <p>نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض</p> <p>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> |  | | | | | | | | | | | | | | | | |
| <p>شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴</p> | <p>DATA SHEETS FOR MANUAL VALVES</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">پروژه</td> <td style="width: 10%;">بسته کاری</td> <td style="width: 10%;">صادر کننده</td> <td style="width: 10%;">تسهیلات</td> <td style="width: 10%;">رشته</td> <td style="width: 10%;">نوع مدرک</td> <td style="width: 10%;">سریال</td> <td style="width: 10%;">نسخه</td> </tr> <tr> <td>BK</td> <td>GCS</td> <td>PEDCO</td> <td>120</td> <td>PI</td> <td>DT</td> <td>0002</td> <td>D03</td> </tr> </table> | پروژه | بسته کاری | صادر کننده | تسهیلات | رشته | نوع مدرک | سریال | نسخه | BK | GCS | PEDCO | 120 | PI | DT | 0002 | D03 | <p>شماره صفحه: ۳۱ از ۷۰</p> |
| پروژه | بسته کاری | صادر کننده | تسهیلات | رشته | نوع مدرک | سریال | نسخه | | | | | | | | | | | |
| BK | GCS | PEDCO | 120 | PI | DT | 0002 | D03 | | | | | | | | | | | |
| TAG NO: MV-GAT-C06-GO | | | | | | | | | | | | | | | | | | |
| GENERAL DATA | | | | | | | | | | | | | | | | | | |
| <p>Type of Valve: Pattern: Valve Size Range: Piping Class & C.A: NACE MR0175/ISO15156 Compliance</p> | <p>Gate Flexible Wedge, Gear .OP 12~24 inch FN05 & FN07 & C.A: 6 Yes</p> | | | | | | | | | | | | | | | | | |
| CODE & STANDARD | | | | | | | | | | | | | | | | | | |
| <p>Design Code: Face to Face Dimensional: Fire Testing: Pressure Testing:</p> | <p>API600 ASME B16.10 API 6FA As per API 598</p> | | | | | | | | | | | | | | | | | |
| DESIGN DATA | | | | | | | | | | | | | | | | | | |
| <p>Pressure Rating: Design Pressure: Design Temperature: Body Construction: End Connection: Finishing:</p> | <p>600# 90 BARG 175 °C Casting FLGD (In acc. with ASME B16.5) RF</p> | | | | | | | | | | | | | | | | | |
| MATERIAL | | | | | | | | | | | | | | | | | | |
| <p>Body/Bonnet Trim: Cover/Bonnet: Stem: Body Seat Surface Gate Seat Surface Packing: Gland: Bolt & Nut: Bonnet Gasket:</p> | <p>ASTM A216 WCB 18Cr-8Ni-Mo/Stellite 6(Trim No. 12) BB 18Cr-8Ni-Mo Stellite 6 18Cr-8Ni-Mo STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING VTA ASTM A193 Gr.B7M/ASTM A194 Gr.2HM VTA</p> | | | | | | | | | | | | | | | | | |
| <p>General Note:</p> <ol style="list-style-type: none"> Vendor shall confirm the selected material, and suggestions for other good materials are appreciated. Inner or outer leakage is not acceptable. 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. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified. All valve data sheets shall be confirmed by vendor. All valve shall have a fire-safe design. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006. 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

| | | | | | | | |
|-------|-----------|------------|---------|------|----------|-------|------|
| پروژه | بسته کاری | صادر کننده | تسهیلات | رشته | نوع مدرک | سریال | نسخه |
| BK | GCS | PEDCO | 120 | PI | DT | 0002 | D03 |

شماره صفحه: ۷۰ از ۳۲

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: | ANO1 & C.A: 1 |
| NACE MR0175/ISO15156 Compliance | No |

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: | 18.2 BARG |
| Design Temperature: | 85 °C |
| Body Construction: | Forged |
| Trim Construction: | Forged (VTC) |
| End Connection: | SW |
| Finishing: | NA |

MATERIAL

| | |
|----------------|---|
| Body/Bonnet | ASTM A105 |
| Trim | 13Cr + Stellite 6 (Trim No.8) |
| Cover | BC |
| Stem: | 13Cr |
| Disc Seat: | 13Cr |
| Body Seat: | Stellite 6 |
| Packing: | STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING |
| Gland: | VTA |
| Bolt & Nut: | ASTM A193 Gr.B7/ASTM A194 Gr.2H |
| 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. 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

شماره صفحه: ۷۰ از ۳۳

| پروژه | بسته کاری | صادر کننده | تسهیلات | رشته | نوع مدرک | سریال | نسخه |
|-------|-----------|------------|---------|------|----------|-------|------|
| BK | GCS | PEDCO | 120 | PI | DT | 0002 | D03 |

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 |
| NACE MR0175/ISO15156 Compliance | Yes (Except for AN04) |

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 BARG |
| Design Temperature: | 175 °C |
| Body Construction: | Forged |
| Trim Construction: | Forged (VTC) |
| End Connection: | SW |
| Finishing: | NA |

MATERIAL

| | |
|----------------|---|
| Body/Bonnet | ASTM A105 |
| Trim | 18Cr-8Ni-Mo/Stellite 6(Trim No. 12) |
| Cover/Bonnet: | BB |
| Stem: | 18Cr-8Ni-Mo |
| Disc Seat: | 18Cr-8Ni-Mo |
| Body Seat: | Stellite 6 |
| 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. 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

| نسخه | سریال | نوع مدرک | رشته | تسهیلات | صادرکننده | بسته کاری | پروژه |
|------|-------|----------|------|---------|-----------|-----------|-------|
| D03 | 0002 | DT | PI | 120 | PEDCO | GCS | BK |

شماره صفحه: ۷۰ از ۳۴

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 |
| NACE MR0175/ISO15156 Compliance | Yes |

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: | 62.4 BARG |
| Design Temperature: | 175 °C |
| Body Construction: | Forged |
| Trim Construction: | Forged (VTC) |
| End Connection: | SW |
| Finishing: | NA |

MATERIAL

| | |
|----------------|---|
| Body/Bonnet | ASTM A182 F316L |
| Trim | 18Cr-8Ni-Mo(Trim No. 10) |
| Cover/Bonnet: | BB |
| Stem: | 18Cr-8Ni-Mo |
| Disc Seat: | 18Cr-8Ni-Mo |
| Body Seat: | 18Cr-8Ni-Mo |
| 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.Material for "Process Gas and Close drain" Service of "AS00, CS00 & FS00" Classes shall be in compliance with "NACE MR 0175 / ISO 15156 Std." For "Chemical" service, there is no need for "NACE MR 0175 / ISO 15156 Std." requirements.



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شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

DATA SHEETS FOR MANUAL VALVES

| نسخه | سریال | نوع مدرک | رشته | تسهیلات | صادرکننده | بسته کاری | پروژه |
|------|-------|----------|------|---------|-----------|-----------|-------|
| D03 | 0002 | DT | PI | 120 | PEDCO | GCS | BK |

شماره صفحه: ۳۵ از ۷۰

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 |
| NACE MR0175/ISO15156 Compliance | No |

CODE & STANDARD

| | |
|---------------------------|----------------|
| Design Code: | MSS SP-80 |
| Face to Face Dimensional: | ASME B16.10 |
| Fire Testing: | API 6FA |
| Pressure Testing: | As per API 598 |

DESIGN DATA

| | |
|---------------------|-----------|
| Pressure Rating: | 800# |
| Design Pressure: | 18.2 BARG |
| Design Temperature: | 85 °C |
| Body Construction: | Forged |
| End Connection: | NPT |
| Finishing: | TRD |

MATERIAL

| | |
|----------------|---|
| Body/Bonnet | ASTM B148 UNS C95800 |
| Trim | 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: | ASTM A193 Gr.B7/ASTM A194 Gr.2H (Galvanized) |
| 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.



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 |
|------|-------|----------|------|---------|-----------|-----------|-------|
| D03 | 0002 | DT | PI | 120 | PEDCO | GCS | BK |

شماره صفحه: ۳۶ از ۷۰

TAG NO: MV-GLB-C08BZ

GENERAL DATA

| | |
|---------------------------------|--------------------------------|
| Type of Valve: | Globe |
| Pattern: | OS&Y, SWIVEL PLUG DISC, H.W.OP |
| Valve Size Range: | 2 ~ 4 inch |
| Piping Class & C.A.: | AZ00 & C.A: 0 |
| NACE MR0175/ISO15156 Compliance | No |

CODE & STANDARD

| | |
|---------------------------|----------------|
| Design Code: | API 623 |
| 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 BARG |
| Design Temperature: | 85 °C |
| Body Construction: | Casting |
| End Connection: | FLGD |
| Finishing: | RF |




MATERIAL

| | |
|----------------|---|
| Body/Bonnet | ASTM B148 UNS C95800 |
| Trim | 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: | ASTM A193 Gr.B7/ASTM A194 Gr.2H (Galvanized) |
| 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.

