







احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES

بسته کاری شماره پیمان: پروژه صادر كننده تسهيلات نوع مدرک نسخه .04 - . 14 - 4114 PEDCO BK GCS 120 Ы 0002 DT D04

شماره صفحه: ۱ از ۷۰

نگهداشت و افزایش تولید میدان نفتی بینک

DATA SHEETS FOR MANUAL VALVES

نگهداشت و افزایش تولید میدان نفتی بینک

Class: 1	•	CLIENT Doc. Number: F0Z-70	8885	•		
Rev.	Date	Purpose of Issue / Status	Prepared by:	Checked by:	Approved by:	CLIENT Approval
D00	JUL.2022	IFC	F.Mosayebnejad	M.Fakharian	M.Mehrshad	
D01	FEB.2023	IFA	M.Noori	M.Fakharian	M.Mehrshad	
D02	AUG.2023	IFA	M.Noori	M.Fakharian	A.M.Mohseni	
D03	FEB.2024	IFA	M.Noori	M.Fakharian	S.Faramarzpour	
D04	APR.2024	AFC	M.Noori	M.Fakharian	S.Faramarzpour	

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











D04

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES

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· 24 - · 14 - 4 14 +	BK	GCS	PEDCO	120	PI	DT	0002	D04

شماره صفحه: ۲ از ۷۰

REVISION RECORD SHEET

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احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: ۔ سته کاري .04 - .14 - 4114 صادر كننده تسهيلات ر شته

پروژه نوع مدرک سريال نسخه ΒK **GCS PEDCO** 120 Ы DT 0002 D04

شماره صفحه : ۱۳ از ۷۰

TAG NO: MV-CHK-F08A

GENERAL DATA

Type of Valve: Check Pattern: Piston Lift Type 1/2 ~ 1 1/2 inch Valve Size Range: 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

800# Pressure Rating: 18.2 BARG Design Pressure: 85 °C Design Temperature: **Body Construction:** Forged End Connection: SW

MATERIAL

NA

NA

Body/Cover ASTM A105 Trim 13Cr + Stellite 6 (Trim No.8) Cover вС NA Stem: Disc Seat: 13Cr **Body Seat:** Stellite 6 Packing: NA

Bolt & Nut: ASTM A193 Gr.B7/ASTM A194 Gr.2H

Gasket Bonnet: VTA

General Note:

Gland:

Finishing:

- 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.







احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:								
•04 - • • • • • • • • • • • • • • • • • •	پروژه	بسته کاری	صادر کننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه
	BK	GCS	PEDCO	120	PI	DT	0002	D04

شماره صف**ح**ه :٤ از ٧٠

TAG NO: MV-CHK-F08B GENERAL DATA Type of Valve: Check Piston Lift Type Pattern: 1/2 ~ 1 1/2 inch Valve Size Range: AN04, AN05, AN07, CN05, CN07, FN05 & FN07 & C.A: 6 Piping Class & C.A: NACE MR0175/ISO15156 Compliance Yes (Excpet for AN04) **CODE & STANDARD** API 602 Design Code: **ASME B16.10** Face to Face Dimensional: Fire Testing: API 6FA Pressure Testing: As per API 598 **DESIGN DATA** 800# Pressure Rating: Design Pressure: 90 BARG 175 °C Design Temperature: **Body Construction:** Forged SW End Connection: NA Finishing: **MATERIAL** Body/Cover ASTM A105 Trim 18Cr-8Ni-Mo/Stellite 6 (Trim No. 12) Cover/Bonnet: вс Stem: NA Disc Seat: 18Cr-8Ni-Mo **Body Seat:** Stellite 6 Packing: NA Gland: NA

Gasket Bonnet: General Note:

Bolt & Nut:

- 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.

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

- 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.







احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

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	BK	GCS	PEDCO	120	PI	DT	0002	D04

شماره صفحه :٥ از ٧٠

TAG NO: MV-CHK-F08S

GENERAL DAT	A
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 & STANDA	ARD
Design Code:	API 602
Face to Face Dimensional:	ASME B16.10
Fire Testing:	API 6FA
Pressure Testing:	As per API 598
DESIGN DATA	A Company of the Comp
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.B8M/ASTM A194 Gr.8M
Gasket Bonnet:	VTA
	-

General Note:

- 1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
- 2.Inner or outer leakage is not acceptable.
- 3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.

- 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 صفحه : ۱ از ۷۰

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان: DATA SHEETS FOR MANUAL VALVES .04 - . 74 - 9114 پروژه بسته کاري صادر كننده تسهيلات نوع مدرک سر يال نسخه BK **GCS PEDCO** 120 Ы DT 0002 D04

| ___

TAG NO: MV-CHK-F08AZ

TAG NO. INV	JIK-I VOAL
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 & STA	NDARD
Design Code:	MSS SP-80
Face to Face Dimensional:	ASME B16.10
Fire Testing:	API 6FA
Pressure Testing:	As per API 598
DESIGN I	DATA
Pressure Rating:	800#
Design Pressure:	18.2 BARG
Design Temperature:	85 °C
Body Construction:	Casting
End Connection:	NPT
Finishing:	TRD
MATER	IIAL
Body/Bonnet	ASTM B148 UNS C95800
Trim	ASTM B148 UNS C95800
Cover/Bonnet:	Screwed Bonnet
Stem:	NA
Disc Seat:	ASTM B148 UNS C95800

VTA

NA

NA

ASTM A193 Gr.B7/ASTM A194 Gr.2H (Galvanized)

Bonnet Gasket: General Note:

Body Seat:

Bolt & Nut:

Packing:

Gland:

- 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.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: صادر كننده .04 - . 74 - 9114 پروژه بسته کاري تسهيلات نوع مدرک سر يال نسخه BK **GCS PEDCO** 120 Ы DT 0002 D04

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 & STA	INDARD
Design Code:	API 594
Face to Face Dimensional:	ASME B16.10
Fire Testing:	API 6FA
Pressure Testing:	As per API 598
DESIGN I	DATA
Pressure Rating:	150#
Design Pressure:	18.2 BARG
Design Temperature:	85 °C
Body Construction:	Casting
End Connection:	FLGD
Finishing:	RF
MATER	IIAL
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

- 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.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:			DATA	SHEETS FOR	MANUAL V	ALVES		
.04 14 - 114	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه
	BK	GCS	PEDCO	120	PI	DT	0002	D04

شماره صفحه : ۸ از ۷۰

	TAG NO: MV-CHK-C01A
	GENERAL DATA
Type of Valve:	Check
Pattern:	Swing Type
Valve Size Range:	2 ~ 24 inch
Piping Class & C.A:	AN01 & C.A: 1
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 (In acc. with ASME B16.5)
Finishing:	RF
	MATERIAL
Body/Cover	ASTM A216 WCB
Trim	13Cr + Stellite 6 (Trim No.8)
Cover/Bonnet:	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.

- 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.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:			DATA	SHEETS FOR	MANUAL V	ALVES		
• ۵۳ - • ۷۳ - ۹ ۱۸۴	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه
	BK	GCS	PEDCO	120	PI	DT	0002	D04

شماره صفحه : ۹ از ۷۰

TAG NO: MV-CHK-C01B

GENERAL DATA

Type of Valve:

Pattern:

Valve Size Range:

Check

Swing Type

2 ~ 24 inch

Piping Class & C.A:

AN04, AN05 & AN07 & C.A: 6

NACE MR0175/ISO15156 Compliance Yes (Excpet for AN04)

CODE & STANDARD

Design Code:

Face to Face Dimensional:

Fire Testing:

Pressure Testing:

API 594

ASME B16.10

API 6FA

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:

MATERIAL

ASTM A216 WCB

Trim 18Cr-8Ni-Mo/Stellite 6 (Trim No. 12) Cover/Bonnet: вс NA Stem: Disc Seat: 18Cr-8Ni-Mo Stellite 6 **Body Seat:** Packing: NA Gland: NA Bolt & Nut: ASTM A193 Gr.B7M/ASTM A194 Gr.2HM Gasket Bonnet:

General Note:

Body/Cover

- 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.

