

شرکت تومد سروایرا^ن





احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES

شماره پيمان:	پروژه	بسته کاری	صادر کننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه
· ۵۳ - · ۷۳ — ۹ ۱۸۴	BK	GCS	PEDCO	120	PI	DT	0002	D02

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-708	3885			
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	
D02	ALIG 2023	IFΔ	M Noori	M Fakharian	A M Mohseni	

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







احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES

شماره پیمان:	پروژه	بسته کاری	صادر کننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه
•04 - • 4 - • 174	BK	GCS	PEDCO	120	PI	DT	0002	D02

شماره صفحه: ۲ از ۲۰

REVISION RECORD SHEET

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









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: ۔ ىستە كارى نوع مدرک .04 - . 14 - 9114 سريال پروژه صادر كننده تسهيلات ر شته نسخه ΒK **GCS** PEDCO 120 Ы DT 0002 D02

شماره صفحه :۳ از ۷۰

TAG NO: MV-CHK-F08A

	GENERAL DATA
Type of Valve:	Check
Pattern:	Piston Lift Type
/alve Size Range:	1/2 ~ 1 1/2 inch
Piping Class & C.A:	AN01 & C.A: 1
NACE MR0175/ISO15156 Compliance	No
C	ODE & STANDARD
Design Code:	ΔPI 602 / BS FN IS

Design Code:

Face to Face Dimensional:

Fire Testing:

Pressure Testing:

API 602 / BS EN ISO 15761

ASME B16.10

API 6FA

As per API 598

DESIGN DATA

Pressure Rating:

Design Pressure:

18.2 BARG

Design Temperature:

85 °C

Body Construction:

Forged

End Connection:

SW

Finishing:

NA

MATERIAL

ASTM A105

13Cr + Stellite 6 (Trim No.8) Trim ВС Cover NA Stem: Disc Seat: 13Cr Stellite 6 **Body Seat:** Packing: NA Gland: NA Bolt & Nut: ASTM A193 Gr.B7/ASTM A194 Gr.2H Gasket Bonnet: VTA

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.







شماره صفحه : ٤ از ٧٠

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:	DATA SHEETS FOR MANUAL VALVES							
. 24 14 - 114	پروژه	بسته کاری	صادر کننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه
	BK	GCS	PEDCO	120	PI	DT	0002	D02

TAG NO: MV-CHK-F08B

GENERAL DATA

Type of Valve: Check
Pattern: Piston Lift Type
Valve Size Range: $1/2 \sim 1 \, 1/2$ 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 / BS EN ISO 15761

Face to Face Dimensional:

ASME B16.10

Fire Testing:

API 6FA

DESIGN DATA

As per API 598

Pressure Rating: 800#

Design Pressure: 90 BARG

Design Temperature: 175 °C

Body Construction: Forged

End Connection: SW

Finishing: NA

MATERIAL

Body/Cover ASTM A105
Trim 18Cr-8Ni-Mo/Stellite 6 (Trim No. 12)
Cover/Bonnet: BC

Stem: NA
Disc Seat: 180

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:

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 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	DATA SHEETS FOR MANUAL VALVES						
.0414 - 1146	پروژه	بسته کاری	صادر کننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه		
	BK	GCS	PEDCO	120	PI	DT	0002	D02		

شماره صفحه :٥ از ٧٠

TAG NO: MV-CHK-F08S

	GENERAL DATA
Type of Valve:	Check
Pattern:	Piston Lift Type
Valve Size Range:	1/2 ~ 1 1/2 inch
Piping Class & C.A:	AS00, CS00 & FS00 & C.A: 0
NACE MR0175/ISO15156 Compliance	Yes
	CODE & STANDARD
Design Code:	API 602 / BS EN ISO 15761
Face to Face Dimensional:	ASME B16.10
Fire Testing:	API 6FA
Pressure Testing:	As per API 598
	DESIGN DATA
Pressure Rating:	800#
Design Pressure:	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.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان: DATA SHEETS FOR MANUAL VALVES .04 - . 74 - 9114 پروژه بسته کاری صادر كننده تسهيلات نوع مدرک سر يال نسخه BK **GCS PEDCO** 120 Ы DT 0002 D02

شماره صفحه : ۱ از ۷۰

TAG NO. WV-CHK-FUOAZ						
GENERAL DATA						
Type of Valve:	Check					
Pattern:	Piston Lift Type					
/alve Size Range:	1/2 ~ 1 1/2 inch					
Piping Class & C.A:	AZ00 & C.A: 0					
NACE MR0175/ISO15156 Compliance	No					
CODE & STANDARD						
Design Code:	BS 5154					
ace 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					

MATERIAL

Forged NPT

TRD

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:

General Note:

Body Construction:

End Connection: 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.