| | | | | | | | | |
|---|--|------------------|------------------|----------------|-------------|-----------------|--------------|---|
|  <p>NISOC</p> | <p>تجهاد است و افزايش توليد ميدان نفتي بينک سطح الارض</p> <p>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> | | | | | | |   |
| <p>شماره پیمان:</p> | <p>DATA SHEETS FOR MANUAL VALVES</p> | | | | | | | <p>شماره صفحه: ۳۷ از ۷۰</p> |
| <p>۰۵۳ - ۰۷۳ - ۹۱۸۴</p> | <p>پروژه</p> | <p>بسته کاری</p> | <p>صادرکننده</p> | <p>تسهيلات</p> | <p>رشته</p> | <p>نوع مدرک</p> | <p>سریال</p> | <p>نسخه</p> |
| | <p>BK</p> | <p>GCS</p> | <p>PEDCO</p> | <p>120</p> | <p>PI</p> | <p>DT</p> | <p>0002</p> | <p>D03</p> |
| <p>TAG NO: MV-GLB-C01A-HO</p> | | | | | | | | |
| <p>GENERAL DATA</p> | | | | | | | | |
| <p>Type of Valve: Pattern: Valve Size Range: Piping Class & C.A: NACE MR0175/ISO15156 Compliance</p> | <p>Globe OS&Y, SWIVEL PLUG DISC, H.W.OP 2 ~ 6 inch AN01 & C.A: 1 No</p> | | | | | | | |
| <p>CODE & STANDARD</p> | | | | | | | | |
| <p>Design Code: Face to Face Dimensional: Fire Testing: Pressure Testing:</p> | <p>API 623 ASME B16.10 API 6FA As per API 598</p> | | | | | | | |
| <p>DESIGN DATA</p> | | | | | | | | |
| <p>Pressure Rating: Design Pressure: Design Temperature: Body Construction: Trim Construction: End Connection: Finishing:</p> | <p>150# 18.2 BARG 85 °C Casting Casting FLGD (In acc. with ASME B16.5) RF</p> | | | | | | | |
| <p>MATERIAL</p> | | | | | | | | |
| <p>Body/Bonnet Trim Cover/Bonnet: Stem: Disc Seat: Body Seat: Packing: Gland: Bolt & Nut: Bonnet Gasket:</p> | <p>ASTM A216 WCB 13Cr + Stellite 6 (Trim No.8) BB 13Cr 13Cr Stellite 6 STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING VTA ASTM A193 Gr.B7/ASTM A194 Gr.2H VTA</p> | | | | | | | |
| <p>General Note:</p> <ol style="list-style-type: none"> 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. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006. 9. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs. | | | | | | | | |

| | | | | | | | | |
|--|--|------------------|------------------|----------------|--|-----------------|--------------|---|
|  <p>NISOC</p> | <p>تجهاد است و افزایش تولید میدان نفتی بینک سطح الارض</p> <p>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> | | | | | | |   |
| <p>شماره پیمان:</p> | <p>DATA SHEETS FOR MANUAL VALVES</p> | | | | | | | <p>شماره صفحه: ۷۰ از ۳۸</p> |
| <p>۰۵۳ - ۰۷۳ - ۹۱۸۴</p> | <p>پروژه</p> | <p>بسته کاری</p> | <p>صادرکننده</p> | <p>تسهیلات</p> | <p>رشته</p> | <p>نوع مدرک</p> | <p>سریال</p> | <p>نسخه</p> |
| <p>BK</p> | <p>GCS</p> | <p>PEDCO</p> | <p>120</p> | <p>PI</p> | <p>DT</p> | <p>0002</p> | <p>D03</p> | |
| <p>TAG NO: MV-GLB-C01B-HO</p> | | | | | | | | |
| <p>GENERAL DATA</p> | | | | | | | | |
| <p>Type of Valve: Pattern: Valve Size Range: Piping Class & C.A: NACE MR0175/ISO15156 Compliance</p> | | | | | <p>Globe OS&Y, SWIVEL PLUG DISC, H.W.OP 2 ~ 6 inch AN04, AN05 & AN07 & C.A: 6 Yes (Except for AN04)</p> | | | |
| <p>CODE & STANDARD</p> | | | | | | | | |
| <p>Design Code: Face to Face Dimensional: Fire Testing: Pressure Testing:</p> | | | | | <p>API 623 ASME B16.10 API 6FA As per API 598</p> | | | |
| <p>DESIGN DATA</p> | | | | | | | | |
| <p>Pressure Rating: Design Pressure: Design Temperature: Body Construction: Trim Construction: End Connection: Finishing:</p> | | | | | <p>150# 18.2 BARG 85 °C Casting Casting FLGD (In acc. with ASME B16.5) RF</p> | | | |
| <p>MATERIAL</p> | | | | | | | | |
| <p>Body/Bonnet Trim Cover/Bonnet: Stem: Disc Seat: Body Seat: Packing: Gland: Bolt & Nut: Bonnet Gasket:</p> | | | | | <p>ASTM A216 WCB 18Cr-8Ni-Mo/Stellite 6(Trim No. 12) BB 18Cr-8Ni-Mo 18Cr-8Ni-Mo Stellite 6 STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING VTA ASTM A193 Gr.B7M/ASTM A194 Gr.2HM VTA</p> | | | |
| <p>General Note:</p> <ol style="list-style-type: none"> 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. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006. 9. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs. | | | | | | | | |



شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

تجهیزات و افزایش تولید میدان نفتی بینک
سطح الارض

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES

| | | | | | | | |
|------|-------|----------|------|---------|-----------|-----------|-------|
| نسخه | سریال | نوع مدرک | رشته | تسهیلات | صادرکننده | بسته کاری | پروژه |
| D03 | 0002 | DT | PI | 120 | PEDCO | GCS | BK |



شماره صفحه: ۷۰ از ۳۹

TAG NO: MV-GLB-C01S-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: | AS00 & C.A: 0 |
| NACE MR0175/ISO15156 Compliance | Yes |

CODE & STANDARD

| | |
|---------------------------|----------------|
| Design Code: | API 623 |
| Face to Face Dimensional: | ASME B16.10 |
| Fire Testing: | API 6FA |
| Pressure Testing: | As per API 598 |

DESIGN DATA




| | |
|---------------------|--------------------------------|
| Pressure Rating: | 150# |
| Design Pressure: | 13.9 BARG |
| Design Temperature: | 85 °C |
| Body Construction: | Casting |
| Trim Construction: | Casting |
| End Connection: | FLGD (In acc. with ASME B16.5) |
| Finishing: | RF |




MATERIAL

| | |
|----------------|---|
| Body/Bonnet | ASTM A351 CF3M |
| Trim | 18Cr-8Ni-Mo(Trim No. 10) |
| Cover/Bonnet: | BB |
| Stem: | 18Cr-8Ni-Mo |
| Disc Seat: | 18Cr-8Ni-Mo |
| Body Seat: | 18Cr-8Ni-Mo |
| 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. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.
9. Material for "Process Gas and Close drain" Service of "AS00, CS00 & FS00" Classes shall be in compliance with "NACE MR 0175 / ISO 15156 Std." For "Chemical" service, there is no need for "NACE MR 0175 / ISO 15156 Std." requirements.

| | | | | | | | | | | |
|---|--|------------------|-------------------|----------------|-------------|-----------------|---|-----------------------------|--|--|
|  <p>NISOC</p> | <p>نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض</p> <p>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> | | | | | |   | | | |
| <p>شماره پیمان:</p> | <p>DATA SHEETS FOR MANUAL VALVES</p> | | | | | | | <p>شماره صفحه: ۷۰ از ۷۰</p> | | |
| <p>۰۵۳ - ۰۷۳ - ۹۱۸۴</p> | <p>پروژه</p> | <p>بسته کاری</p> | <p>صادر کننده</p> | <p>تسهیلات</p> | <p>رشته</p> | <p>نوع مدرک</p> | <p>سریال</p> | <p>نسخه</p> | | |
| | <p>BK</p> | <p>GCS</p> | <p>PEDCO</p> | <p>120</p> | <p>PI</p> | <p>DT</p> | <p>0002</p> | <p>D03</p> | | |
| <p>TAG NO: MV-GLB-C01-GO</p> | | | | | | | | | | |
| <p>GENERAL DATA</p> | | | | | | | | | | |
| <p>Type of Valve: Pattern: Valve Size Range: Piping Class & C.A: NACE MR0175/ISO15156 Compliance</p> | <p>Globe OS&Y, SWIVEL PLUG DISC, Gear.OP 8 ~ 24 inch AN04, AN05 & AN07 & C.A: 6 Yes (Except for AN04)</p> | | | | | | | | | |
| <p>CODE & STANDARD</p> | | | | | | | | | | |
| <p>Design Code: Face to Face Dimensional: Fire Testing: Pressure Testing:</p> | <p>API 623 ASME B16.10 API 6FA As per API 598</p> | | | | | | | | | |
| <p>DESIGN DATA</p> | | | | | | | | | | |
| <p>Pressure Rating: Design Pressure: Design Temperature: Body Construction: Trim Construction: End Connection: Finishing:</p> | <p>150# 18.2 BARG 85 °C Casting Casting FLGD (In acc. with ASME B16.5) RF</p> | | | | | | | | | |
| <p>MATERIAL</p> | | | | | | | | | | |
| <p>Body/Bonnet Trim Cover/Bonnet: Stem: Disc Seat: Body Seat: Packing: Gland: Bolt & Nut: Bonnet Gasket:</p> | <p>ASTM A216 WCB 18Cr-8Ni-Mo/Stellite 6(Trim No. 12) BB 18Cr-8Ni-Mo 18Cr-8Ni-Mo Stellite 6 STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING VTA ASTM A193 Gr. B7M/ASTM A194 Gr. 2HM VTA</p> | | | | | | | | | |
| <p>General Note:</p> | | | | | | | | | | |
| <p>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. Valves shall be fully painted at vendor shop as per BK-GNRL-PEDCO-000-PI-SP-0006. 9. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.</p> | | | | | | | | | | |

| | | | | | | | | | |
|---|--|------------------|--------------------|----------------|------------|---|---------------|----------------------|--|
|  <p>NISOC</p> | <p>نگهداشت و افزایش تولید میدان نفتی بینک 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: ۴۱ از ۷۰ | |
| | پروژه BK | بسته کاری GCS | صادرکننده PEDCO | تسهیلات 120 | رشته PI | نوع مدرک DT | سریال 0002 | نسخه D03 | |
| TAG NO: MV-GLB-C01S-GO | | | | | | | | | |
| GENERAL DATA | | | | | | | | | |
| Type of Valve: Pattern: Valve Size Range: Piping Class & C.A: NACE MR0175/ISO15156 Compliance | Globe OS&Y, SWIVEL PLUG DISC, Gear.OP 8 ~ 24 inch AS00 & C.A: 0 Yes | | | | | | | | |
| CODE & STANDARD | | | | | | | | | |
| Design Code: Face to Face Dimensional: Fire Testing: Pressure Testing: | API 623 ASME B16.10 API 6FA As per API 598 | | | | | | | | |
| DESIGN DATA | | | | | | | | | |
| Pressure Rating: Design Pressure: Design Temperature: Body Construction: Trim Construction: End Connection: Finishing: | 150# 13.9 BARG 85 °C Casting Casting FLGD (In acc. with ASME B16.5) RF | | | | | | | | |
| MATERIAL | | | | | | | | | |
| Body/Bonnet Trim Cover/Bonnet: Stem: Disc Seat: Body Seat: Packing: Gland: Bolt & Nut: Bonnet Gasket: | ASTM A351 CF3M 18Cr-8Ni-Mo(Trim No. 10) BB 18Cr-8Ni-Mo 18Cr-8Ni-Mo 18Cr-8Ni-Mo STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING VTA ASTM A193 Gr.B8M/ASTM A194 Gr.8M 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. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs. 9.Material for "Process Gas and Close drain " Service of "AS00, CS00 & FS00" Classes shall be in compliance with "NACE MR 0175 / ISO 15156 Std." For "Chemical" service, there is no need for "NACE MR 0175 / ISO 15156 Std." requirements. | | | | | | | | | |