- 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.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:			DATA	SHEETS FOR	MANUAL V	ALVES		
.0414 - 114	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه
	BK	GCS	PEDCO	120	PI	DT	0002	D04

شماره صفحه :۱۰ از ۷۰

TAG NO: MV-CHK-C01S

GENERAL DAT	TA				
Type of Valve:	Check				
Pattern:	Swing Type				
Valve Size Range:	2 ~ 24 inch				
Piping Class & C.A:	AS00 & C.A: 0				
NACE MR0175/ISO15156 Compliance	Yes				
CODE & STANDA	ARD				
Design Code:	API 594				
Face to Face Dimensional:	ASME B16.10				
Fire Testing:	API 6FA				
Pressure Testing:	As per API 598				
DESIGN DATA	4				
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/Cover	ASTM A351 CF3M				
Trim	18Cr-8Ni-Mo (Trim No. 10)				
Cover/Bonnet:	ВС				
Stem:	NA				
Disc Seat:	18Cr-8Ni-Mo				
Body Seat:	18Cr-8Ni-Mo				
Packing:	NA				
Gland:	NA				
Bolt & Nut:	ASTM A193 Gr.B8M/ASTM A194 Gr.8M				
Gasket Bonnet:	VTA				

General Note:

- 1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
- 2.Inner or outer leakage is not acceptable.
- 3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.

- 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.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:			DATA SHEE	TS FOR M	IANUAL \	/ALVES		
. 22 72 - 174	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه
	BK	GCS	PEDCO	120	PI	DT	0002	D04

شماره صف**ح**ه :۱۱ از ۷۰

TAG NO: MV-CHK-C03

GENERAL	DATA
Type of Valve:	Check
Pattern:	Swing Type
Valve Size Range:	2 ~ 24 inch
Piping Class & C.A:	CN05 & CN07 & C.A: 6
NACE MR0175/ISO15156 Compliance	Yes
CODE & STA	NDARD
Design Code:	API 594
Face to Face Dimensional:	ASME B16.10
Fire Testing:	API 6FA
Pressure Testing:	As per API 598
DESIGN E	DATA
Pressure Rating:	300#
Design Pressure:	47.7 BARG
Design Temperature:	155 °C
Body Construction:	Casting
End Connection:	FLGD
Finishing:	RF
MATER	IAL
Body/Cover	ASTM A216 WCB
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.

- 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.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:			DATA	SHEETS FOR	MANUAL V	ALVES		
• ۵۳ - • ۷۳ - 9 ۱ ۸۴	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه
	BK	GCS	PEDCO	120	PI	DT	0002	D04

شماره صفحه :۱۲ از ۷۰

TAG NO: MV-CHI	(-C03S
GENERAL DA	TA
Type of Valve:	Check
Pattern:	Swing Type
Valve Size Range:	2 ~ 24 inch
Piping Class & C.A:	CS00 & C.A: 0
NACE MR0175/ISO15156 Compliance	Yes
CODE & STAND	ARD
Design Code:	API 594
Face to Face Dimensional:	ASME B16.10
Fire Testing:	API 6FA
Pressure Testing:	As per API 598
DESIGN DAT	A
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/Cover	ASTM A351 CF3M
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.B8M/ASTM A194 Gr.8M
Gasket Bonnet:	VTA

General Note:

- 1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
- 2.Inner or outer leakage is not acceptable.
- 3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.

- 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.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان: DATA SHEETS FOR MANUAL VALVES نوع مدرک .04 - . 14 - 9114 بسته کاري صادر كننده تسهيلات رشته سريال نسخه پروژه GCS Ы 0002 BK **PEDCO** 120 DT D04

شماره صفحه :۱۳ از ۷۰

TAG NO: MV-CHK-C06

CIR COO
DATA
Check
Swing Type
2 ~ 12 inch
FN05 & FN07 & C.A: 6
Yes
ANDARD
API 594
ASME B16.10
API 6FA
As per API 598
DATA
600#
90 BARG
175 °C
Casting
FLGD
RF
RIAL
ASTM A216 WCB
18Cr-8Ni-Mo/Stellite 6 (Trim No. 12)
BC

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:

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.

- 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.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:			DATA	SHEETS FOR	MANUAL V	ALVES		
• ۵۳ - • ۷۳ - ۹ ۱۸۴	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه
	BK	GCS	PEDCO	120	PI	DT	0002	D04

شماره صفحه :۱۶ از ۷۰

TAG NO: MV	-CHK-CU6S
GENERAL	DATA
Type of Valve:	Check
Pattern:	Swing Type
Valve Size Range:	2 ~ 24 inch
Piping Class & C.A:	FS00 & C.A: 0
NACE MR0175/ISO15156 Compliance	Yes
CODE & ST.	ANDARD
Design Code:	API 594
Face to Face Dimensional:	ASME B16.10
Fire Testing:	API 6FA
Pressure Testing:	As per API 598
DESIGN	DATA
Pressure Rating:	600#
Design Pressure:	62.4 BARG
Design Temperature:	175 °C
Body Construction:	Casting
End Connection:	FLGD (In acc. with ASME B16.5)
Finishing:	RF
MATE	RIAL
Body/Cover	ASTM A351 CF3M
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.B8M/ASTM A194 Gr.8M
Gasket Bonnet:	VTA

General Note:

- 1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
- 2.Inner or outer leakage is not acceptable.
- 3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.

- 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.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: · ۵۳ - · ۷۳ - 9114 پروژه بسته کاری صادر كننده تسهيلات نوع مدرک سريال BK **GCS PEDCO** 120 Ы DT 0002 D04

شماره صفحه :۱۵ از ۷۰

TAG NO: MV-GAT-F08A

GENERAL	DATA
Гуре 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 & STA	ANDARD
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
MATER	RIAL
Body/Bonnet	ASTM A105
Trim:	13Cr + Stellite 6 (Trim No.8)
Cover/Bonnet:	BB
Stem:	NA
Body Seat Surface	Stellite 6

13Cr

NA

NA

ASTM A193 Gr.B7/ASTM A194 Gr.2H

Bonnet Gasket: General Note:

Bolt & Nut:

Gate Seat Surface

Packing:

Gland:

- 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.

- 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.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:			DATA SHE	EETS FOR M	IANUAL V	ALVES		
.0414 - 1146	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه
	BK	GCS	PEDCO	120	PI	DT	0002	D04

شماره صفحه :۱٦ از ٧٠

TAG NO: MV-GAT-F08B

GENERAL DATA

Type of Valve: Gate

Pattern: Solid Wedge, H.W.OP Valve Size Range: $1/2 \sim 1 \ 1/2 \ \text{inch}$

Piping Class & C.A: AN04, AN05, AN07, CN05, CN07, FN05 & FN07 & C.A: 6

NACE MR0175/ISO15156 Compliance Yes (exept for AN04)

CODE & STANDARD

Design Code:

Face to Face Dimensional:

ASME B16.10

Fire Testing:

API 6FA

Pressure Testing:

ASME B16.10

API 6FA

As per API 598

DESIGN DATA

BARG

°C

Pressure Rating: 800#
Design Pressure: 90
Design Temperature: 175

Design Temperature: 175
Body Construction: Forged

End Connection: SW & SW/FNPT

Finishing:

MATERIAL

ВВ

Body/Bonnet ASTM A105

Trim: 18Cr-8Ni-Mo/Stellite 6(Trim No. 12)

Cover/Bonnet:

Stem:18Cr-8Ni-MoBody Seat SurfaceStellite 6Gate Seat Surface18Cr-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.