شماره صفحه :۷ از ۷۰

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: صادر كننده .04 - . 74 - 9114 پروژه بسته کاری تسهيلات نوع مدرک سر يال نسخه BK **GCS PEDCO** 120 Ы DT 0002 D02

TAG NO: MV-CHK-C08BZ

GENERAL DATA								
Type of Valve:	Check							
Pattern:	Swing Type							
Valve Size Range:	2~4 inch							
Piping Class & C.A:	AZ00 & C.A: 0							
NACE MR0175/ISO15156 Compliance	No							
CODE & STANDARD								
Design Code:	BS 5154							
Face to Face Dimensional:	ASME B16.10							
Fire Testing:	API 6FA							
Pressure Testing:	As per API 598							
DESIGN DATA								
Pressure Rating:	150#							
Design Pressure:	18.2 BARG							
Design Temperature:	85 °C							
Body Construction:	Casting							
End Connection:	FLGD							
Finishing:	RF							
MATER	IAL							
Body/Bonnet	ASTM B148 UNS C95800							
Trim	ASTM B148 UNS C95800							
Cover/Bonnet:	Screwed Bonnet							
Stem:	NA							
Disc Seat:	ASTM B148 UNS C95800							
Body Seat:	VTA							
Packing:	NA							
Gland:	NA							
Bolt & Nut:	ASTM A193 Gr.B7/ASTM A194 Gr.2H (Galvanized)							
Bonnet Gasket:	VTA							
General Note:								

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









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	نوع مدرک	سريال	نسخه
	BK	GCS	PEDCO	120	PI	DT	0002	D02

شماره صفحه : ۸ از ۲۰

	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:	BS 1868/API 6D			
Face to Face Dimensional:	ASME B16.10			
Fire Testing: API 6FA				
Pressure Testing: As per API 598				
	DESIGN DATA			
Pressure Rating:	150#			
Design Pressure:	18.2 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.





شماره صفحه : ۹ از ۷۰





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	D02	

TAG NO: MV-CHK-C01B

GENERAL DATA

Type of Valve: Check Pattern: Swing Type Valve Size Range: 2 ~ 24 inch

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

NACE MR0175/ISO15156 Compliance Yes (Excpet for AN04)

CODE & STANDARD

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

DESIGN DATA

Pressure Rating: 150# 18.2 BARG Design Pressure: 85 °C Design Temperature:

Body Construction: Casting

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

Finishing:

MATERIAL

Body/Cover 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:

- 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						
• ۵۳ - • ۷۳ - ۹ ۱ ۸۴	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه
	BK	GCS	PEDCO	120	PI	DT	0002	D02

شماره صفحه :۱۰ از ۷۰

	TAG NO: MV-CHK-C01S
	GENERAL DATA
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 & 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:	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:	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.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:		DATA SHEETS FOR MANUAL VALVES						
. 22 72 - 174	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه
	BK	GCS	PEDCO	120	PI	DT	0002	D02

شماره صفحه:۱۱ از ۷۰

TAG NO: MV-CHK-C03

TAG NO. INI	-CHR-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 & 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:	300#
Design Pressure:	47.7 BARG
Design Temperature:	155 °C
Body Construction:	Casting
End Connection:	FLGD
Finishing:	RF
MATE	RIAL
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 VALVES						
.04 14 - 114	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه
	BK	GCS	PEDCO	120	PI	DT	0002	D02

شماره صفحه :۱۲ از ۷۰

	TAG NO: MV-CHK-C03S
	GENERAL DATA
Type of Valve:	Check
Pattern:	Swing Type
Valve Size Range:	2 ~ 24 inch
Piping Class & C.A:	CS00 & C.A: 0
NACE MR0175/ISO15156 Compliance	Yes
	CODE & STANDARD
Design Code:	API 594
Face to Face Dimensional:	ASME B16.10
Fire Testing:	API 6FA
Pressure Testing:	As per API 598
	DESIGN DATA
Pressure Rating:	300#
Design Pressure:	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:	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.





شماره صفحه: ۱۳ از ۷۰





احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان: DATA SHEETS FOR MANUAL VALVES <u>--</u> نوع مدرک بسته کاري تسهيلات رشته .04 - . 14 - 9114 صادر کننده سريال نسخه پروژه 0002 BK GCS **PEDCO** 120 ы DT D02

TAG NO: MV-CHK-C06

GENERAL DATA

Check

Type of Valve: Pattern: Swing Type Valve Size Range: 2 ~ 12 inch

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

NACE MR0175/ISO15156 Compliance

CODE & STANDARD

Yes

API 594 Design Code: Face to Face Dimensional: **ASME B16.10**

Fire Testing: API 6FA Pressure Testing: As per API 598

DESIGN DATA

Pressure Rating: 600#

90 **BARG** Design Pressure: 175 °C Design Temperature: **Body Construction:** Casting End Connection: FLGD

Finishing:

MATERIAL

RF

NA

Body/Cover ASTM A216 WCB

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

Cover/Bonnet: вс Stem: NA

18Cr-8Ni-Mo Disc Seat: **Body Seat:** Stellite 6 Packing: NA

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

Gasket Bonnet:

General Note:

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.
- 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	D02	