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 | تسهیلات | رشته | نوع مدرک | سریال | نسخه |
| BK | GCS | PEDCO | 120 | PI | DT | 0002 | D03 |

شماره صفحه: ۴۲ از ۷۰

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 |
| NACE MR0175/ISO15156 Compliance | Yes |

CODE & STANDARD

| | |
|---------------------------|----------------|
| Design Code: | API 623 |
| Face to Face Dimensional: | ASME B16.10 |
| Fire Testing: | API 6FA |
| Pressure Testing: | As per API 598 |

DESIGN DATA



| | |
|---------------------|--------------------------------|
| Pressure Rating: | 300# |
| Design Pressure: | 47.7 BARG |
| Design Temperature: | 155 °C |
| Body Construction: | Casting |
| Trim Construction: | Casting |
| End Connection: | FLGD (In acc. with ASME B16.5) |
| Finishing: | RF |

MATERIAL

| | |
|----------------|--|
| Body/Bonnet | ASTM A216 WCB |
| Trim | 18Cr-8Ni-Mo/Stellite 6(Trim No. 12) |
| Cover/Bonnet: | BB |
| Stem: | 18Cr-8Ni-Mo |
| Disc Seat: | 18Cr-8Ni-Mo |
| Body Seat: | Stellite 6 |
| Packing: | STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING |
| Gland: | |
| 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. Valves shall be fully painted at vendor shop as per BK-GNRL-PEDCO-000-PI-SP-0006.
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 سطح الارض</p> <p>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> |  | | | | | | | |
| <p>شماره پیمان:</p> | <p>DATA SHEETS FOR MANUAL VALVES</p> | | | | | | | | <p>شماره صفحه: ۴۳ از ۷۰</p> |
| <p>۰۵۳ - ۰۷۳ - ۹۱۸۴</p> | <p>پروژه</p> | <p>بسته کاری</p> | <p>صادر کننده</p> | <p>تسهیلات</p> | <p>رشته</p> | <p>نوع مدرک</p> | <p>سریال</p> | <p>نسخه</p> | |
| | <p>BK</p> | <p>GCS</p> | <p>PEDCO</p> | <p>120</p> | <p>PI</p> | <p>DT</p> | <p>0002</p> | <p>D03</p> | |
| <p>TAG NO: MV-GLB-C03S-HO</p> | | | | | | | | | |
| <p>GENERAL DATA</p> | | | | | | | | | |
| <p>Type of Valve: Pattern: Valve Size Range: Piping Class & C.A: NACE MR0175/ISO15156 Compliance</p> | <p>Globe OS&Y, SWIVEL PLUG DISC, H.W.OP 2 ~ 6 inch CS00 & C.A: 0 Yes</p> | | | | | | | | |
| <p>CODE & STANDARD</p> | | | | | | | | | |
| <p>Design Code: Face to Face Dimensional: Fire Testing: Pressure Testing:</p> | <p>API 623 ASME B16.10 API 6FA As per API 598</p> | | | | | | | | |
| <p>DESIGN DATA</p> | | | | | | | | | |
| <p>Pressure Rating: Design Pressure: Design Temperature: Body Construction: Trim Construction: End Connection: Finishing:</p> | <p>300# 30.3 BARG 155 °C Casting Casting FLGD (In acc. with ASME B16.5) RF</p> | | | | | | | | |
| <p>MATERIAL</p> | | | | | | | | | |
| <p>Body/Bonnet Trim Cover/Bonnet: Stem: Disc Seat: Body Seat: Packing: Gland: Bolt & Nut: Bonnet Gasket:</p> | <p>ASTM A351 CF3M 18Cr-8Ni-Mo(Trim No. 10) BB 18Cr-8Ni-Mo 18Cr-8Ni-Mo 18Cr-8Ni-Mo STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING VTA ASTM A193 Gr.B8M/ASTM A194 Gr.8M VTA</p> | | | | | | | | |
| <p>General Note:</p> <ol style="list-style-type: none"> 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. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs. 9. Material for "Process Gas and Close drain" Service of "AS00, CS00 & FS00" Classes shall be in compliance with "NACE MR 0175 / ISO 15156 Std." For "Chemical" service, there is no need for "NACE MR 0175 / ISO 15156 Std." requirements. | | | | | | | | | |



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 | تسهیلات | رشته | نوع مدرک | سریال | نسخه |
| BK | GCS | PEDCO | 120 | PI | DT | 0002 | D03 |

شماره صفحه: ۴۴ از ۷۰

TAG NO: MV-GLB-C03-GO

GENERAL DATA

| | |
|---------------------------------|---------------------------------|
| Type of Valve: | Globe |
| Pattern: | OS&Y, SWIVEL PLUG DISC, Gear.OP |
| Valve Size Range: | 8 ~ 12 inch |
| Piping Class & C.A: | CN05 & CN07 & C.A: 6 |
| NACE MR0175/ISO15156 Compliance | Yes |

CODE & STANDARD

| | |
|---------------------------|----------------|
| Design Code: | API 623 |
| Face to Face Dimensional: | ASME B16.10 |
| Fire Testing: | API 6FA |
| Pressure Testing: | As per API 598 |

DESIGN DATA

| | |
|---------------------|-----------|
| Pressure Rating: | 300# |
| Design Pressure: | 47.7 BARG |
| Design Temperature: | 155 °C |
| Body Construction: | Casting |
| Trim Construction: | Casting |
| End Connection: | FLGD |
| Finishing: | RF |

MATERIAL

| | |
|----------------|---|
| Body/Bonnet | ASTM A216 WCB |
| Trim | 18Cr-8Ni-Mo/Stellite 6(Trim No. 12) |
| Cover/Bonnet: | BB |
| Stem: | 18Cr-8Ni-Mo |
| Disc Seat: | 18Cr-8Ni-Mo |
| Body Seat: | Stellite 6 |
| 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. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.
9. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.



تجهاد است و افزايش توليد ميدان نفتي بينک
سطح الارض

احداث رديف تراکم گاز در ايستگاه جمع آوري بينک



شماره پيمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

DATA SHEETS FOR MANUAL VALVES

| | | | | | | | |
|-------|-----------|-----------|---------|------|----------|-------|------|
| پروژه | بسته کاري | صادرکننده | تسهيلات | رشته | نوع مدرک | سريال | نسخه |
| BK | GCS | PEDCO | 120 | PI | DT | 0002 | D03 |

شماره صفحه: ۴۵ از ۷۰

TAG NO: MV-GLB-C06-HO

GENERAL DATA

| | |
|---------------------------------|--------------------------------|
| Type of Valve: | Globe |
| Pattern: | OS&Y, SWIVEL PLUG DISC, H.W.OP |
| Valve Size Range: | 2 ~ 4 inch |
| Piping Class & C.A: | FN05 & FN07 & C.A: 6 |
| NACE MR0175/ISO15156 Compliance | Yes |

CODE & STANDARD

| | |
|---------------------------|----------------|
| Design Code: | API 623 |
| 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 BARG |
| Design Temperature: | ## °C |
| Body Construction: | Casting |
| Trim Construction: | Casting |
| End Connection: | FLGD (In acc. with ASME B16.5) |
| Finishing: | RF |



MATERIAL



| | |
|----------------|---|
| Body/Bonnet | ASTM A216 WCB |
| Trim | 18Cr-8Ni-Mo/Stellite 6(Trim No. 12) |
| Cover/Bonnet: | BB |
| Stem: | 18Cr-8Ni-Mo |
| Disc Seat: | 18Cr-8Ni-Mo |
| Body Seat: | Stellite 6 |
| 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. Valves shall be fully painted at vendor shop as per BK-GNRRAL-PEDCO-000-PI-SP-0006.
9. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.