- 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.









شماره صفحه :۱۷ از ۷۰

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:		DATA SHEETS FOR MANUAL VALVES							
۱۸۴ – ۲۷۰ – ۲۵۰ -	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدر ک	سريال	نسخه	
	BK	GCS	PEDCO	120	PI	DT	0002	D04	

0000 004

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

CODE & STANDARD

Yes

Design Code:

Face to Face Dimensional:

Fire Testing:

API 6FA

Pressure Testing:

API 6FA

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:

MATE

MATERIAL

ВВ

 Body/Bonnet
 ASTM A182 F316L

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

Cover/Bonnet:

Stem:18Cr-8Ni-MoBody Seat Surface18Cr-8Ni-MoGate Seat Surface18Cr-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: V

- 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 صفحه :۱۸ از ۷۰

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: .04 - . 74 - 9114 بسته کاري صادر كننده تسهيلات نوع مدرک سر يال نسخه پروژه BK **GCS PEDCO** 120 Ы DT 0002 D04

TAG NO: MV-GAT-C08AZ

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

CODE & STANDARD

No

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

DESIGN DATA

800# Pressure Rating: Design Pressure: 18.2 BARG 85 °C Design Temperature: **Body Construction:** Casting

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

VTA Gland:

Bolt & Nut: ASTM A193 Gr.B7/ASTM A194 Gr.2H (Galvanized)

Bonnet Gasket:

- 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.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: · ۵۳ - · ۷۳ - 9 1 1 4 بسته کاري صادر كننده تسهيلات نوع مدرک سر يال نسخه پروژه BK **GCS PEDCO** 120 Ы DT 0002 D04

شماره صفحه: ۱۹ از ۷۰

TAG NO: MV-GAT-C08BZ

NEI	JE
١	NEF

Type of Valve: Gate

Pattern: Solid Wedge, BB, OS. &Y, H.W.OP

2~4 inch Valve Size Range: Piping Class & C.A: AZ00 & C.A: 0

No NACE MR0175/ISO15156 Compliance

CODE & STANDARD

Design Code: **API 600** Face to Face Dimensional: **ASME B16.10** API 6FA Fire Testing: As per API 598 Pressure Testing:

DESIGN DATA

150# Pressure Rating:

Design Pressure: 18.2 BARG 85 °C Design Temperature: **Body Construction:** Casting End Connection: FLGD

Finishing: RF

MATERIAL

Screwed Bonnet

Body/Bonnet ASTM B148 UNS C95800 Trim: ASTM B148 UNS C95800

Cover/Bonnet: Stem: Aluminium Bronze

Body Seat Surface ASTM B148 UNS C95800

Gate Seat Surface VTA

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

VTA Gland:

Bolt & Nut: ASTM A193 Gr.B7/ASTM A194 Gr.2H (Galvanized)

Bonnet Gasket:

- 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.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:		DATA SHEETS FOR MANUAL VALVES						
.04 14 - 114	پروژه	خه سربال نوع مدرک رشته تسهیلات صادرکننده بسته کاری پروژه						
	BK	GCS	PEDCO	120	PI	DT	0002	D04

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

No NACE MR0175/ISO15156 Compliance

CODE & STANDARD

Design Code: **API600 ASME B16.10** Face to Face Dimensional: Fire Testing: API 6FA

Pressure Testing: As per API 598

DESIGN DATA

150# Pressure Rating:

18.2 Design Pressure: **BARG** 85 °C Design Temperature: **Body Construction:** Casting

End Connection: FLGD (In acc. with ASME B16.5)

Finishing:

MATERIAL

Body/Bonnet ASTM A216 WCB

Trim: 13Cr/Stellite 6 (Trim No. 8)

ВВ Cover/Bonnet: 13Cr Stem: **Body Seat Surface** Stellite 6 Gate Seat Surface

STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE Packing:

+ PACKING RING

VTA Gland:

Bolt & Nut: ASTM A193 Gr.B7M/ASTM A194 Gr.2HM

VTA Bonnet Gasket:

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.

- 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.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان: DATA SHEETS FOR MANUAL VALVES .04 - . 74 - 9114 پروژه سته کاري صادر كننده نوع مدرک سريال Ы BK GCS **PEDCO** 120 DT 0002 D04

شماره صفحه :21 از 20

TAG NO: MV-GAT-C01B-HO

GENERAL DA	TA
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 & STAND	ARD
Design Code:	API600
Face to Face Dimensional:	ASME B16.10
Fire Testing:	API 6FA
Pressure Testing:	As per API 598
DESIGN DAT	Α
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:	ВВ
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

- 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.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:		DATA SHEETS FOR MANUAL VALVES						
.0414 - 114	پروژه	نسخه سریال نوع مدرک رشته تسهیلات صادرکننده بسته کاری پروژه						
	BK	GCS	PEDCO	120	PI	DT	0002	D04

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 Yes

NACE MR0175/ISO15156 Compliance

CODE & STANDARD

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

DESIGN DATA

150# Pressure Rating:

13.9 Design Pressure: **BARG** 85 °C Design Temperature: **Body Construction:** Casting

End Connection: FLGD (In acc. with ASME B16.5)

Finishing:

MATERIAL

Body/Bonnet ASTM A351 CF3M

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

Cover/Bonnet: вв

Stem: 18Cr-8Ni-Mo **Body Seat Surface** 18Cr-8Ni-Mo Gate Seat Surface 18Cr-8Ni-Mo

STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE Packing:

+ PACKING RING

Gland: VTA

Bolt & Nut: ASTM A193 Gr.B8M/ASTM A194 Gr.8M

VTA Bonnet Gasket:

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.

- 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.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: بسته کاري .04 - . 74 - 9114 صادر کننده پروژه تسهيلات رشته نوع مدرک سريال نسخه BK GCS **PEDCO** 120 ы DT 0002 D04

شماره صفحه :۲۳ از ۷۰

TAG NO: MV-GAT-C01A-GO

GENERAL D	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 & STAI	NDARD
Design Code:	API600
Face to Face Dimensional:	ASME B16.10
Fire Testing:	API 6FA
Pressure Testing:	As per API 598
DESIGN D.	АТА
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
MATERIA	AL
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

VTA

VTA

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

Bonnet Gasket: General Note:

Gland: Bolt & Nut:

- 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.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: .04 - . 74 - 9114 ىستە كارى صادر کننده تسهيلات رشته نوع مدرک سر يال نسخه پروژه BK **GCS PEDCO** 120 ы DT 0002 D04

شماره صفحه :22 از 20

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:

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: VT.

Bolt & Nut: ASTM A193 Gr.B7M/ASTM A194 Gr.2HM

Bonnet Gasket: VTA

- 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.







احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: بسته کاري صادر کننده .04 - . 74 - 9114 پروژه تسهيلات رشته نوع مدرک سريال نسخه BK **GCS PEDCO** 120 ы DT 0002 D04

شماره صفحه :۲۵ از ۷۰

TAG NO: MV-GAT-C01S-GO

GENERAL I	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 & STAI	NDARD
Design Code:	API600
Face to Face Dimensional:	ASME B16.10
Fire Testing:	API 6FA
Pressure Testing:	As per API 598
DESIGN D	ATA
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
MATERI	AL
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.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: · ۵۳ - · ۷۳ - 9 1 A F پروژه سته کاري صادر كننده تسهيلات نوع مدرک BK **GCS PEDCO** 120 ы DT 0002 D04

شماره صفحه :27 از ۷۰

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:

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.