شماره صفحه :۱۶ از ۷۰

	TAG NO: MV-CHK-C06S
	GENERAL DATA
Type of Valve:	Check
Pattern:	Swing Type
Valve Size Range:	2 ~ 24 inch
Piping Class & C.A:	FS00 & C.A: 0
NACE MR0175/ISO15156 Compliance	Yes
	CODE & STANDARD
Design Code:	API 594/ISO 15761
Face to Face Dimensional:	ASME B16.10
Fire Testing:	API 6FA
Pressure Testing:	As per API 598
	DESIGN DATA
Pressure Rating:	600#
Design Pressure:	62.4 BARG
Design Temperature:	175 °C
Body Construction:	Casting
End Connection:	FLGD (In acc. with ASME B16.5)
Finishing:	RF
	MATERIAL
Body/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.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان: DATA SHEETS FOR MANUAL VALVES · ۵۳ - · ۷۳ - 9118 بسته کاری صادر كننده تسهيلات نوع مدرک سريال پروژه BK **GCS PEDCO** 120 Ы DT 0002 D02

شماره صفحه :۱۵ از ۲۰

TAG NO: MV-GAT-F08A

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: AN01 & C.A: 1

NACE MR0175/ISO15156 Compliance

CODE & STANDARD

No

Design Code:

Face to Face Dimensional:

Fire Testing:

API 6FA

As per API 598

DESIGN DATA

Pressure Rating: 800#

Design Pressure: 18.2 BARG

Design Temperature: 85 °C

Body Construction: Forged

End Connection: SW & SW/FNPT

Finishing: NA

MATERIAL

вв

NA

Body/Bonnet ASTM A105

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

Stem: NA
Body Seat Surface Stellite 6
Gate Seat Surface 13Cr
Packing: NA

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

Bonnet Gasket: VTA

General Note:

Gland:

Cover/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.

- 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 :۱٦ از ۷۰

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: · ۵۳ - · ۷۳ - 9118 بسته کاری صادر كننده تسهيلات نوع مدرک سريال پروژه BK **GCS PEDCO** 120 Ы DT 0002 D02

TAG NO: MV-GAT-F08B

GENERAL DATA

Type of Valve: Gate

Pattern: Solid Wedge, H.W.OP
Valve Size Range: 1/2 ~ 1 1/2 inch

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

NACE MR0175/ISO15156 Compliance Yes (exept for AN04)

CODE & STANDARD

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

DESIGN DATA

Pressure Rating: 800#

Design Pressure: 90 BARG
Design Temperature: 175 °C
Body Construction: Forged
End Connection: SW & SW/FNPT

Finishing: NA

MATERIAL

Body/Bonnet ASTM A105

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

Cover/Bonnet: BB

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

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

Gland: VTA

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

Bonnet Gasket: VTA

General Note:

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

2.Inner or outer leakage is not acceptable.

3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.

- 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 .04 - . 74 - 9114 بسته کاری صادر كننده تسهيلات نوع مدرک سريال نسخه پروژه BK **GCS PEDCO** 120 Ы DT 0002 D02

DT 0002 D02

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 602

ASME B16.10

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: NA

MATERIAL

Body/Bonnet ASTM A182 F316L

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

Cover/Bonnet:

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.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:			DATA SH	EETS FOR I	MANUAL VA	LVES		
· ۵۳ - · ۷۳ — 9 ۱ ۸ ۴	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه
	BK	GCS	PEDCO	120	PI	DT	0002	D02

شماره صفحه :۱۸ از ۷۰

TAG NO: MIV-G	SAI-FUSAZ					
GENERAL DATA						
ype of Valve:	Gate					
rattern:	Solid Wedge, H.W.OP					
/alve Size Range:	1/2 ~ 1 1/2 inch					
iping Class & C.A:	AZ00 & C.A: 0					
IACE MR0175/ISO15156 Compliance	No					
CODE & STA	INDARD					
Design Code:	BS 5154					
ace to Face Dimensional:	ASME B16.10					
ire Testing:	API 6FA					
ressure Testing:	As per API 598					
DESIGN I	DATA					
ressure Rating:	800#					
Design Pressure:	18.2 BARG					

85 °C Design Temperature: **Body Construction:** Forged End Connection: NPT

Finishing: TRD

MATERIAL

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

Gate Seat Surface VTA

STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING Packing:

Gland: VTA

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.









شماره صفحه: ۱۹ از ۷۰

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: · ۵۳ - · ۷۳ - 9 1 1 4 بسته کاری صادر كننده تسهيلات نوع مدرک سر يال نسخه پروژه BK **GCS PEDCO** 120 Ы DT 0002 D02

TAG NO: MV-GAT-C08BZ

GENERAL DATA

Type of Valve: Gate

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

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

Piping Class & C.A: No NACE MR0175/ISO15156 Compliance

CODE & STANDARD

Design Code: BS 5154 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:

MATERIAL

RF

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 SH	EETS FOR I	MANUAL	VALVES		
۹۱۸۴ – ۲۷۰ – ۱۸۴	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه
	BK	GCS	PEDCO	120	PI	DT	0002	D02

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

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 13Cr

STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE Packing:

+ PACKING RING

As per API 598

VTA Gland:

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

VTA 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 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: ۲۱ از ۷۰





احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان: DATA SHEETS FOR MANUAL VALVES .04 - . 14 - 9114 پروژه سته کاري صادر کننده نوع مدرک سريال 0002 BK GCS **PEDCO** 120 Ы DT D02

TAG NO: MV-GAT-C01B-HO

	GENERAL DATA
Type of Valve:	Gate
Pattern:	Flexible Wedge, H.W.OP
Valve Size Range:	2~12 inch
Piping Class & C.A:	AN04, AN05 & AN07 & C.A: 6
NACE MR0175/ISO15156 Compliance	Yes (Except for AN04)
	CODE & STANDARD
Design Code:	API600
Face to Face Dimensional:	ASME B16.10
Fire Testing:	API 6FA
Pressure Testing:	As per API 598
	DESIGN DATA
Pressure Rating:	150#
Design Pressure:	18.2 BARG
Design Temperature:	85 °C
Body Construction:	Casting
End Connection:	FLGD (In acc. with ASME B16.5)
Finishing:	RF
	MATERIAL
Body/Bonnet	ASTM A216 WCB
Trim:	18Cr-8Ni-Mo/Stellite 6(Trim No. 12)
Cover/Bonnet:	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							
.04 14 - 114	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه
	BK	GCS	PEDCO	120	PI	DT	0002	D02

شماره صفحه: ۲۲ از ۷۰

TAG NO: MV-GAT-C01S-HO

GENERAL DATA

Type of Valve: Gate

Pattern: Flexible Wedge, H.W.OP

Valve Size Range: 2~12 inch Piping Class & C.A: AS00 & C.A: 0

NACE MR0175/ISO15156 Compliance

CODE & STANDARD

Yes

As per API 598

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

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: 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

STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE Packing:

+ PACKING RING

VTA Gland:

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

VTA 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.







احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: بسته کاري صادر کننده نسخه .04 - . 74 - 9114 پروژه تسهيلات رشته نوع مدرک سريال BK GCS **PEDCO** 120 ы DT 0002 D02

شماره صفحه :۲۳ از ۷۰

TAG NO: MV-GAT-C01A-GO

GENERAL	DATA			
Type of Valve:	Gate			
Pattern:	Flexible Wedge, Gear .OP			
Valve Size Range:	14~24 inch			
Piping Class & C.A:	AN01 & C.A: 1 No CODE & STANDARD API600 ASME B16.10 API 6FA As per API 598			
NACE MR0175/ISO15156 Compliance	No			
CODE & ST.	ANDARD			
Design Code:	API600			
Face to Face Dimensional:	ASME B16.10			
Fire Testing:	API 6FA			
Pressure Testing:	As per API 598			
DESIGN	DATA			
Pressure Rating:	150#			
Design Pressure:	18.2 BARG			
Design Temperature:	85 °C			
Body Construction:	Casting			
End Connection:	FLGD (In acc. with ASME B16.5)			
Finishing:	RF			
MATEI	RIAL			
Body/Bonnet	ASTM A216 WCB			
Trim:	13Cr/Stellite 6 (Trim No. 8)			
Cover/Bonnet:	ВВ			
Stem:	13Cr			
Body Seat Surface	Stellite 6			

13Cr

VTA

STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

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

Bonnet Gasket: General Note:

Gate Seat Surface

Packing:

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.





شماره صفحه : ۲۶ از ۷۰





احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: بسته کاري .04 - . 74 - 9114 صادر کننده تسهيلات رشته نوع مدرک سر يال نسخه پروژه BK **GCS PEDCO** 120 ы DT 0002 D02

TAG NO: MV-GAT-C01B-GO

GENERAL DATA

Type of Valve:

Pattern: Flexible Wedge, Gear .OP

14~24 inch Valve Size Range:

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** API 6FA Fire Testing:

As per API 598 Pressure Testing:

DESIGN DATA

Pressure Rating: 150#

18.2 Design Pressure: **BARG** 85 Design Temperature: °C

Casting **Body Construction:**

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

RF Finishing:

MATERIAL

Body/Bonnet

ASTM A216 WCB

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

ВВ Cover/Bonnet:

Stem: 18Cr-8Ni-Mo Stellite 6 **Body Seat Surface Gate Seat Surface** 18Cr-8Ni-Mo

STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING Packing:

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

DATA SHEETS FOR MANUAL VALVES شماره پیمان: بسته کاري .04 - . 14 - 9114 صادر کننده نسخه پروژه تسهيلات رشته نوع مدرک سريال BK GCS **PEDCO** 120 Ы DT 0002 D02

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:	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

VTA

VTA

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

Bonnet Gasket: General Note:

Bolt & Nut:

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.
- 8. 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 – ۰۷۳ – ۵۳۰

 DATA SHEETS FOR MANUAL VALVES

 نسخه
 سریال
 نوع مدر کک
 رشته
 نسجیلات
 صادر کننده
 بسته کاری
 پروژه

 BK
 GCS
 PEDCO
 120
 PI
 DT
 0002
 D02

شماره صفحه :۲٦ 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: · 54 - · 74 - 9 1 A F پروژه سته کاری صادر كننده تسهيلات نوع مدرک BK **GCS PEDCO** 120 ы DT 0002 D02

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 inch

 Piping Class & C.A:
 CS00 & C.A: 0

 NACE MR0175/ISO15156 Compliance
 Yes

CODE & STANDARD

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

DESIGN DATA

Pressure Rating:

Design Pressure:

Design Temperature:

Body Construction:

300#

300#

30.3 BARG

155 °C

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
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.