| | | | | | | | | |
|---|--|------------------|-------------------|----------------|-------------|-----------------|--------------|---|
|  <p>NISOC</p> | <p>تجهاد است و افزایش تولید میدان نفتی بینک سطح الارض</p> <p>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> | | | | | | |  |
| <p>شماره پیمان:</p> | <p>DATA SHEETS FOR MANUAL VALVES</p> | | | | | | | <p>شماره صفحه: ۷۰ از ۴۶</p> |
| <p>۰۵۳ - ۰۷۳ - ۹۱۸۴</p> | <p>پروژه</p> | <p>بسته کاری</p> | <p>صادر کننده</p> | <p>تسهیلات</p> | <p>رشته</p> | <p>نوع مدرک</p> | <p>سریال</p> | <p>نسخه</p> |
| | <p>BK</p> | <p>GCS</p> | <p>PEDCO</p> | <p>120</p> | <p>PI</p> | <p>DT</p> | <p>0002</p> | <p>D03</p> |
| <p>TAG NO: MV-GLB-C06S-HO</p> | | | | | | | | |
| <p>GENERAL DATA</p> | | | | | | | | |
| <p>Type of Valve: Pattern: Valve Size Range: Piping Class & C.A: NACE MR0175/ISO15156 Compliance</p> | <p>Globe OS&Y, SWIVEL PLUG DISC, H.W.OP 2 ~ 4 inch FS00 & C.A: 0 Yes</p> | | | | | | | |
| <p>CODE & STANDARD</p> | | | | | | | | |
| <p>Design Code: Face to Face Dimensional: Fire Testing: Pressure Testing:</p> | <p>API 623 ASME B16.10 API 6FA As per API 598</p> | | | | | | | |
| <p>DESIGN DATA</p> | | | | | | | | |
| <p>Pressure Rating: Design Pressure: Design Temperature: Body Construction: Trim Construction: End Connection: Finishing:</p> | <p>600# 62.4 BARG 175 °C Casting Casting FLGD (In acc. with ASME B16.5) RF</p> | | | | | | | |
| <p>MATERIAL</p> | | | | | | | | |
| <p>Body/Bonnet Trim Cover/Bonnet: Stem: Disc Seat: Body Seat: Packing: Gland: Bolt & Nut: Bonnet Gasket:</p> | <p>ASTM A351 CF3M 18Cr-8Ni-Mo(Trim No. 10) BB 18Cr-8Ni-Mo 18Cr-8Ni-Mo 18Cr-8Ni-Mo STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING VTA ASTM A193 Gr.B8M/ASTM A194 Gr.8M VTA</p> | | | | | | | |
| <p>General Note:</p> <ol style="list-style-type: none"> 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. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs. 9. Material for "Process Gas and Close drain" Service of "AS00, CS00 & FS00" Classes shall be in compliance with "NACE MR 0175 / ISO 15156 Std." For "Chemical" service, there is no need for "NACE MR 0175 / ISO 15156 Std." requirements. | | | | | | | | |

| | | | | | | | | | |
|--|--|---|-----------|---------|------|----------|-------|------|----------------------|
|  <p>NISOC</p> | <p>نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض</p> <p>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> |  | | | | | | | |
| شماره پیمان: | DATA SHEETS FOR MANUAL VALVES | | | | | | | | شماره صفحه: ۷۰ از ۷۰ |
| ۰۵۳ - ۰۷۳ - ۹۱۸۴ | پروژه | بسته کاری | صادرکننده | تسهیلات | رشته | نوع مدرک | سریال | نسخه | |
| | BK | GCS | PEDCO | 120 | PI | DT | 0002 | D03 | |
| TAG NO: MV-GLB-C06-GO | | | | | | | | | |
| GENERAL DATA | | | | | | | | | |
| Type of Valve: Pattern: Valve Size Range: Piping Class & C.A: NACE MR0175/ISO15156 Compliance | Globe OS&Y, SWIVEL PLUG DISC, Gear.OP 6 ~ 12 inch FN05 & FN07 & C.A: 6 Yes | | | | | | | | |
| CODE & STANDARD | | | | | | | | | |
| Design Code: Face to Face Dimensional: Fire Testing: Pressure Testing: | API 623 ASME B16.10 API 6FA As per API 598 | | | | | | | | |
| DESIGN DATA | | | | | | | | | |
| Pressure Rating: Design Pressure: Design Temperature: Body Construction: Trim Construction: End Connection: Finishing: | 600# 90 BARG 175 °C Casting Casting FLGD (In acc. with ASME B16.5) RF | | | | | | | | |
| MATERIAL | | | | | | | | | |
| Body/Bonnet Trim Cover/Bonnet: Stem: Disc Seat: Body Seat: Packing: Gland: Bolt & Nut: Bonnet Gasket: | ASTM A216 WCB 18Cr-8Ni-Mo/Stellite 6(Trim No. 12) BB 18Cr-8Ni-Mo 18Cr-8Ni-Mo Stellite 6 STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING VTA ASTM A193 Gr.B7M/ASTM A194 Gr.2HM VTA | | | | | | | | |
| General Note: | | | | | | | | | |
| <ol style="list-style-type: none"> 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. Valves shall be fully painted at vendor shop as per BK-GNRL-PEDCO-000-PI-SP-0006. 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 سطح الارض</p> <p>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> |  | | | | | | | |
| شماره پیمان: | DATA SHEETS FOR MANUAL VALVES | | | | | | | | شماره صفحه: ۴۸ از ۷۰ |
| ۰۵۳ - ۰۷۳ - ۹۱۸۴ | پروژه | بسته کاری | صادرکننده | تسهیلات | رشته | نوع مدرک | سریال | نسخه | |
| | BK | GCS | PEDCO | 120 | PI | DT | 0002 | D03 | |
| TAG NO: MV-GLB-C06S-GO | | | | | | | | | |
| GENERAL DATA | | | | | | | | | |
| Type of Valve: Pattern: Valve Size Range: Piping Class & C.A: NACE MR0175/ISO15156 Compliance | Globe OS&Y, SWIVEL PLUG DISC, Gear.OP 6~12 inch FS00 & C.A: 0 Yes | | | | | | | | |
| CODE & STANDARD | | | | | | | | | |
| Design Code: Face to Face Dimensional: Fire Testing: Pressure Testing: | API 623 ASME B16.10 API 6FA As per API 598 | | | | | | | | |
| DESIGN DATA | | | | | | | | | |
| Pressure Rating: Design Pressure: Design Temperature: Body Construction: Trim Construction: End Connection: Finishing: | 600# 62.4 BARG 175 °C Casting Casting FLGD (In acc. with ASME B16.5) RF | | | | | | | | |
| MATERIAL | | | | | | | | | |
| Body/Bonnet Trim Cover/Bonnet: Stem: Disc Seat: Body Seat: Packing: Gland: Bolt & Nut: Bonnet Gasket: | ASTM A351 CF3M 18Cr-8Ni-Mo(Trim No. 10) BB 18Cr-8Ni-Mo 18Cr-8Ni-Mo 18Cr-8Ni-Mo STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING VTA ASTM A193 Gr.8M/ASTM A194 Gr.8M VTA | | | | | | | | |
| General Note: <ol style="list-style-type: none"> Vendor shall confirm the selected material, and suggestions for other good materials are appreciated. Inner or outer leakage is not acceptable. 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. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified. All valve data sheets shall be confirmed by vendor. All valve shall have a fire-safe design. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs. Material for "Process Gas and Close drain" Service of "AS00, CS00 & FS00" Classes shall be in compliance with "NACE MR 0175 / ISO 15156 Std." For "Chemical" service, there is no need for "NACE MR 0175 / ISO 15156 Std." requirements. | | | | | | | | | |



تجهه‌داشت و افزایش تولید میدان نفتی بینک
سطح‌الارض

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک



شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

DATA SHEETS FOR MANUAL VALVES

| پروژه | بسته کاری | صادرکننده | تسهیلات | رشته | نوع مدرک | سریال | نسخه |
|-------|-----------|-----------|---------|------|----------|-------|------|
| BK | GCS | PEDCO | 120 | PI | DT | 0002 | D03 |

شماره صفحه: ۴۹ از ۷۰

TAG NO: MV-BAL-F08A

GENERAL DATA

| | |
|---------------------------------|--|
| Type of Valve: | Ball |
| Pattern: | Full Bore, Floating Ball, Wrench .OP, 2 Pieces |
| Valve Size Range: | 1/2 ~ 1 1/2 inch |
| Piping Class & C.A: | AN01 & C.A: 1 |
| NACE MR0175/ISO15156 Compliance | No |

CODE & STANDARD

| | |
|---------------------------|----------------------------|
| Design Code: | API 608 |
| Face to Face Dimensional: | ASME B16.10 |
| Fire Testing: | API 6FA |
| Pressure Testing: | API 6D (Preferred)/API 598 |

DESIGN DATA

| | |
|---------------------|---------------------------|
| Pressure Rating: | 800# |
| Design Pressure: | 18.2 BARG |
| Design Temperature: | 85 °C |
| Body Construction: | Forged |
| Trim Construction: | Forged (VTC) |
| End Connection: | SW & SW/FNPT |
| Finishing: | 2 Nipple at End (L=100mm) |

MATERIAL

| | |
|----------------|---|
| Body/Bonnet | ASTM A105 |
| Ball | 13Cr |
| Stem: | 13Cr |
| Seat: | PTFE |
| Seal: | Elast-o-Lion (VTC) |
| 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. Valves shall be fully painted at vendor shop as per BK-GNRL-PEDCO-000-PI-SP-0006.



تجهه‌داشت و افزايش توليد ميدان نفتي بينک
سطح الارض

احداث ردیف تراکم گاز در ايستگاه جمع آوری بينک



شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

DATA SHEETS FOR MANUAL VALVES

| نسخه | سریال | نوع مدرک | رشته | تسهيلات | صادرکننده | بسته کاری | پروژه |
|------|-------|----------|------|---------|-----------|-----------|-------|
| D03 | 0002 | DT | PI | 120 | PEDCO | GCS | BK |

شماره صفحه: ۷۰ از ۱۵۰

TAG NO: MV-BAL-F08B

GENERAL DATA

| | |
|---------------------------------|--|
| Type of Valve: | Ball |
| Pattern: | Full 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 |
| NACE MR0175/ISO15156 Compliance | Yes (Except for AN04) |

CODE & STANDARD

| | |
|---------------------------|----------------------------|
| Design Code: | API 608 |
| Face to Face Dimensional: | ASME B16.10 |
| Fire Testing: | API 6FA |
| Pressure Testing: | API 6D (Preferred)/API 598 |

DESIGN DATA

| | |
|---------------------|---------------------------|
| Pressure Rating: | 800# |
| Design Pressure: | 90 BARG |
| Design Temperature: | 175 °C |
| Body Construction: | Forged |
| Trim Construction: | Forged (VTC) |
| End Connection: | SW & SW/FNPT |
| Finishing: | 2 Nipple at End (L=100mm) |

MATERIAL

| | |
|----------------|---|
| Body/Bonnet | ASTM A105 |
| Ball | SS316 |
| Stem: | SS316 |
| Seat: | PTFE |
| Seal: | Elast-o-Lion (VTC) |
| 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. Valves shall be fully painted at vendor shop as per BK-GNRL-PEDCO-000-PI-SP-0006.