- 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.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: · ۵۳ - · ۷۳ - 9 1 A F پروژه سته کاري صادر كننده تسهيلات نوع مدرک BK **GCS PEDCO** 120 ы DT 0002 D04

شماره صفحه: ۲۷ از ۷۰

TAG NO: MV-GAT-C03S-HO

GENERAL DATA

Type of Valve: Gate

Pattern: Flexible Wedge, H.W.OP

Valve Size Range:2~12 inchPiping Class & C.A:CS00 & C.A: 0NACE MR0175/ISO15156 ComplianceYes

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:

MATERIAL

RF

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

- 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.





شماره صفحه :۲۸ از ۷۰





احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:		DATA SHEETS FOR MANUAL VALVES							
.04 14 - 114	پروژه	ل نوع مدر ک رشته تسهیلات صادر کننده بسته کاری پروژه						نسخه	
	BK	GCS	PEDCO	120	PI	DT	0002	D04	

TAG NO: MV-GAT-C03-GO

GENERAL DATA

Type of Valve: Gate

Pattern: Flexible Wedge, Gear .OP

Valve Size Range: 14~24 inch

Piping Class & C.A: CN05 & CN07 & C.A: 6

NACE MR0175/ISO15156 Compliance Ye

CODE & STANDARD

Design Code:

Face to Face Dimensional:

Fire Testing:

API600

ASME B16.10

API 6FA

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:

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.

- 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.



احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک



شماره صفحه: ۲۹ از ۷۰





ماره پیمان:

DATA SHEETS FOR MANUAL VALVES

- ۵۳ –	·VT - 911F	

پروژه	بسته کاری	صادر کننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه
BK	GCS	PEDCO	120	PI	DT	0002	D04

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:	ВВ
Stem:	18Cr-8Ni-Mo
Body Seat Surface	Stellite 6
Gate Seat Surface	18Cr-8Ni-Mo
Packing:	STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE
Gland:	+ PACKING RING
Bolt & Nut:	ASTM A193 Gr.B7M/ASTM A194 Gr.2HM
Bonnet Gasket:	VTA

General Note:

- 1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
- 2.Inner or outer leakage is not acceptable.
- 3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.

- 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 صفحه: ۳۰ از ۷۰





احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:		DATA SHEETS FOR MANUAL VALVES						
·04 - ·V4 - 1186	پروژه	بسته کاری	صادر کننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه
	BK	GCS	PEDCO	120	PI	DT	0002	D04

TAG NO: MV-GAT-C06S-HO

GENERAL DATA

Type of Valve: Gate

Pattern: Flexible Wedge, H.W .OP

2~10 inch Valve Size Range: Piping Class & C.A: FS00 & C.A: 0 Yes

NACE MR0175/ISO15156 Compliance

CODE & STANDARD

Design Code: API600 Face to Face Dimensional: **ASME B16.10** Fire Testing: API 6FA

DESIGN DATA

As per API 598

Pressure Rating: 600# 62.4 BARG Design Pressure: 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: ВВ

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:

General Note:

Pressure Testing:

- 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.

- 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.





شماره صفحه: ۳۱ از ۷۰





احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: بسته کاري نوع مدرک .04 - . 14 - 9114 صادر كننده تسهيلات رشته سريال نسخه پروژه 120 ы 0002 ΒK DT GCS **PEDCO** D04

TAG NO: MV-GAT-C06-GO

GENERAL DATA Type of Valve: Gate Pattern: Flexible Wedge, Gear .OP Valve Size Range: 12~24 inch Piping Class & C.A: FN05 & FN07 & C.A: 6 NACE MR0175/ISO15156 Compliance Yes **CODE & STANDARD** Design Code: API600 Face to Face Dimensional: **ASME B16.10** API 6FA Fire Testing: As per API 598 Pressure Testing: **DESIGN DATA** 600# Pressure Rating: Design Pressure: 90 BARG Design Temperature: 175 °C **Body Construction:** Casting FLGD (In acc. with ASME B16.5) End Connection: Finishing: RF **MATERIAL** Body/Bonnet ASTM A216 WCB Trim: 18Cr-8Ni-Mo/Stellite 6(Trim No. 12) Cover/Bonnet: ВВ 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.

- 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.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES

بسته کاري .04 - . 14 - 9114 صادر كننده تسهيلات ر شته نوع مدرک سريال پروژه BK GCS 120 ы DT 0002 **PEDCO** D04

شماره صفحه: ۳۲ از ۷۰

TAG NO: MV-GLB-F08A

GENERAL DATA

Type of Valve: Globe

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

Valve Size Range: $1/2 \sim 1 \ 1/2 \ \text{inch}$ Piping Class & C.A: AN01 & C.A: 1

NACE MR0175/ISO15156 Compliance

CODE & STANDARD

No

Design Code:

API 602/MFR
Face to Face Dimensional:

ASME B16.10
Fire Testing:

API 6FA
Pressure Testing:

ASME B16.10
API 6FA
As per API 598

DESIGN DATA

Pressure Rating: 800#

Design Pressure:

Design Temperature:

85 °C

Body Construction:

Forged

Trim Construction:

Forged (VTC)

End Connection:

SW

Finishing: SW

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: VT

Bolt & Nut: ASTM A193 Gr.B7/ASTM A194 Gr.2H

Bonnet Gasket: VTA

- 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.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES

.04 - . 14 - 9114 سته کاري صادر كننده تسهيلات ر شته نوع مدرک سريال پروژه BK GCS 120 ы DT 0002 **PEDCO** D04

شماره صفحه :۳۳ از ۷۰

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

API 6FA

Pressure Testing:

API 679

As per API 598

DESIGN DATA

Pressure Rating:

Design Pressure:

90 BARG

Design Temperature:

175 °C

Body Construction:

Forged

Trim Construction:

Forged (VTC)

End Connection:

SW

MATERIAL

NA

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:

Finishing:

- 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.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

 DATA SHEETS FOR MANUAL VALVES

 درک رشته سه کاری دوژه
 ۱۸۶۰ – ۱۸۳۰ – ۱۳۳۰ – ۱۸۳۰ – ۱۸۳۰ – ۱۸۳۰ – ۱۸۳۰ – ۱۸۳۰ – ۱۸۳۰ – ۱۸۳۰ – ۱۸۳۰ – ۱۸۳۰ – ۱۸۳۰ – ۱۸۳۰ – ۱۸۳۰ – ۱۸۳۰ – ۱۸۳۰ – ۱۸۳۰ – ۱۸۳۰ – ۱۸۳۰ – ۱۸۳۰

 نسخه
 سریال
 نوع مدر ک
 رشته
 تسهیلات
 صادر کننده
 بسته کاری
 پروژه

 BK
 GCS
 PEDCO
 120
 PI
 DT
 0002
 D04

شماره صفحه : ۳۶ از ۷۰

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

CODE & STANDARD

Yes

Design Code:

API 602/MFR
Face to Face Dimensional:

ASME B16.10
Fire Testing:

API 6FA
Pressure Testing:

ASME B16.10
API 6FA
As per API 598

DESIGN DATA

Pressure Rating:

Design Pressure:

62.4 BARG

Design Temperature:

175 °C

Body Construction:

Forged

Trim Construction:

Forged (VTC)

End Connection:

MATERIAL

NA

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:

Finishing:

- 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.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان: DATA SHEETS FOR MANUAL VALVES .04 - .44 - 9114 پروژه بسته کاری صادر كننده تسهيلات رشته نوع مدرک سريال 120 Ы DT 0002 ΒK GCS **PEDCO** D04

شماره صفحه: ٣٥ از ٧٠

TAG NO: MV-GLB-C08AZ

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 No

NACE MR0175/ISO15156 Compliance

CODE & STANDARD

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

DESIGN DATA

Pressure Rating: 800# Design Pressure: 18.2 BARG Design Temperature: 85 °C **Body Construction:** Casting End Connection: NPT Finishing: TRD

MATERIAL

Body/Bonnet ASTM B148 UNS C95800 ASTM B148 UNS C95800 Trim Screwed Bonnet Cover/Bonnet: Stem: Aluminium Bronze Disc Seat: ASTM B148 UNS C95800

VTA **Body Seat:**

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

Gland: VTA

ASTM A193 Gr.B7/ASTM A194 Gr.2H (Galvanized) Bolt & Nut:

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.