- 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.





شماره صفحه :۲۸ از ۷۰





احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان: DATA SHEETS FOR MANUAL VALVES · 54 - · 74 - 9114 پروژه سته کاري صادر كننده تسهيلات نوع مدرک سريال نسخه BK **GCS PEDCO** 120 ы DT 0002 D02

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 Yes

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







باره پیمان:

DATA SHEETS FOR MANUAL VALVES

•04 - • 44 - 414

پروژه	بسته کاری	صادر کننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه
BK	GCS	PEDCO	120	PI	DT	0002	D02

شماره صفحه: ۲۹ از ۷۰

TAG NO: MV-GAT-C06-HO

GEN	ERAL 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
DES	IGN 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
M	ATERIAL
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 — 9114	پروژه	بسته کاری	صادر کننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه
	BK	GCS	PEDCO	120	PI	DT	0002	D02

TAG NO: MV-GAT-C06S-HO

GENERAL DATA

Type of Valve: Gate

Flexible Wedge, H.W .OP Pattern:

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 Pressure Testing: As per API 598

DESIGN DATA

Pressure Rating: 600# 62.4 BARG Design Pressure: 175 °C Design Temperature: **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

STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING Packing:

Gland: VTA

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

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.





شماره صفحه: ۳۱ 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 Ы 120 DT 0002 BK GCS **PEDCO** D02

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
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 + 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

.04 - . 14 - 9114 سته کاري صادر كننده تسهيلات ر شته نوع مدرک سريال پروژه BK GCS 120 ы DT 0002 **PEDCO** D02

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:

API 679

DESIGN DATA

Pressure Rating: 800#

Design Pressure:

Design Temperature:

Body Construction:

Forged

Trim Construction:

Forged (VTC)

End Connection:

SW

Finishing:

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

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.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

 DATA SHEETS FOR MANUAL VALVES

 درک رشته سهالات صادر کننده سته کاری دوژه

نسخه سريال نوع مدر ک رشته تسهيلات صادر کننده بسته کاری پروژه BK GCS PEDCO 120 PI DT 0002 D02

شماره صفحه: ٣٣ از ٧٠

TAG NO: MV-GLB-F08B

GENERAL DATA

Type of Valve: Globe

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

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

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

NACE MR0175/ISO15156 Compliance Yes (Except for AN04)

CODE & STANDARD

Design Code:

API 602/MFR
Face to Face Dimensional:

ASME B16.10
Fire Testing:

API 6FA
Pressure Testing:

API 6PA
As per API 598

DESIGN DATA

800# Pressure Rating: 90 Design Pressure: **BARG** 175 °C Design Temperature: **Body Construction:** Forged Trim Construction: Forged (VTC) End Connection: SW Finishing: NA

MATERIAL

Body/Bonnet ASTM A105

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

Cover/Bonnet: BE

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

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

Gland: VTA

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

Bonnet Gasket: VTA

General Note:

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

2.Inner or outer leakage is not acceptable.

- 3.There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.

 However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.
- 4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
- 5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
- 6. All valve data sheets shall be confirmed by vendor.
- 7.All valve shall have a fire-safe design.
- 8. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان:

.04 - . 14 - 9114 سته کاري صادر كننده تسهيلات ر شته نوع مدرک سريال پروژه BK GCS 120 ы DT 0002 **PEDCO** D02

شماره صفحه : ۳٤ 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:

SW

End Connection: SW
Finishing: NA

MATERIAL

Body/Bonnet ASTM A182 F316L

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

Cover/Bonnet: BB

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

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

Gland: VTA

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

Bonnet Gasket: VTA

General Note:

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

2.Inner or outer leakage is not acceptable.

3.There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.
However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.

- 4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
- 5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
- 6. All valve data sheets shall be confirmed by vendor.
- 7.All valve shall have a fire-safe design.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان: DATA SHEETS FOR MANUAL VALVES .04 - . 74 - 9114 پروژه بسته کاری صادر كننده تسهيلات رشته نوع مدرک سريال نسخه 120 ы DT 0002 ΒK GCS **PEDCO** D02

شماره صفحه: ٣٥ از ٧٠

TAG NO: MV-GLB-F08AZ

GENERAL DATA

Type of Valve: Globe

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

Valve Size Range: 1/2 ~ 1 1/2 inch Piping Class & C.A: AZ00 & C.A: 0 No

NACE MR0175/ISO15156 Compliance

CODE & STANDARD

BS 5154 Design Code: 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:** Forged

End Connection: NPT Finishing: TRD

MATERIAL

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

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

Bonnet Gasket: VTA

General Note:

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

- 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 - . 74 - 9114 پروژه بسته کاری صادر كننده تسهيلات رشته نوع مدرک سريال نسخه 120 ы DT 0002 ΒK GCS **PEDCO** D02