تنگهداشت 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 | تسهيلات | صادرکننده | بسته کاری | پروژه |
|------|-------|----------|------|---------|-----------|-----------|-------|
| D03 | 0002 | DT | PI | 120 | PEDCO | GCS | BK |

شماره صفحه: ۷۰ از ۵۱

TAG NO: MV-BAL-F08S

GENERAL DATA

| | |
|---------------------------------|--|
| Type of Valve: | Ball |
| Pattern: | Full 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 |
| NACE MR0175/ISO15156 Compliance | Yes |

CODE & STANDARD

| | |
|---------------------------|----------------------------|
| Design Code: | API 608 |
| Face to Face Dimensional: | ASME B16.10 |
| Fire Testing: | API 6FA |
| Pressure Testing: | API 6D (Preferred)/API 598 |

DESIGN DATA

| | |
|---------------------|---------------------------|
| Pressure Rating: | 800# |
| Design Pressure: | 62.4 BARG |
| Design Temperature: | 175 °C |
| Body Construction: | Forged |
| Trim Construction: | Forged (VTC) |
| End Connection: | SW |
| Finishing: | 2 Nipple at End (L=100mm) |

MATERIAL

| | |
|----------------|---|
| Body/Bonnet | ASTM A182 F316L |
| Ball | SS316 |
| Stem: | SS316 |
| Seat: | PTFE |
| Seal: | Elast-o-Lion (VTC) |
| 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. Material for "Process Gas and Close drain" Service of "AS00, CS00 & FS00" Classes shall be in compliance with "NACE MR 0175 / ISO 15156 Std." For "Chemical" service, there is no need for "NACE MR 0175 / ISO 15156 Std." requirements.



شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

نگهداشت و افزایش تولید میدان نفتی بینک
سطح الارض

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک



شماره صفحه: ۷۰ از ۵۲

DATA SHEETS FOR MANUAL VALVES

| | | | | | | | |
|-------|-----------|-----------|---------|------|----------|-------|------|
| پروژه | بسته کاری | صادرکننده | تسهیلات | رشته | نوع مدرک | سریال | نسخه |
| BK | GCS | PEDCO | 120 | PI | DT | 0002 | D03 |

TAG NO: MV-BAL-F08AZ

GENERAL DATA

| | |
|---------------------------------|--|
| Type of Valve: | Ball |
| Pattern: | Full Bore, Floating Ball, Wrench .OP, 2 Pieces |
| Valve Size Range: | 1/2 ~ 1 1/2 inch |
| Piping Class & C.A: | AZ00 & C.A: 0 |
| NACE MR0175/ISO15156 Compliance | No |

CODE & STANDARD

| | |
|---------------------------|----------------------------|
| Design Code: | API 608 |
| Face to Face Dimensional: | ASME B16.10 |
| Fire Testing: | API 6FA |
| Pressure Testing: | API 6D (Preferred)/API 598 |

DESIGN DATA

| | |
|---------------------|-----------|
| Pressure Rating: | 800# |
| Design Pressure: | 18.2 BARG |
| Design Temperature: | 85 °C |
| Body Construction: | Forged |
| End Connection: | NPT |
| Finishing: | TRD |

MATERIAL

| | |
|----------------|---|
| Body/Bonnet | ASTM B148 UNS C95800 |
| Ball | ASTM B148 UNS C95800 |
| Stem: | Aluminium Bronze |
| Seat: | PTFE |
| Seal: | Elast-o-Lion (VTC) |
| Body Seat: | ASTM B148 UNS C95800 |
| Packing: | STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING |
| Gland: | VTA |
| Bolt & Nut: | ASTM A193 Gr.B7/ASTM A194 Gr.2H (Galvanized) |
| 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.



شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

تجهیزات و افزایش تولید میدان نفتی بینک
سطح الارض

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES

| | | | | | | | |
|-------|-----------|-----------|---------|------|----------|-------|------|
| پروژه | بسته کاری | صادرکننده | تسهیلات | رشته | نوع مدرک | سریال | نسخه |
| BK | GCS | PEDCO | 120 | PI | DT | 0002 | D03 |



شماره صفحه: ۵۳ از ۷۰

TAG NO: MV-BAL-C08BZ

GENERAL DATA

| | |
|---------------------------------|---|
| Type of Valve: | Ball |
| Pattern: | Full/Reduced Bore, Floating Ball, Wrench .OP, 2 Pieces (Note 8) |
| Valve Size Range: | 2 inch |
| Piping Class & C.A: | AZ00 & C.A: 0 |
| NACE MR0175/ISO15156 Compliance | No |

CODE & STANDARD

| | |
|---------------------------|----------------------------|
| Design Code: | API 6D |
| Face to Face Dimensional: | ASME B16.10 |
| Fire Testing: | API 6FA |
| Pressure Testing: | API 6D (Preferred)/API 598 |

DESIGN DATA

| | |
|---------------------|-----------|
| Pressure Rating: | 150# |
| Design Pressure: | 18.2 BARG |
| Design Temperature: | 85 °C |
| Body Construction: | Casting |
| End Connection: | FLGD |
| Finishing: | RF |

MATERIAL

| | |
|----------------|---|
| Body/Bonnet | ASTM B148 UNS C95800 |
| Ball | ASTM B148 UNS C95800 |
| Stem: | Aluminium Bronze |
| Seat: | PTFE |
| Seal: | Elast-o-Lion (VTC) |
| Body Seat: | ASTM B148 UNS C95800 |
| Packing: | STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING |
| Gland: | VTA |
| Bolt & Nut: | ASTM A193 Gr.B7/ASTM A194 Gr.2H (Galvanized) |
| 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. Bore type (Full or Reduced) shall be in accordance with MTO for valves Document.No: BK-GCS-PEDCO-120-PI-MT-0004.



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 | تسهيلات | صادر کننده | بسته کاری | پروژه |
|------|-------|----------|------|---------|------------|-----------|-------|
| D03 | 0002 | DT | PI | 120 | PEDCO | GCS | BK |

شماره صفحه: ۰۴ از ۷۰

TAG NO: MV-BAL-C01AF-HO

GENERAL DATA

| | |
|---------------------------------|---|
| Type of Valve: | Ball |
| Pattern: | Full/Reduced Bore, Split Body, Floating Ball, Wrench .OP, 2 Pieces(Note 11) |
| Valve Size Range: | 2 |
| Piping Class & C.A: | AN01 & C.A: 1 |
| NACE MR0175/ISO15156 Compliance | No |

CODE & STANDARD

| | |
|---------------------------|----------------------------|
| Design Code: | API 6D/ASME B16.34 |
| Face to Face Dimensional: | ASME B16.10 |
| Fire Testing: | API 6FA |
| Pressure Testing: | API 6D (Preferred)/API 598 |

DESIGN DATA

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

MATERIAL

| | |
|----------------|---|
| Body/Bonnet | ASTM A216 WCB |
| Ball | 13Cr |
| Stem: | 13Cr |
| Seat: | PTFE |
| Seal: | Elast-o-Lion (VTC) |
| 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. Valves shall be fully painted at vendor shop as per BK-GNRL-PEDCO-000-PI-SP-0006.
9. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.
10. The body split shall be outside the plane of the stem protrusion
11. Bore type (Full or Reduced) shall be in accordance with MTO for valves Document.No: BK-GCS-PEDCO-120-PI-MT-0004.



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شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

DATA SHEETS FOR MANUAL VALVES

| نسخه | سریال | نوع مدرک | رشته | تسهيلات | صادرکننده | بسته کاری | پروژه |
|------|-------|----------|------|---------|-----------|-----------|-------|
| D03 | 0002 | DT | PI | 120 | PEDCO | GCS | BK |

شماره صفحه: ۵۵ از ۷۰

TAG NO: MV-BAL-C01AT-HO

GENERAL DATA

| | |
|---------------------------------|---|
| Type of Valve: | Ball |
| Pattern: | Full/Reduced Bore, Split Body, Trunnion Mounted, Wrench .OP, 2 Pieces (Note 11) |
| Valve Size Range: | 3 ~ 6 inch |
| Piping Class & C.A.: | AN01 & C.A: 1 |
| NACE MR0175/ISO15156 Compliance | No |

CODE & STANDARD

| | |
|---------------------------|----------------------------|
| Design Code: | API 6D/ASME B16.34 |
| Face to Face Dimensional: | ASME B16.10 |
| Fire Testing: | API 6FA |
| Pressure Testing: | API 6D (Preferred)/API 598 |

DESIGN DATA

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

MATERIAL

| | |
|----------------|---|
| Body/Bonnet | ASTM A216 WCB |
| Ball | 13Cr |
| Stem: | 13Cr |
| Seat: | PTFE |
| Seal: | Elast-o-Lion (VTC) |
| 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. Valves shall be fully painted at vendor shop as per BK-GNRL-PEDCO-000-PI-SP-0006.
9. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.
10. The body split shall be outside the plane of the stem protrusion.
11. Bore type (Full or Reduced) shall be in accordance with MTO for valves Document.No: BK-GCS-PEDCO-120-PI-MT-0004.



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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 | D03 |

شماره صفحه: ۵۶ از ۷۰

TAG NO: MV-BAL-C01BF-HO

GENERAL DATA

| | |
|---------------------------------|--|
| Type of Valve: | Ball |
| Pattern: | Full/Reduced Bore, Split Body, Floating Ball, Wrench .OP, 2 Pieces (Note 11) |
| Valve Size Range: | 2 inch |
| Piping Class & C.A.: | AN04, AN05 & AN07 & C.A: 6 |
| NACE MR0175/ISO15156 Compliance | Yes (Except for AN04) |

CODE & STANDARD

| | |
|---------------------------|----------------------------|
| Design Code: | API 6D/ASME B16.34 |
| Face to Face Dimensional: | ASME B16.10 |
| Fire Testing: | API 6FA |
| Pressure Testing: | API 6D (Preferred)/API 598 |

DESIGN DATA

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

MATERIAL

| | |
|----------------|---|
| Body/Bonnet | ASTM A216 WCB |
| Ball | SS316 |
| Stem: | SS316 |
| Seat: | PTFE |
| Seal: | Elast-o-Lion (VTC) |
| 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. Valves shall be fully painted at vendor shop as per BK-GNRL-PEDCO-000-PI-SP-0006.
9. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.
10. The body split shall be outside the plane of the stem protrusion.
11. Bore type (Full or Reduced) shall be in accordance with MTO for valves Document.No: BK-GCS-PEDCO-120-PI-MT-0004.