- 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.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان: DATA SHEETS FOR MANUAL VALVES .04 - .44 - 9114 پروژه بسته کاری صادر كننده تسهيلات رشته نوع مدرک سريال 120 Ы DT 0002 ΒK GCS **PEDCO** D04

شماره صفحه: 33 از 20

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 BARGDesign Temperature:85 °CBody Construction:Casting

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:

- ${\bf 1.} Vendor\ shall\ confirm\ the\ selected\ material,\ and\ suggestions\ for\ other\ good\ materials\ are\ appreciated.$
- 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.

- 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.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان: DATA SHEETS FOR MANUAL VALVES .04 - . 14 - 9114 سته کاري صادر کننده تسهيلات ر شته نوع مدرک سر يال نسخه پروژه BK **GCS PEDCO** 120 Ы DT 0002 D04

شماره صفحه: ۳۷ از ۷۰

TAG NO: MV-GLB-C01A-HO

'	GE	NE	KAL	DA	IA	

Type of Valve: Globe

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

2 ~ 6 inch Valve Size Range: Piping Class & C.A: AN01 & C.A: 1 No

NACE MR0175/ISO15156 Compliance

CODE & STANDARD

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

DESIGN DATA

150# Pressure Rating: Design Pressure: 18.2 BARG 85 °C Design Temperature: **Body Construction:** Casting Trim Construction: Casting End Connection:

FLGD (In acc. with ASME B16.5)

Finishing:

MATERIAL

Body/Bonnet ASTM A216 WCB Trim

13Cr + Stellite 6 (Trim No.8) Cover/Bonnet:

Stem: 13Cr 13Cr Disc Seat: **Body Seat:** Stellite 6

STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING Packing:

Gland: VTA

ASTM A193 Gr.B7/ASTM A194 Gr.2H Bolt & Nut:

VTA **Bonnet Gasket:**

- 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.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:	DATA SHEETS FOR MANUAL VALVES							
. 24 14 - 114	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه
	BK	GCS	PEDCO	120	PI	DT	0002	D04

شماره صفحه: 38 از ۷۰

	TAG NO: MV-GLB-C01B-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:	AN04, AN05 & AN07 & C.A: 6							
NACE MR0175/ISO15156 Compliance	Yes (Except for AN04)							
	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							
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:	ВВ							
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							

VTA

Bonnet Gasket: 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.



احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک



شماره پیمان:

۹۱۸۴ – ۲۷۰ – ۳۵۰

DATA SHEETS FOR MANUAL VALVES

					نوع مدرک		
BK	GCS	PEDCO	120	PI	DT	0002	D04

شماره صفحه: ۳۹ از ۷۰

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GENERAL DA	ATA
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 & STANI	DARD
Design Code:	API 623
Face to Face Dimensional:	ASME B16.10
Fire Testing:	API 6FA
Pressure Testing:	As per API 598
DESIGN DA	TA
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
MATERIA	
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

- 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.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:	DATA SHEETS FOR MANUAL VALVES							
•04 - •14 - 1146	پروژه	بسته کاری	صادر کننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه
	BK	GCS	PEDCO	120	PI	DT	0002	D04

شماره صفحه: 20 از 20

TAG NO: MV-GLB-C01-GO

GENERAL DATA

Type of Valve: Globe

Pattern: OS&Y, SWIVEL PLUG DISC, Gear.OP

Valve Size Range: 8 ~ 24 inch

Piping Class & C.A: AN04, AN05 & AN07 & C.A: 6

NACE MR0175/ISO15156 Compliance Yes (Except for AN04)

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

Trim Construction: Casting

End Connection: FLGD (In acc. with ASME B16.5)

Finishing:

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: VT/

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.

- 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.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان: DATA SHEETS FOR MANUAL VALVES .04 - . 74 - 9114 سته کاري تسهيلات نوع مدرک سريال پروژه صادر كننده BK GCS **PEDCO** 120 ы DT 0002 D04

شماره صفحه: 21 از 20

TAG NO: MV-GLB-C01S-GO

GENERAL DATA

Type of Valve: Globe

Pattern: OS&Y, SWIVEL PLUG DISC, Gear.OP

Valve Size Range: $8 \sim 24$ inch Piping Class & C.A: AS00 & C.A: 0

NACE MR0175/ISO15156 Compliance

CODE & STANDARD

Yes

Design Code:

API 623

Face to Face Dimensional:

Fire Testing:

API 6FA

Pressure Testing:

API 6FA

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:

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.

- 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.





شماره صفحه: ٤٢ از ٧٠





احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان: ۹۱۸۴ – ۰۷۳ – ۰۵۳

DATA SHEETS FOR MANUAL VALVES نوع مدرک سته کاري صادر كننده تسهيلات رشته سريال نسخه پروژه 0002 BK GCS **PEDCO** 120 ы DT D04

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

CODE & STANDARD

Design Code:

API 623

Face to Face Dimensional:

ASME B16.10

API 6FA

Pressure Testing:

API 6FA

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:

MATERIAL

Body/Bonnet ASTM A216 WCB

Trim 18Cr-8Ni-Mo/Stellite 6(Trim No. 12)

Cover/Bonnet:

Stem: 18Cr-8Ni-Mo
Disc Seat: 18Cr-8Ni-Mo
Body Seat: Stellite 6

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE

Gland: + PACKING RING

Bolt & Nut: ASTM A193 Gr.B7M/ASTM A194 Gr.2HM

Bonnet Gasket:

- 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.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: .04 - . 14 - 9114 سته کاري صادر كننده تسهيلات رشته نوع مدرک سريال پروژه نسخه BK GCS 120 ы DT 0002 **PEDCO** D04

شماره صفحه: 27 از ۷۰

TAG NO: MV-GLB-C03S-HO

GENERAL DATA

Type of Valve: Globe

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

2 ~ 6 inch Valve Size Range: CS00 & C.A: 0 Piping Class & C.A: Yes

NACE MR0175/ISO15156 Compliance

CODE & STANDARD

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

DESIGN DATA

300# Pressure Rating: Design Pressure: 30.3 BARG 155 °C Design Temperature: **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: ВВ

Stem: 18Cr-8Ni-Mo 18Cr-8Ni-Mo Disc Seat: **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

VTA Bonnet Gasket:

- 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.





شماره صفحه: 25 از ۷۰





احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: .04 - . 74 - 9114 نوع مدرک سته کاري صادر كننده تسهيلات سريال نسخه پروژه BK **GCS PEDCO** 120 Ы DT 0002 D04

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:

Face to Face Dimensional:

Fire Testing:

API 623

ASME B16.10

API 6FA

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-MoDisc Seat:18Cr-8Ni-MoBody Seat:Stellite 6

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

Gland: VT/

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.

- 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.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:	DATA SHEETS FOR MANUAL VALVES								
.0414 - 114	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه	
	BK	GCS	PEDCO	120	PI	DT	0002	D04	

شماره صفحه: 20 از 20

TAG NO: MV-GLB-C06-HO

NERA	

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 Ye

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:

MATERIAL

Body/Bonnet ASTM A216 WCB

Trim 18Cr-8Ni-Mo/Stellite 6(Trim No. 12)

Cover/Bonnet:

Stem:18Cr-8Ni-MoDisc Seat:18Cr-8Ni-MoBody 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.