شماره صفحه: 33 از 20

TAG NO: MV-GLB-C08BZ

GENERAL DATA Globe

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:

Face to Face Dimensional:

Fire Testing:

ASME B16.10

API 6FA

Pressure Testing:

As per API 598

DESIGN DATA

Pressure Rating: 150#

Design Pressure: 18.2 BARG

Design Temperature: 85 °C

Body Construction: Casting

End Connection: FLGD

Finishing: RF

MATERIAL

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

Body Seat: VTA

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

Gland: VTA

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

Bonnet Gasket: VTA

General Note:

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



Face to Face Dimensional:

نگهداشت و افزایش تولید میدان نفتی بینک سطحالارض







احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان: DATA SHEETS FOR MANUAL VALVES .04 - . 14 - 9114 سته کاری صادر کننده تسهيلات ر شته نوع مدرک سر يال نسخه پروژه BK **GCS PEDCO** 120 Ы DT 0002 D02

شماره صفحه: ۳۷ از ۷۰

TAG NO: MV-GLB-C01A-HO

	GENERAL DATA
ype of Valve:	Globe
Pattern:	OS&Y, SWIVEL PLUG DISC, H.W.OP
/alve Size Range:	2 ~ 6 inch
Piping Class & C.A:	AN01 & C.A: 1
NACE MR0175/ISO15156 Compliance	No
	CODE & STANDARD
Design Code:	BS 1873

ASME B16.10

API 6FA

Fire Testing: As per API 598 Pressure Testing:

DESIGN DATA

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

ASTM A216 WCB

Finishing:

MATERIAL

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

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 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	D02	

شماره صفحه: ۳۸ از ۷۰

TAG NO: MV-GLB-C01B-HO

	GENERAL DATA
ype of Valve:	Globe
attern:	OS&Y, SWIVEL PLUG DISC, H.W.OP
alve Size Range:	2 ~ 6 inch
iping Class & C.A:	AN04, AN05 & AN07 & C.A: 6
IACE MR0175/ISO15156 Compliance	Yes (Except for AN04)
	CODE & STANDARD

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

DESIGN DATA

150# Pressure Rating: 18.2 BARG Design Pressure: 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 18Cr-8Ni-Mo/Stellite 6(Trim No. 12) Cover/Bonnet: Stem: 18Cr-8Ni-Mo 18Cr-8Ni-Mo Disc Seat: Body Seat: Stellite 6 STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING Packing: VTA Gland: ASTM A193 Gr.B7M/ASTM A194 Gr.2HM 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:

۹۱۸۴ – ۲۷۰ – ۳۵۰

DATA SHEETS FOR MANUAL VALVES

		صادر کننده					
BK	GCS	PEDCO	120	PI	DT	0002	D02

شماره صفحه: ۳۹ از ۷۰

TAG NO: MV-GLB-C01S-HO

GEN	ERAL DATA
Type of Valve:	Globe
Pattern:	OS&Y, SWIVEL PLUG DISC, H.W.OP
Valve Size Range:	2 ~ 6 inch
Piping Class & C.A:	AS00 & C.A: 0
NACE MR0175/ISO15156 Compliance	Yes
CODE	& STANDARD
Design Code:	BS 1873
Face to Face Dimensional:	ASME B16.10
Fire Testing:	API 6FA
Pressure Testing:	As per API 598
DES	SIGN DATA
Pressure Rating:	150#
Design Pressure:	13.9 BARG
Design Temperature:	85 °C
Body Construction:	Casting
Trim Construction:	Casting
End Connection:	FLGD (In acc. with ASME B16.5)
Finishing:	RF
M	IATERIAL
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
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.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: .04 - . 14 - 9114 سته کاري صادر كننده تسهيلات نوع مدرک سريال BK GCS PEDCO 120 ы DT 0002 D02

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:

BS 1873

Face to Face Dimensional:

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: 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.





شماره صفحه: 21 از ۷۰





احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: .04 - . 74 - 9114 سته کاري تسهيلات نوع مدرک سريال پروژه صادر كننده PEDCO BK GCS 120 ы DT 0002 D02

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:

BS 1873

Face to Face Dimensional:

ASME B16.10

Fire Testing:

API 6FA

Pressure Testing:

As per API 598

DESIGN DATA

Pressure Rating: 150#

Design Pressure: 13.9 BARG

Design Temperature: 85 °C

Body Construction: Casting

Trim Construction: Casting

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

Finishing:

MATERIAL

ВВ

Body/Bonnet ASTM A351 CF3M
Trim 18Cr-8Ni-Mo(Trim No. 10)

Cover/Bonnet:

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: 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 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 – 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 D02

شماره صفحه: 27 از ۷۰

TAG NO: MV-GLB-C03-HO

GENERAL DATA

Type of Valve: Globe

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

Valve Size Range: 2 ~ 6 inch

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

NACE MR0175/ISO15156 Compliance

CODE & STANDARD

Design Code:

BS 1873

Face to Face Dimensional:

ASME B16.10

API 6FA

Pressure Testing:

As per API 598

DESIGN DATA

Pressure Rating: 300#

Design Pressure: 47.7 BARG

Design Temperature: 155 °C

Body Construction: Casting

Trim Construction: Casting

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

Finishing:

MATERIAL

Body/Bonnet ASTM A216 WCB

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

Cover/Bonnet: BE

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: VT.