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شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

DATA SHEETS FOR MANUAL VALVES

| نسخه | سریال | نوع مدرک | رشته | تسهيلات | صادرکننده | بسته کاری | پروژه |
|------|-------|----------|------|---------|-----------|-----------|-------|
| D03 | 0002 | DT | PI | 120 | PEDCO | GCS | BK |

شماره صفحه: ۵۷ از ۷۰

TAG NO: MV-BAL-C01BT-HO

GENERAL DATA

| | |
|---------------------------------|--|
| Type of Valve: | Ball |
| Pattern: | Full/Reduced Bore, Split Body, Trunnion Mounted, Wrench .OP, 2 Pieces (Note11) |
| Valve Size Range: | 3 ~ 6 inch |
| Piping Class & C.A: | AN04, AN05 & AN07 & C.A: 6 |
| NACE MR0175/ISO15156 Compliance | Yes (Except for AN04) |

CODE & STANDARD

| | |
|---------------------------|----------------------------|
| Design Code: | API 6D/ASME B16.34 |
| Face to Face Dimensional: | ASME B16.10 |
| Fire Testing: | API 6FA |
| Pressure Testing: | API 6D (Preferred)/API 598 |

DESIGN DATA

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

MATERIAL

| | |
|----------------|---|
| Body/Bonnet | ASTM A216 WCB |
| Ball | SS316 |
| Stem: | SS316 |
| Seat: | PTFE |
| Seal: | Elast-o-Lion (VTC) |
| 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. Valves shall be fully painted at vendor shop as per BK-GNRL-PEDCO-000-PI-SP-0006.
9. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.
10. The body split shall be outside the plane of the stem protrusion.
11. Bore type (Full or Reduced) shall be in accordance with MTO for valves Document.No: BK-GCS-PEDCO-120-PI-MT-0004.



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شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

DATA SHEETS FOR MANUAL VALVES

| پروژه | بسته کاری | صادرکننده | تسهیلات | رشته | نوع مدرک | سریال | نسخه |
|-------|-----------|-----------|---------|------|----------|-------|------|
| BK | GCS | PEDCO | 120 | PI | DT | 0002 | D03 |

شماره صفحه: ۵۸ از ۷۰

TAG NO: MV-BAL-C01SF-HO

GENERAL DATA

| | |
|---------------------------------|---|
| Type of Valve: | Ball |
| Pattern: | Full/Reduced Bore, Split Body, Floating Ball, Wrench .OP, 2 Pieces (Note10) |
| Valve Size Range: | 2 inch |
| Piping Class & C.A: | AS00 & C.A: 0 |
| NACE MR0175/ISO15156 Compliance | Yes |

CODE & STANDARD

| | |
|---------------------------|----------------------------|
| Design Code: | API 6D/ASME B16.34 |
| Face to Face Dimensional: | ASME B16.10 |
| Fire Testing: | API 6FA |
| Pressure Testing: | API 6D (Preferred)/API 598 |

DESIGN DATA

| | |
|---------------------|--------------------------------|
| Pressure Rating: | 150# |
| Design Pressure: | 13.9 BARG |
| Design Temperature: | 85 °C |
| Body Construction: | Casting |
| Trim Construction: | Casting |
| End Connection: | FLGD (In acc. with ASME B16.5) |
| Finishing: | RF |

MATERIAL

| | |
|----------------|---|
| Body/Bonnet | ASTM A351 CF3M |
| Ball | SS316 |
| Stem: | SS316 |
| Seat: | PTFE |
| Seal: | Elast-o-Lion (VTC) |
| 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. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.
9. The body split shall be outside the plane of the stem protrusion type (Full or Reduced) shall be in accordance with MTO for valves Document.No: BK-GCS-PEDCO-120-PI-MT-0004.
10. Bore
11. Material for "Process Gas and Close drain" Service of "AS00, CS00 & FS00" Classes shall be in compliance with "NACE MR 0175 / ISO 15156 Std." For "Chemical" service, there is no need for "NACE MR 0175 / ISO 15156 Std." requirements.



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شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

DATA SHEETS FOR MANUAL VALVES

| نسخه | سریال | نوع مدرک | رشته | تسهیلات | صادر کننده | بسته کاری | پروژه |
|------|-------|----------|------|---------|------------|-----------|-------|
| D03 | 0002 | DT | PI | 120 | PEDCO | GCS | BK |

شماره صفحه: ۵۹ از ۷۰

TAG NO: MV-BAL-C01ST-HO

GENERAL DATA

| | |
|---------------------------------|--|
| Type of Valve: | Ball |
| Pattern: | Full/Reduced Bore, Split Body, Trunnion Mounted, Wrench . OP, 2 Pieces (Note 10) |
| Valve Size Range: | 3 ~ 6 inch |
| Piping Class & C.A: | AS00 & C.A: 0 |
| NACE MR0175/ISO15156 Compliance | Yes |

CODE & STANDARD

| | |
|---------------------------|----------------------------|
| Design Code: | API 6D/ASME B16.34 |
| Face to Face Dimensional: | ASME B16.10 |
| Fire Testing: | API 6FA |
| Pressure Testing: | API 6D (Preferred)/API 598 |

DESIGN DATA

| | |
|---------------------|--------------------------------|
| Pressure Rating: | 150# |
| Design Pressure: | 13.9 BARG |
| Design Temperature: | 85 °C |
| Body Construction: | Casting |
| Trim Construction: | Casting |
| End Connection: | FLGD (In acc. with ASME B16.5) |
| Finishing: | RF |

MATERIAL

| | |
|----------------|---|
| Body/Bonnet | ASTM A351 CF3M |
| Ball | SS316 |
| Stem: | SS316 |
| Seat: | PTFE |
| Seal: | Elast-o-Lion (VTC) |
| Packing: | STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING |
| Gland: | VTA |
| Bolt & Nut: | ASTM A193 Gr.8M/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. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.
9. The body split shall be outside the plane of the stem protrusion.
10. Bore type (Full or Reduced) shall be in accordance with MTO for valves Document.No: BK-GCS-PEDCO-120-PI-MT-0004.
11. Material for "Process Gas and Close drain" Service of "AS00, CS00 & FS00" Classes shall be in compliance with "NACE MR 0175 / ISO 15156 Std." For "Chemical" service, there is no need for "NACE MR 0175 / ISO 15156 Std." requirements.



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|----------------------------------|-------------------------------|-----------|------------|---------|------|----------|-------|----------------------|
| شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴ | DATA SHEETS FOR MANUAL VALVES | | | | | | | شماره صفحه: ۷۰ از ۶۰ |
| | پروژه | بسته کاری | صادر کننده | تسهیلات | رشته | نوع مدرک | سریال | |
| | BK | GCS | PEDCO | 120 | PI | DT | 0002 | D03 |

TAG NO: MV-BAL-C01-GO

GENERAL DATA

| | |
|---------------------------------|--|
| Type of Valve: | Ball |
| Pattern: | Full/Reduced Bore, Split Body, Trunnion Mounted, Gear .OP (Note11) |
| Valve Size Range: | 8 ~ 10 inch → 2 Pieces 12 ~ 16 inch → 3 Pieces |
| Piping Class & C.A: | AN04, AN05 & AN07 & C.A: 6 |
| NACE MR0175/ISO15156 Compliance | Yes (Except for AN04) |

CODE & STANDARD

| | |
|---------------------------|----------------------------|
| Design Code: | API 6D/ASME B16.34 |
| Face to Face Dimensional: | ASME B16.10 |
| Fire Testing: | API 6FA |
| Pressure Testing: | API 6D (Preferred)/API 598 |

DESIGN DATA




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

MATERIAL

| | |
|----------------|--|
| Body/Bonnet | ASTM A216 WCB |
| Ball | SS316 |
| Stem: | SS316 |
| Seat: | PTFE |
| Seal: | Elast-o-Lion (VTC) |
| 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. Valves shall be fully painted at vendor shop as per BK-GNRL-PEDCO-000-PI-SP-0006.
9. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.
10. The body split shall be outside the plane of the stem protrusion.
11. Bore type (Full or Reduced) shall be in accordance with MTO for valves Document.No: BK-GCS-PEDCO-120-PI-MT-0004.