- 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 صفحه : 23 از ۷۰

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:	DATA SHEETS FOR MANUAL VALVES				VALVES				
· ۵۳ - · ۷۳ — ۹ ۱ ۸۴	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه	
	BK	GCS	PEDCO	120	PI	DT	0002	D04	

	TAG NO: MV-GLB-C06S-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:	FS00 & 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:	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
Trim	18Cr-8Ni-Mo(Trim No. 10)
Cover/Bonnet:	ВВ
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

- 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.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: .04 - . 44 - 9114 نوع مدرک بسته کاري صادر کننده تسهيلات رشته سريال نسخه پروژه BK **GCS PEDCO** 120 Ы DT 0002 D04

شماره صفحه: 22 از 20

TAG NO: MV-GLB-C06-GO

GENERAL DATA

Type of Valve: Globe

Pattern: OS&Y, SWIVEL PLUG DISC, Gear.OP

Valve Size Range: 6 ~ 12 inch

Piping Class & C.A: FN05 & FN07 & C.A: 6

NACE MR0175/ISO15156 Compliance

CODE & STANDARD

Yes

Design Code:

API 623
Face to Face Dimensional:

Fire Testing:

API 67A

Are Pressure Testing:

API 67A

As per API 598

DESIGN DATA

Pressure Rating: 600#

Design Pressure:

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

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.

- 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.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: .04 - . 44 - 9114 نوع مدرک بسته کاري صادر کننده تسهيلات رشته سريال نسخه پروژه BK **GCS PEDCO** 120 Ы DT 0002 D04

شماره صفحه: 28 از ۷۰

TAG NO: MV-GLB-C06S-GO

GENERAL DATA

Type of Valve: Globe

Pattern: OS&Y, SWIVEL PLUG DISC, Gear.OP

Valve Size Range:6~12 inchPiping Class & C.A:FS00 & C.A: 0NACE MR0175/ISO15156 ComplianceYes

CODE & STANDARD

Design Code:

API 623
Face to Face Dimensional:

Fire Testing:

API 67A

As per 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:

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.

- 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.





شماره صفحه: ٤٩ از ٧٠





احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: .04 - . 14 - 9114 پروژه تسهيلات رشته نوع مدرک سريال سته کاري صادر كننده نسخه 120 ы DT 0002 BK GCS **PEDCO** D04

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**

API 608 Design Code: Face to Face Dimensional: **ASME B16.10** API 6FA Fire Testing:

API 6D (Preferred)/API 598 Pressure Testing:

DESIGN DATA

800#

Pressure Rating:

Design Pressure: 18.2 BARG 85 °C Design Temperature:

Body Construction: Forged Trim Construction: Forged (VTC) SW & SW/FNPT

End Connection: 2 Nipple at End (L=100mm)

Finishing:

MATERIAL

ASTM A105 Body/Bonnet Ball 13Cr 13Cr Stem: PTFE Seat:

Seal: Elast-o-Lion (VTC)

STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING Packing:

VTA

Bolt & Nut: ASTM A193 Gr.B7M/ASTM A194 Gr.2HM

VTA

Bonnet Gasket: General Note:

Gland:

- 1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
- 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.





شماره صفحه: ٥٠ از ٧٠





احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: .04 - . 14 - 9114 پروژه تسهيلات نوع مدرک سريال سته کاري صادر كننده رشته نسخه 120 ы DT 0002 BK GCS **PEDCO** D04

TAG NO: MV-BAL-F08B

GENERAL DATA

Type of Valve:

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:

Face to Face Dimensional:

Fire Testing:

API 608

ASME B16.10

API 6FA

Pressure Testing: API 6D (Preferred)/API 598

DESIGN DATA

Pressure Rating: 800#

Design Pressure:

Design Temperature:

Body Construction:

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

VTA

Bolt & Nut: ASTM A193 Gr.B7M/ASTM A194 Gr.2HM

VTA

Bonnet Gasket: General Note:

Gland:

- 1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
- 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 \prime 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.





شماره صفحه: ٥١ از ٧٠





احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: .04 - . 14 - 9114 پروژه تسهيلات سريال سته کاري صادر كننده رشته نوع مدرک نسخه 120 ы DT 0002 BK GCS **PEDCO** D04

TAG NO: MV-BAL-F08S

GENERAL DATA

Type of Valve: Ball

Pattern: Full Bore, Floating Ball, Wrench .OP, 2 Pieces

1/2 ~ 1 1/2 inch Valve Size Range:

Piping Class & C.A: AS00, CS00 & FS00 & C.A: 0

NACE MR0175/ISO15156 Compliance

Yes **CODE & STANDARD**

API 608 Design Code: Face to Face Dimensional: **ASME B16.10** Fire Testing: API 6FA

API 6D (Preferred)/API 598 Pressure Testing:

DESIGN DATA

800# Pressure Rating:

Design Pressure: 62.4 BARG 175 °C Design Temperature:

Body Construction: Forged Trim Construction: Forged (VTC) SW

End Connection:

2 Nipple at End (L=100mm) Finishing:

MATERIAL

Body/Bonnet ASTM A182 F316L

Ball SS316 Stem: SS316 PTFE Seat:

Seal: Elast-o-Lion (VTC)

STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING Packing:

VTA

Bolt & Nut: ASTM A193 Gr.B8M/ASTM A194 Gr.8M

VTA

Bonnet Gasket: General Note:

Gland:

- 1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
- 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.



احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک



شماره صفحه: ۵۲ از ۷۰



DATA SHEETS FOR MANUAL VALVES

		صادر کننده			نوع مدر ک	سريال	نسخه
BK	GCS	PEDCO	120	PI	DT	0002	D04

TAG NO: MV-BAL-C08AZ

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						
со	DE & 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**

800# Pressure Rating: 18.2 Design Pressure: BARG 85 Design Temperature: °C **Body Construction:** Casting NPT

End Connection: Finishing: TRD

MATERIAL

Body/Bonnet ASTM B148 UNS C95800 Ball ASTM B148 UNS C95800 Stem: Aluminium Bronze PTFE Seat:

Elast-o-Lion (VTC) Seal: ASTM B148 UNS C95800 Body Seat: Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

Gland: VTA

Bolt & Nut: ASTM A193 Gr.B7/ASTM A194 Gr.2H (Galvanized) VTA Bonnet Gasket:

- 1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
- 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.



احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک





DATA SHEETS FOR MANUAL VALVES

.04 - . 14 - 4114

شماره پیمان:

بسته کاری سريال صادر كننده تسهيلات رشته نوع مدرک پروژه ΒK **GCS PEDCO** 120 Ы DT 0002 D04

شماره صفحه: ٥٣ از ٧٠

	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:	<u> </u>

- 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.







شماره صفحه: 30 از ۷۰

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان: .04 - . 74 - 9114

DATA SHEETS FOR MANUAL VALVES سته کاری صادر كننده تسهيلات ر شته نوع مدرک سريال پروژه 120 ы DT 0002 BK **GCS PEDCO** D04

TAG NO: MV-BAL-C01AF-HO

GENERAL DATA

Type of Valve:

Pattern: Valve Size Range:

Piping Class & C.A:

Design Code:

Fire Testing:

NACE MR0175/ISO15156 Compliance

Ball

Full/Reduced Bore, Split Body, Floating Ball, Wrench .OP, 2 Pieces(Note 11)

AN01 & C.A: 1 No

CODE & STANDARD

API 6D/ASME B16.34

ASME B16.10

API 6FA

API 6D (Preferred)/API 598

DESIGN DATA

Pressure Rating:

Pressure Testing:

Face to Face Dimensional:

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)

RF

MATERIAL

Body/Bonnet ASTM A216 WCB

Ball 13Cr Stem: 13Cr PTFE Seat:

Seal: Elast-o-Lion (VTC)

STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING Packing:

Gland: VTA

ASTM A193 Gr.B7M/ASTM A194 Gr.2HM Bolt & Nut:

Bonnet Gasket: VTA

- 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.





احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:	DATA SHEETS FOR MANUAL VALVES								
۹۱۸۴ – ۲۷۰ – ۳۵۰	پروژه	بسته کاری	شماره صفحه: ٥٥ از ٧٠						
	BK	GCS	PEDCO	120	PI	DT	0002	D04	

TAG NO: MV-BAL-C01AT-HO

GENERAL DATA							
Type of Valve:	Ball						
Pattern:	Full/Reduced Bore,Split Body,Trunnion Mounted,Wrench .OP,2Pieces(Note11)						
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						

DESIGN DATA

API 6FA

Casting

API 6D (Preferred)/API 598

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:

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

MATERIAL

General Note:

Fire Testing:

Pressure Testing:

Trim Construction:

- 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.







احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: .04 - . 74 - 9114 سته کاری صادر كننده تسهيلات ر شته نوع مدرک سريال پروژه 120 ы DT 0002 BK **GCS PEDCO** D04

شماره صفحه: ٥٦ از ٧٠

TAG NO: MV-BAL-C01BF-HO

GENERAL DATA Ball

Type of Valve:

Pattern: Full/Reduced Bore, Split Body, Floating Ball, Wrench . OP, 2 Pieces (Note11)

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

End Connection: FLGD (In acc. with ASME B16.5)

Finishing:

MATERIAL

Casting

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:

Trim Construction:

- 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.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:	DATA SHEETS FOR MANUAL VALVES									
.04 14 - 414	صادر کننده بسته کاری پروژه			نوع مدر ک رشته تسهیلات			نسخه سريال			
	BK	GCS	PEDCO	120	PI	DT	0002	D04		

شماره صفحه: ۵۷ از ۲۰

TAG NO: MV-BAL-C01BT-HO

GENERAL DATA

Type of Valve:

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

End Connection: FLGD (In acc. with ASME B16.5)

Finishing:

MATERIAL

Casting

Body/BonnetASTM A216 WCBBallSS316Stem:SS316Seat: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:

Trim Construction:

- 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.







احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:		DATA SHEETS FOR MANUAL VALVES										
·04 - · 14 - 414	صادر کننده بسته کاری پروژه			تسهيلات	رشته	نوع مدرک	نسخه سريال					
	BK	GCS	PEDCO	120	PI	DT	0002	D04				

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)							
/alve Size Range:	2 inch							
Piping Class & C.A:	AS00 & C.A: 0							
NACE MR0175/ISO15156 Compliance	Yes							
CODE & ST	ANDARD							
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 Pressure:

Design Temperature:

85 °C

Body Construction:

Casting

Trim Construction:

Casting

End Connection: FLGD (In acc. with ASME B16.5)

Finishing:

MATERIAL

ASTM A351 CF3M

Ball SS316 SS316 Stem: PTFE Seat: 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:

Body/Bonnet

- 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.

11.Material for

10.Bore

"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 صفحه: ٥٩ از ٧٠

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:	DATA SHEETS FOR MANUAL VALVES										
.04 14 - 114	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	سريال نوع مدر ك رشته					
	BK	GCS	PEDCO	120	PI	DT	0002	D04			

TAG NO: MV-BAL-C01ST-HO

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, Wrench . OP, 2 Pieces (Note10)

3 ~ 6 inch

AS00 & C.A: 0

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:

MATERIAL

Body/Bonnet ASTM A351 CF3M

BallSS316Stem:SS316Seat: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

- 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.







احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:		DATA SHEETS FOR MANUAL VALVES									
• 54 - • 74 - 4 1 A F	پروژه	ت صادرکننده بسته کاری پروژه			رشته	نوع مدر ک	سريال	نسخه			
	BK	GCS	PEDCO	120	PI	DT	0002	D04			

شماره صفحه: ٦٠ از ٧٠

TAG NO: MV-BAL-C01-GO

GENERAL DATA

Type of Valve:

Pattern: Full/Reduced Bore, Split Body, Trunnion Mounted, Gear . OP (Note 11)

 $8 \sim 10$ inch $\rightarrow 2$ Piecess Valve Size Range: 12 ~ 16 inch → 3 Piecess

AN04, AN05 & AN07 & C.A: 6 Piping Class & C.A:

Yes (Except for AN04) NACE MR0175/ISO15156 Compliance

CODE & STANDARD

API 6D/ASME B16.34 Design Code: Face to Face Dimensional: **ASME B16.10**

API 6FA Fire Testing:

Pressure Testing: API 6D (Preferred)/API 598

DESIGN DATA

Pressure Rating: 150#

18.2 Design Pressure: **BARG** Design Temperature: 85 °C **Body Construction:** Casting Trim Construction: Casting

End Connection: FLGD (In acc. with ASME B16.5)

Finishing:

MATERIAL

Body/Bonnet ASTM A216 WCB SS316 Ball Stem: SS316

PTFE Seat:

Seal: Elast-o-Lion (VTC)

STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE Packing: + 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.

- 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.
- 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.







احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:		DATA SHEETS FOR MANUAL VALVES										
· ۵۳ - · ۷۳ - 9118	پروژه	نسخه سريال نوع مدر ک رشته تسهيلات صادر کننده بسته کاری پروژه										
	BK	GCS	PEDCO	120	PI	DT	0002	D04				

TAG NO: MV-BAL-C01S-GO

GENERAL DATA Type of Valve: Full/Reduced Bore, Split Body, Trunnion Mounted, Gear . OP (Note 10) Pattern: $8 \sim 10$ inch $\rightarrow 2$ Piecess Valve Size Range: 12 ~ 16 inch → 3 Piecess Piping Class & C.A: AS00 & C.A: 0 NACE MR0175/ISO15156 Compliance **CODE & STANDARD** Design Code: API 6D/ASME B16.34 ASME B16.10 Face to Face Dimensional: Fire Testing: API 6FA Pressure Testing: API 6D (Preferred)/API 598 **DESIGN DATA** Pressure Rating: 150# Design Pressure: 13.9 BARG 85 °C Design Temperature: **Body Construction:** Casting Trim Construction: Casting End Connection: FLGD (In acc. with ASME B16.5) RF Finishing: MATERIAL ASTM A351 CF3M Body/Bonnet Ball SS316 SS316 Stem: Seat: PTFE Seal: Elast-o-Lion (VTC) PTFE Body Seat: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING Packing: Gland: VTA Bolt & Nut: ASTM A193 Gr.B8M/ASTM A194 Gr.8M VTA

Bonnet Gasket: General Note:

- 1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
- 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.







شماره صفحه: ۱۲۲ از ۷۰

HIRGAN

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:		DATA SHEETS FOR MANUAL VALVES									
· ۵۳ - · ۷۳ - ۹ ۱ ۸ ۴	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه			
	BK	GCS	PEDCO	120	PI	DT	0002	D04			

TAG NO: MV-BAL-C03F-HO

GENERAL DATA

Type of Valve: Ball

Pattern: Full/Reduced Bore, Split Body, Floating Ball, Wrench .OP, 2 Piecess (Note11)

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

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:

End Connection:

Casting

FLGD (In acc. with ASME B16.5)

Finishing:

MATERIAL

Body/Bonnet ASTM A216 WCB

BallSS316Stem:SS316Seat:PTFE

Seal: Elast-o-Lion (VTC)

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE

Gland: + PACKING RING

Bolt & Nut: ASTM A193 Gr.B7M/ASTM A194 Gr.2HM

Bonnet Gasket: VTA

General Note:

- 1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
- 2.Inner or outer leakage is not acceptable.
- 3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.

- 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.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:		DATA SHEETS FOR MANUAL VALVES									
· ۵۳ - · ۷۳ — ۹ ۱ ۸ ۴	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه			
	BK	GCS	PEDCO	120	PI	DT	0002	D04			

شماره صفحه: ٦٣ از ٧٠

TAG NO: MV-BAL-C03T-HO

GENERAL DATA

Type of Valve:

Pattern: Full/Reduced Bore,Split Body,Trunnion Mounted,Wrench .OP,2 Pieces(Note11)

Yes

Valve Size Range: 3~4 inc

Piping Class & C.A: CN05 & CN07 & C.A: 6

NACE MR0175/ISO15156 Compliance

CODE & STANDARD

Design Code:

Face to Face Dimensional:

Fire Testing:

API 6D/ASME B16.34

ASME B16.10

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

ASTM A216 WCB Body/Bonnet SS316 Ball SS316 Stem: PTFE Seat: 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 VTA Bonnet Gasket:

- 1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
- 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.







شماره صفحه: ۲۶ از ۷۰

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:		DATA SHEETS FOR MANUAL VALVES									
· ۵۳ - · ۷۳ — 9 ۱ ۸ ۴	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه			
	BK	GCS	PEDCO	120	PI	DT	0002	D04			

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, 2Piecess (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)

MATERIAL

ASTM A351 CF3M Body/Bonnet Ball SS316 SS316 Stem: PTFE Seat:

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:

- 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.







احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:		DATA SHEETS FOR MANUAL VALVES								
. 24 14 - 114	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه		
	BK	GCS	PEDCO	120	PI	DT	0002	D04		

شماره صفحه: ٦٥ از ٧٠

TAG NO: MV-BAL-C03ST-HO

GENERAL DATA

Type of Valve:

Pattern: Full/Reduced Bore, Split Body, Trunnion Mounted, Wrench . OP, 2Pieces (Note10)

Valve Size Range:3~4 inchPiping 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
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:

MATERIAL

Body/Bonnet ASTM A351 CF3M Ball SS316

 Ball
 \$5316

 Stem:
 \$5316

 Seat:
 PTFE

Seal: Elast-o-Lion (VTC)

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE

Gland: + PACKING RING

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.

- 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.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:									
۹۱۸۴ – ۲۷۰ – ۲۵۰	پروژه	بسته کاری	صادر کننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه	شماره صفحه: ٦٦ از ٧٠
	BK	GCS	PEDCO	120	PI	DT	0002	D04	

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							
DESI	GN DATA							

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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:

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

MATERIAL

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.

- 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.



شرکت توسع پتروایرا^ن



احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:

۰۵۳ - ۰۷۳ – ۹۱۸۴

DATA SHEETS FOR MANUAL VALVES

پروژه	بسته کاری	صادر کننده	تسهيلات	رشته	نوع مدرک	سريال نوع مدرك		شماره صفحه: ٦٧ از ٧٠
BK	GCS	PEDCO	120	PI	DT	0002	D04	

TAG NO: MV-BAL-C06-GO **GENERAL DATA** Ball Type of Valve: Full/Reduced Bore, Split Body, Trunnion Mounted, Gear . OP, 3 Pieces (Note11) Pattern: 4 ~ 10 inch Valve Size Range: FN05 & FN07 & C.A: 6 Piping Class & C.A: NACE MR0175/ISO15156 Compliance Yes **CODE & STANDARD** API 6D/ASME B16.34 Design Code: **ASME B16.10** Face to Face Dimensional: Fire Testing: API 6FA Pressure Testing: API 6D (Preferred)/API 598 **DESIGN DATA** 600# Pressure Rating: 90 Design Pressure: **BARG** 175 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 SS316 Ball Stem: SS316 PTFE Seat: Seal: Elast-o-Lion (VTC) Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING Gland: ASTM A193 Gr.B7M/ASTM A194 Gr.2HM Bolt & Nut: 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.

- 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.







احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: .04 - . 14 - 9114 بسته کاري صادر كننده تسهيلات نوع مدرک سريال پروژه DT BK 120 ы 0002 **GCS PEDCO**

شماره صفحه: ۱۸ از ۷۰

TAG NO: MV-BAL-C06S-HO

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, Wrench . OP, 3 Pieces (Note 10)

D04

2 ~ 3 inch

FS00 & 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:

600# 62.4

BARG

175 °C

Casting

Casting

FLGD (In acc. with ASME B16.5)

RF

MATERIAL

SS316

Body/Bonnet

Ball

Stem:

Seat: Seal:

Packing:

Gland:

Bolt & Nut:

SS316 PTFE

ASTM A351 CF3M

Elast-o-Lion (VTC)

STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE

+ PACKING RING

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

VTA

Bonnet Gasket: **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 "ASO0, CSO0 & FSO0" 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.







احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:		DATA SHEETS FOR MANUAL VALVES												DATA SHEETS FOR MANUAL VALVES								
.04 14 - 414	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه	ه: ۲۹ از ۷۰													
	BK	GCS	PEDCO	120	PI	DT	0002	D04														

TAG NO: MV-BAL-C06S-GO

GENERAL DATA

Type of Valve:

Pattern: Valve Size Range:

Piping Class & C.A:

Trim Construction:

NACE MR0175/ISO15156 Compliance

Ball

Full/Reduced Bore, Split Body, Trunnion Mounted, Gear . OP, 3 Pieces (Note 10)

4 ~ 8 inch FS00 & C.A: 0

Yes

CODE & STANDARD

API 6D/ASME B16.34 Design Code:

Face to Face Dimensional: **ASME B16.10**

Fire Testing: API 6FA

Pressure Testing: API 6D (Preferred)/API 598

DESIGN DATA

600# Pressure Rating:

62.4 Design Pressure: **BARG**

175 °C Design Temperature: **Body Construction:** Casting

End Connection: FLGD (In acc. with ASME B16.5)

Finishing: RF

MATERIAL

Casting

Body/Bonnet ASTM A351 CF3M

SS316 Ball Stem: SS316 PTFE Seat:

Seal: Elast-o-Lion (VTC)

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE

+ PACKING RING Gland:

ASTM A193 Gr.B8M/ASTM A194 Gr.8M Bolt & Nut:

Bonnet Gasket: VTA

- 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 "ASO0, CSO0 & FSO0" 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 صفحه: ۷۰ از ۷۰





احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: .04 - . 14 - 9114 نوع مدرک بسته کاري صادر كننده تسهيلات رشته سريال نسخه پروژه BK GCS 120 Ы DT 0002 **PEDCO** D04

TAG NO: MV-BUT-C01-HO

GENERAL DATA

Type of Valve: Butterfly

Pattern: Lug Type, Center Line Seat, H.W.OP

Valve Size Range: 1 ~ 4 inch Piping Class & C.A: AX01 & C.A: 0

No NACE MR0175/ISO15156 Compliance

CODE & STANDARD

API 609/CAT A Design Code: API 609 Face to Face Dimensional: Fire Testing: API 6FA API 598

DESIGN DATA

150# Pressure Rating: 18.2 BARG Design Pressure: Design Temperature: 85 °C **Body Construction:** Casting Trim Construction: Casting

End Connection: FLGD (In acc. with ASME B16.5), FF

RF Finishing:

MATERIAL

A 216 WCB Body/Cover 13Cr Trim 13 Cr shaft 13 Cr Disc Seat: **Body Seat:** PTFE

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE

+ PACKING RING Gland:

Bolt & Nut: VTA Bonnet Gasket: VTA

General Note:

Pressure Testing:

- 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.