| | | | | | | | | |
|--|--|------------------|--------------------|----------------|---|----------------|---|-------------|
|  <p>NISOC</p> | <p>نگهداشت و افزایش تولید میدان نفتی بینک 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: ۷۰ از ۶۱ | |
| | پروژه BK | بسته کاری GCS | صادرکننده PEDCO | تسهیلات 120 | رشته PI | نوع مدرک DT | سریال 0002 | نسخه D03 |
| TAG NO: MV-BAL-C01S-GO | | | | | | | | |
| GENERAL DATA | | | | | | | | |
| Type of Valve: Pattern: Valve Size Range: Piping Class & C.A: NACE MR0175/ISO15156 Compliance | | | | | Ball Full/Reduced Bore, Split Body, Trunnion Mounted, Gear .OP (Note 10) 8 ~ 10 inch → 2 Pieces 12 ~ 16 inch → 3 Pieces AS00 & C.A: 0 Yes | | | |
| CODE & STANDARD | | | | | | | | |
| Design Code: Face to Face Dimensional: Fire Testing: Pressure Testing: | | | | | API 6D/ASME B16.34 ASME B16.10 API 6FA API 6D (Preferred)/API 598 | | | |
| DESIGN DATA | | | | | | | | |
| Pressure Rating: Design Pressure: Design Temperature: Body Construction: Trim Construction: End Connection: Finishing: | | | | | 150# 13.9 BARG 85 °C Casting Casting FLGD (In acc. with ASME B16.5) RF | | | |
| MATERIAL | | | | | | | | |
| Body/Bonnet Ball Stem: Seat: Seal: Body Seat: Packing: Gland: Bolt & Nut: Bonnet Gasket: | | | | | ASTM A351 CF3M SS316 SS316 PTFE Elast-o-Lion (VTC) PTFE STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING VTA ASTM A193 Gr. B8M/ASTM A194 Gr. 8M VTA | | | |
| <p>General Note:</p> <ol style="list-style-type: none"> 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. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs. 9. The body split shall be outside the plane of the stem protrusion. 10. Bore type (Full or Reduced) shall be in accordance with MTO for valves Document.No: BK-GCS-PEDCO-120-PI-MT-0004. 11. Material for "Process Gas and Close drain" Service of "AS00, CS00 & FS00" Classes shall be in compliance with "NACE MR 0175 / ISO 15156 Std." For "Chemical" service, there is no need for "NACE MR 0175 / ISO 15156 Std." requirements. | | | | | | | | |



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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 | D03 |

شماره صفحه: ۷۰ از ۶۲

TAG NO: MV-BAL-C03F-HO

GENERAL DATA

| | |
|---------------------------------|---|
| Type of Valve: | Ball |
| Pattern: | Full/Reduced Bore, Split Body, Floating Ball, Wrench .OP, 2 Piecess (Note 11) |
| Valve Size Range: | 2 inch |
| Piping Class & C.A: | CN05 & CN07 & C.A: 6 |
| NACE MR0175/ISO15156 Compliance | Yes |

CODE & STANDARD

| | |
|---------------------------|----------------------------|
| Design Code: | API 6D/ASME B16.34 |
| Face to Face Dimensional: | ASME B16.10 |
| Fire Testing: | API 6FA |
| Pressure Testing: | API 6D (Preferred)/API 598 |

DESIGN DATA

| | |
|---------------------|--------------------------------|
| Pressure Rating: | 300# |
| Design Pressure: | 47.7 BARG |
| Design Temperature: | 155 °C |
| Body Construction: | Casting |
| Trim Construction: | Casting |
| End Connection: | FLGD (In acc. with ASME B16.5) |
| Finishing: | RF |

MATERIAL

| | |
|----------------|--|
| Body/Bonnet | ASTM A216 WCB |
| Ball | SS316 |
| Stem: | SS316 |
| Seat: | PTFE |
| Seal: | Elast-o-Lion (VTC) |
| Packing: | STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING |
| Gland: | |
| 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. Valves shall be fully painted at vendor shop as per BK-GNRRAL-PEDCO-000-PI-SP-0006.
9. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.
10. The body split shall be outside the plane of the stem protrusion.
11. Bore type (Full or Reduced) shall be in accordance with MTO for valves Document.No: BK-GCS-PEDCO-120-PI-MT-0004.



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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 | D03 |

شماره صفحه: ۷۰ از ۶۳

TAG NO: MV-BAL-C03T-HO

GENERAL DATA

| | |
|---------------------------------|--|
| Type of Valve: | Ball |
| Pattern: | Full/Reduced Bore, Split Body, Trunnion Mounted, Wrench .OP, 2 Pieces (Note11) |
| Valve Size Range: | 3~4 inch |
| Piping Class & C.A: | CN05 & CN07 & C.A: 6 |
| NACE MR0175/ISO15156 Compliance | Yes |

CODE & STANDARD

| | |
|---------------------------|----------------------------|
| Design Code: | API 6D/ASME B16.34 |
| Face to Face Dimensional: | ASME B16.10 |
| Fire Testing: | API 6FA |
| Pressure Testing: | API 6D (Preferred)/API 598 |

DESIGN DATA



| | |
|---------------------|--------------------------------|
| Pressure Rating: | 300# |
| Design Pressure: | 47.7 BARG |
| Design Temperature: | 155 °C |
| Body Construction: | Casting |
| Trim Construction: | Casting |
| End Connection: | FLGD (In acc. with ASME B16.5) |
| Finishing: | RF |

MATERIAL

| | |
|----------------|--|
| Body/Bonnet | ASTM A216 WCB |
| Ball | SS316 |
| Stem: | SS316 |
| Seat: | PTFE |
| Seal: | Elast-o-Lion (VTC) |
| Packing: | STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING |
| Gland: | |
| Bolt & Nut: | ASTM A193 Gr. B7M/ASTM A194 Gr. 2HM |
| Bonnet Gasket: | VTA |

General Note:

- Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
- Inner or outer leakage is not acceptable.
- 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.
- Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
- Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
- All valve data sheets shall be confirmed by vendor.
- All valve shall have a fire-safe design.
- Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.
- Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.
- The body split shall be outside the plane of the stem protrusion.
- Bore type (Full or Reduced) shall be in accordance with MTO for valves Document.No: BK-GCS-PEDCO-120-PI-MT-0004.

| | | | | | | | | | |
|---|---|-----------|-----------|---------|------|----------|-------|---|------|
|  <p>NISOC</p> | <p>نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض</p> <p>احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> | | | | | | |  | |
| شماره پیمان: | DATA SHEETS FOR MANUAL VALVES | | | | | | | شماره صفحه: ۶۴ از ۷۰ | |
| ۰۵۳ - ۰۷۳ - ۹۱۸۴ | پروژه | بسته کاری | صادرکننده | تسهیلات | رشته | نوع مدرک | سریال | | نسخه |
| | BK | GCS | PEDCO | 120 | PI | DT | 0002 | | D03 |
| TAG NO: MV-BAL-C03SF-HO | | | | | | | | | |
| GENERAL DATA | | | | | | | | | |
| Type of Valve: Pattern: Valve Size Range: Piping Class & C.A: NACE MR0175/ISO15156 Compliance | Ball Full/Reduced Bore, Split Body, Floating Ball, Wrench .OP, 2Piece (Note 10) 2 inch CS00 & C.A: 0 Yes | | | | | | | | |
| CODE & STANDARD | | | | | | | | | |
| Design Code: Face to Face Dimensional: Fire Testing: Pressure Testing: | API 6D/ASME B16.34 ASME B16.10 API 6FA API 6D (Preferred)/API 598 | | | | | | | | |
| DESIGN DATA | | | | | | | | | |
| Pressure Rating: Design Pressure: Design Temperature: Body Construction: Trim Construction: End Connection: Finishing: | 300# 30.3 BARG 155 °C Casting Casting FLGD (In acc. with ASME B16.5) RF | | | | | | | | |
| MATERIAL | | | | | | | | | |
| Body/Bonnet Ball Stem: Seat: Seal: Packing: Gland: Bolt & Nut: Bonnet Gasket: | ASTM A351 CF3M SS316 SS316 PTFE Elast-o-Lion (VTC) STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING ASTM A193 Gr. B8M/ASTM A194 Gr. 8M VTA | | | | | | | | |
| <p>General Note:</p> <ol style="list-style-type: none"> 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. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs. 9. The body split shall be outside the plane of the stem protrusion. 10. Bore type 11. Material for "Process Gas and Close drain" Service of "AS00, CS00 & FS00" Classes shall be in compliance with "NACE MR 0175 / ISO 15156 Std." For "Chemical" service, there is no need for "NACE MR 0175 / ISO 15156 Std." requirements. | | | | | | | | | |



نگهداشت و افزایش تولید میدان نفتی بینک
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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 | D03 |

شماره صفحه: ۷۰ از ۶۵

TAG NO: MV-BAL-C03ST-HO

GENERAL DATA

| | |
|---------------------------------|---|
| Type of Valve: | Ball |
| Pattern: | Full/Reduced Bore, Split Body, Trunnion Mounted, Wrench .OP, 2 Pieces (Note 10) |
| Valve Size Range: | 3~4 inch |
| Piping Class & C.A.: | CS00 & C.A: 0 |
| NACE MR0175/ISO15156 Compliance | Yes |

CODE & STANDARD

| | |
|---------------------------|----------------------------|
| Design Code: | API 6D/ASME B16.34 |
| Face to Face Dimensional: | ASME B16.10 |
| Fire Testing: | API 6FA |
| Pressure Testing: | API 6D (Preferred)/API 598 |

DESIGN DATA

| | |
|---------------------|--------------------------------|
| Pressure Rating: | 300# |
| Design Pressure: | 30.3 BARG |
| Design Temperature: | 155 °C |
| Body Construction: | Casting |
| Trim Construction: | Casting |
| End Connection: | FLGD (In acc. with ASME B16.5) |
| Finishing: | RF |

MATERIAL

| | |
|----------------|--|
| Body/Bonnet | ASTM A351 CF3M |
| Ball | SS316 |
| Stem: | SS316 |
| Seat: | PTFE |
| Seal: | Elast-o-Lion (VTC) |
| Packing: | STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING |
| Gland: | |
| Bolt & Nut: | ASTM A193 Gr. B8M/ASTM A194 Gr. 8M |
| Bonnet Gasket: | VTA |

General Note:

- Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
- Inner or outer leakage is not acceptable.
- 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.
- Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
- Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
- All valve data sheets shall be confirmed by vendor.
- All valve shall have a fire-safe design.
- Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.
- The body split shall be outside the plane of the stem protrusion.
- Bore type (Full or Reduced) shall be in accordance with MTO for valves Document.No: BK-GCS-PEDCO-120-PI-MT-0004.
- Material for "Process Gas and Close drain" Service of "AS00, CS00 & F500" Classes shall be in compliance with "NACE MR 0175 / ISO 15156 Std." For "Chemical" service, there is no need for "NACE MR 0175 / ISO 15156 Std." requirements.



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

| نسخه | سریال | نوع مدرک | رشته | تسهیلات | صادرکننده | بسته کاری | پروژه |
|------|-------|----------|------|---------|-----------|-----------|-------|
| D03 | 0002 | DT | PI | 120 | PEDCO | GCS | BK |

شماره صفحه: ۶۶ از ۷۰

TAG NO: MV-BAL-C06-HO

GENERAL DATA

| | |
|---------------------------------|--|
| Type of Valve: | Ball |
| Pattern: | Full/Reduced Bore, Split Body, Trunnion Mounted, Wrench .OP, 3 Pieces (Note11) |
| Valve Size Range: | 2 ~ 3 inch |
| Piping Class & C.A: | FN05 & FN07 & C.A: 6 |
| NACE MR0175/ISO15156 Compliance | Yes |

CODE & STANDARD

| | |
|---------------------------|----------------------------|
| Design Code: | API 6D/ASME B16.34 |
| Face to Face Dimensional: | ASME B16.10 |
| Fire Testing: | API 6FA |
| Pressure Testing: | API 6D (Preferred)/API 598 |

DESIGN DATA

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

MATERIAL

| | |
|----------------|--|
| Body/Bonnet | ASTM A216 WCB |
| Ball | SS316 |
| Stem: | SS316 |
| Seat: | PTFE |
| Seal: | Elast-o-Lion (VTC) |
| Packing: | STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING |
| Gland: | |
| 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. Valves shall be fully painted at vendor shop as per BK-GNRAI-PEDCO-000-PI-SP-0006.
9. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.
10. The body split shall be outside the plane of the stem protrusion.
11. Bore type (Full or Reduced) shall be in accordance with MTO for valves Document.No: BK-GCS-PEDCO-120-PI-MT-0004.



شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

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شماره صفحه: ۷۰ از ۱۶۷

DATA SHEETS FOR MANUAL VALVES

| | | | | | | | |
|-------|-----------|-----------|---------|------|----------|-------|------|
| پروژه | بسته کاری | صادرکننده | تسهيلات | رشته | نوع مدرک | سریال | نسخه |
| BK | GCS | PEDCO | 120 | PI | DT | 0002 | D03 |

TAG NO: MV-BAL-C06-GO

GENERAL DATA

| | |
|---------------------------------|---|
| Type of Valve: | Ball |
| Pattern: | Full/Reduced Bore, Split Body, Trunnion Mounted, Gear .OP, 3 Pieces (Note 11) |
| Valve Size Range: | 4 ~ 10 inch |
| Piping Class & C.A.: | FN05 & FN07 & C.A: 6 |
| NACE MR0175/ISO15156 Compliance | Yes |

CODE & STANDARD

| | |
|---------------------------|----------------------------|
| Design Code: | API 6D/ASME B16.34 |
| Face to Face Dimensional: | ASME B16.10 |
| Fire Testing: | API 6FA |
| Pressure Testing: | API 6D (Preferred)/API 598 |

DESIGN DATA

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

MATERIAL

| | |
|----------------|--|
| Body/Bonnet | ASTM A216 WCB |
| Ball | SS316 |
| Stem: | SS316 |
| Seat: | PTFE |
| Seal: | Elast-o-Lion (VTC) |
| Packing: | STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING |
| Gland: | |
| 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. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.
9. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.
10. The body split shall be outside the plane of the stem protrusion.
11. Bore type (Full or Reduced) shall be in accordance with MTO for valves Document.No: BK-GCS-PEDCO-120-PI-MT-0004.



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شماره پیمان:

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DATA SHEETS FOR MANUAL VALVES

| پروژه | بسته کاری | صادرکننده | تسهیلات | رشته | نوع مدرک | سریال | نسخه |
|-------|-----------|-----------|---------|------|----------|-------|------|
| BK | GCS | PEDCO | 120 | PI | DT | 0002 | D03 |

شماره صفحه: ۷۰ از ۶۸

TAG NO: MV-BAL-C06S-HO

GENERAL DATA

| | |
|---------------------------------|---|
| Type of Valve: | Ball |
| Pattern: | Full/Reduced Bore, Split Body, Trunnion Mounted, Wrench .OP, 3 Pieces (Note 10) |
| Valve Size Range: | 2 ~ 3 inch |
| Piping Class & C.A.: | FS00 & C.A: 0 |
| NACE MR0175/ISO15156 Compliance | Yes |

CODE & STANDARD

| | |
|---------------------------|----------------------------|
| Design Code: | API 6D/ASME B16.34 |
| Face to Face Dimensional: | ASME B16.10 |
| Fire Testing: | API 6FA |
| Pressure Testing: | API 6D (Preferred)/API 598 |

DESIGN DATA

| | |
|---------------------|--------------------------------|
| Pressure Rating: | 600# |
| Design Pressure: | 62.4 BARG |
| Design Temperature: | 175 °C |
| Body Construction: | Casting |
| Trim Construction: | Casting |
| End Connection: | FLGD (In acc. with ASME B16.5) |
| Finishing: | RF |

MATERIAL

| | |
|----------------|--|
| Body/Bonnet | ASTM A351 CF3M |
| Ball | SS316 |
| Stem: | SS316 |
| Seat: | PTFE |
| Seal: | Elast-o-Lion (VTC) |
| Packing: | STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING |
| Gland: | |
| Bolt & Nut: | ASTM A193 Gr.8.8M/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. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.
9. The body split shall be outside the plane of the stem protrusion.
10. Bore type (Full or Reduced) shall be in accordance with MTO for valves Document.No: BK-GCS-PEDCO-120-PI-MT-0004.
11. Material for "Process Gas and Close drain" Service of "AS00, CS00 & FS00" Classes shall be in compliance with "NACE MR 0175 / ISO 15156 Std." For "Chemical" service, there is no need for "NACE MR 0175 / ISO 15156 Std." requirements.



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شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

DATA SHEETS FOR MANUAL VALVES

| پروژه | بسته کاری | صادرکننده | تسهیلات | رشته | نوع مدرک | سریال | نسخه |
|-------|-----------|-----------|---------|------|----------|-------|------|
| BK | GCS | PEDCO | 120 | PI | DT | 0002 | D03 |

شماره صفحه: ۷۰ از ۶۹

TAG NO: MV-BAL-C06S-GO

GENERAL DATA

| | |
|---------------------------------|---|
| Type of Valve: | Ball |
| Pattern: | Full/Reduced Bore, Split Body, Trunnion Mounted, Gear .OP, 3 Pieces (Note 10) |
| Valve Size Range: | 4 ~ 8 inch |
| Piping Class & C.A.: | FS00 & C.A: 0 |
| NACE MR0175/ISO15156 Compliance | Yes |

CODE & STANDARD

| | |
|---------------------------|----------------------------|
| Design Code: | API 6D/ASME B16.34 |
| Face to Face Dimensional: | ASME B16.10 |
| Fire Testing: | API 6FA |
| Pressure Testing: | API 6D (Preferred)/API 598 |

DESIGN DATA



| | |
|---------------------|--------------------------------|
| Pressure Rating: | 600# |
| Design Pressure: | 62.4 BARG |
| Design Temperature: | 175 °C |
| Body Construction: | Casting |
| Trim Construction: | Casting |
| End Connection: | FLGD (In acc. with ASME B16.5) |
| Finishing: | RF |

MATERIAL

| | |
|----------------|--|
| Body/Bonnet | ASTM A351 CF3M |
| Ball | SS316 |
| Stem: | SS316 |
| Seat: | PTFE |
| Seal: | Elast-o-Lion (VTC) |
| Packing: | STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING |
| Gland: | |
| Bolt & Nut: | ASTM A193 Gr.8.8M/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. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.
9. The body split shall be outside the plane of the stem protrusion.
10. Bore type (Full or Reduced) shall be in accordance with MTO for valves Document.No: BK-GCS-PEDCO-120-PI-MT-0004.
11. Material for "Process Gas and Close drain" Service of "AS00, CS00 & FS00" Classes shall be in compliance with "NACE MR 0175 / ISO 15156 Std." For "Chemical" service, there is no need for "NACE MR 0175 / ISO 15156 Std." requirements.

| | | | | | | | | |
|---|--|-----------|------------|---------|------|----------|-------|---|
|  | <p style="text-align: center;">نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض</p> <p style="text-align: center;">احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> | | | | | | |  |
| شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴ | DATA SHEETS FOR MANUAL VALVES | | | | | | | شماره صفحه: ۷۰ از ۷۰ |
| | پروژه | بسته کاری | صادر کننده | تسهیلات | رشته | نوع مدرک | سریال | نسخه |
| | BK | GCS | PEDCO | 120 | PI | DT | 0002 | D03 |
| TAG NO: MV-BUT-C01-HO | | | | | | | | |
| GENERAL DATA | | | | | | | | |
| Type of Valve: Pattern: Valve Size Range: Piping Class & C.A: NACE MR0175/ISO15156 Compliance | Butterfly Lug Type, Center Line Seat, H.W.OP 1 ~ 4 inch AX01 & C.A: 0 No | | | | | | | |
| CODE & STANDARD | | | | | | | | |
| Design Code: Face to Face Dimensional: Fire Testing: Pressure Testing: | API 609/CAT A API 609 API 6FA API 598 | | | | | | | |
| DESIGN DATA | | | | | | | | |
| Pressure Rating: Design Pressure: Design Temperature: Body Construction: Trim Construction: End Connection: Finishing: | 150# 18.2 BARG 85 °C Casting Casting FLGD (In acc. with ASME B16.5), FF RF | | | | | | | |
| MATERIAL | | | | | | | | |
| Body/Cover Trim shaft Disc Seat: Body Seat: Packing: Gland: Bolt & Nut: Bonnet Gasket: | A 216 WCB 13Cr 13 Cr 13 Cr PTFE STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING VTA VTA | | | | | | | |
| General Note: <ol style="list-style-type: none"> Vendor shall confirm the selected material, and suggestions for other good materials are appreciated. Inner or outer leakage is not acceptable. 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. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified. All valve data sheets shall be confirmed by vendor. All valve shall have a fire-safe design. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs. | | | | | | | | |