- 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 صادر كننده تسهيلات نوع مدرک پروژه سته کاري BK 120 ы DT GCS **PEDCO**

شماره صفحه: 27 از ۷۰

TAG NO: MV-GLB-C03S-HO

سريال

0002

نسخه

D02

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

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

DESIGN DATA

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

Body Construction: Casting Trim 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: 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:

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.









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 D02

شماره صفحه :22 از ۷۰

TAG NO: MV-GLB-C03-GO

GENERAL DATA

Type of Valve: Globe

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

Valve Size Range: 8 ~ 12 inch

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

NACE MR0175/ISO15156 Compliance Yes

CODE & STANDARD

Design Code:

Face to Face Dimensional:

Fire Testing:

Pressure Testing:

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

Body Construction: Casting
Trim Construction: Casting
End Connection: FLGD
Finishing: RF

MATERIAL

Body/Bonnet ASTM A216 WCB

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

Cover/Bonnet: BB

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

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

Gland: 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 .04 - . 14 - 9114 ىستە كارى صادر کننده تسهيلات ر شته نوع مدرك سريال نسخه پروژه BK GCS **PEDCO** 120 Ы DT 0002 D02

شماره صفحه: 20 از 20

TAG NO: MV-GLB-C06-HO

		LΤΔ

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

DESIGN DATA

Pressure Rating: 600#
Design Pressure: 90 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-Mo
Disc Seat: 18Cr-8Ni-Mo
Body 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								
•34 - • 41 - 414	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه	
	BK	GCS	PEDCO	120	PI	DT	0002	D02	

شماره صفحه :23 از ۷۰

TAG NO: MV-GLB-C06S-HO

IAG NO. WIV-GLD						
GENERAL DA	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 & STAN	DARD					
Design Code:	BS 1873					
Face to Face Dimensional:	ASME B16.10					
Fire Testing:	API 6FA					
Pressure Testing:	As per API 598					
DESIGN DATA						
Pressure Rating:	600#					
Design Pressure:	62.4 BARG					
Design Temperature:	175 °C					
Body Construction:	Casting					
Trim Construction:	Casting					
End Connection:	FLGD (In acc. with ASME B16.5)					
Finishing:	RF					
MATERIA	Ĺ					
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					

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.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: · ۵۳ - · ۷۳ - 9114 پروژه نوع مدرک بسته کاري صادر کننده تسهيلات رشته سريال نسخه BK **GCS PEDCO** 120 Ы DT 0002 D02

شماره صفحه: 27 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:

BS 1873

Face to Face Dimensional:

Fire Testing:

API 6FA

Pressure Testing:

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:

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 - . 74 - 9114 پروژه نوع مدرک بسته کاري صادر کننده تسهيلات رشته سريال نسخه BK **GCS PEDCO** 120 Ы DT 0002 D02

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 inch Piping Class & C.A: FS00 & C.A: 0 Yes

NACE MR0175/ISO15156 Compliance

CODE & STANDARD

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

DESIGN DATA

600# Pressure Rating: Design Pressure: 62.4 BARG 175 °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)

вв Cover/Bonnet:

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:

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.





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** D02

TAG NO: MV-BAL-F08A

GENERAL DATA

No

Type of Valve: Ball

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

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

Design Code: BS EN ISO 17292
Face to Face Dimensional: ASME B16.10

Fire Testing: API 6FA

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

DESIGN DATA

DESIGNA

Pressure Rating: 800#

Design Pressure: 18.2 BARG

Design Temperature: 85 °C

Body Construction: Forged

Trim Construction: Forged (VTC)
End Connection: SW & SW/FNPT

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

MATERIAL

Body/Bonnet ASTM A105

Ball13CrStem:13CrSeat: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

- 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: ٥٠ 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** D02

TAG NO: MV-BAL-F08B

GENERAL DATA

Type of Valve: Ball

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

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

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

NACE MR0175/ISO15156 Compliance Yes (Except for AN04)

CODE & STANDARD

BS EN ISO 17292 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: 90 BARG 175 °C Design Temperature:

Body Construction: Forged Trim Construction: Forged (VTC)

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

MATERIAL

SW & SW/FNPT

ASTM A105 Body/Bonnet 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.B7M/ASTM A194 Gr.2HM

VTA

Bonnet Gasket: General Note:

Gland:

End Connection:

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: ٥١ 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** D02

TAG NO: MV-BAL-F08S

GENERAL DATA

Type of Valve: Ball

Pattern:

Full Bore, Floating Ball, Wrench .OP, 2 Pieces Valve Size Range: 1/2 ~ 1 1/2 inch

AS00, CS00 & FS00 & C.A: 0

Piping Class & C.A: NACE MR0175/ISO15156 Compliance Yes

CODE & STANDARD

BS EN ISO 17292 Design Code:

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

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

DESIGN DATA

800# Pressure Rating:

Design Pressure: 62.4 BARG

175 °C Design Temperature:

Body Construction: Forged Trim Construction: Forged (VTC)

End Connection: SW

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

MATERIAL

ASTM A182 F316L Body/Bonnet

Ball SS316 Stem: SS316 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

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.



احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک







شماره پیمان:

.04 - . 74 - 9114

DATA SHEETS FOR MANUAL VALVES

بسته کاري صادر كننده تسهيلات ، شته نوع مدر ک سريال پروژه BK GCS **PEDCO** 120 Ы DT 0002 D02

شماره صفحه: ۵۲ از ۷۰

TAG NO: MV-BAL-F08AZ

GENERAL DATA

Type of Valve: Ball Full Bore, Floating Ball, Wrench .OP, 2 Pieces Pattern: Valve Size Range: 1/2 ~ 1 1/2 inch

Piping Class & C.A: AZ00 & C.A: 0 No

NACE MR0175/ISO15156 Compliance

Pressure Testing:

Finishing:

CODE & STANDARD

BS EN ISO 17292 Design Code: Face to Face Dimensional: **ASME B16.10** API 6FA Fire Testing:

API 6D (Preferred)/API 598

DESIGN DATA

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

Body Construction: Forged End Connection: NPT 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:

STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING Packing:

VTA Gland:

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

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.



.04 - . 14 - 4114

نگهداشت و افزایش تولید میدان نفتی بینک سطحالارض

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک





DATA SHEETS FOR MANUAL VALVES

د پیسان.

نسخه سریال نوع مدرک رشته تسهیلات صادرکتنده بسته کاری پروژه BK GCS PEDCO 120 PI DT 0002 D02

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 & ST.	ANDARD
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
MATE	RIAL
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
Ganaral Notes	

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.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: DATA SHEETS FOR MANUAL VALVES .04 - . 44 - 9114 صادر كننده تسهيلات سته کاری

نوع مدرک سريال پروژه 120 ы DT 0002 BK **GCS PEDCO** D02

TAG NO: MV-BAL-C01AF-HO

GENERAL DATA

Type of Valve: Ball

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

Valve Size Range:

Piping Class & C.A: AN01 & C.A: 1 No

NACE MR0175/ISO15156 Compliance

CODE & STANDARD

ASME B16.10

API 6D/ASME B16.34 Design Code:

Face to Face Dimensional: Fire Testing: API 6FA

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

DESIGN DATA

150# Pressure Rating:

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

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

Finishing: RF

MATERIAL

Casting

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

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

DATA SHEETS FOR MANUAL VALVES شماره پیمان: .04 - . 44 - 9114 سته کاری صادر كننده تسهيلات ر شته نوع مدرک سريال پروژه شماره صفحه: ٥٥ از ٧٠ 120 ы DT 0002 BK **GCS PEDCO** D02

TAG NO: MV-BAL-C01AT-HO

GENERAL DATA

Type of Valve: Ball

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

3 ~ 6 inch Valve Size Range: AN01 & C.A: 1 Piping Class & C.A: No

NACE MR0175/ISO15156 Compliance

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

150# Pressure Rating:

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

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

Finishing: RF

MATERIAL

ASTM A216 WCB Body/Bonnet 13Cr Ball

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

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

 سماره پیمان:
 سماره پیمان:

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

PEDCO

120

نسخه D02 شماره صفحه: ٥٦ از ٧٠

TAG NO: MV-BAL-C01BF-HO

ы

GENERAL DATA

Type of Valve:

BK

GCS

Ball

Pattern:

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

0002

Valve Size Range:

2 inch

Piping Class & C.A:

AN04, AN05 & AN07 & C.A: 6

NACE MR0175/ISO15156 Compliance

Yes (Except for AN04)

DT

CODE & STANDARD

Design Code:

API 6D/ASME B16.34

Face to Face Dimensional:

ASME B16.10

Fire Testing:

API 6FA

Pressure Testing:

API 6D (Preferred)/API 598

DESIGN DATA

Pressure Rating:

150#

Design Pressure:

18.2 BARG

Design Temperature:

85 °C

Body Construction:

Casting

Trim Construction:

Casting

End Connection:

FLGD (In acc. with ASME B16.5)

Finishing:

RF

MATERIAL

Body/Bonnet

ASTM A216 WCB

Ball

SS316

Stem:

SS316

Seat:

PTFE

Seal:

Elast-o-Lion (VTC)

Packing:

STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

Gland: Bolt & Nut: VTA

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.
- 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							
.04 14 - 114	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه
	BK	GCS	PEDCO	120	PI	DT	0002	D02

شماره صفحه: ۵۷ از ۷۰

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:

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

BallSS316Stem: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

- 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							
· ۵۳ - · ۷۳ - 9 1 A F	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه
	BK	GCS	PEDCO	120	PI	DT	0002	D02

شماره صفحه: ۵۸ از ۷۰

TAG NO: MV-BAL-C01SF-HO					
GENERA	L DATA				
Type of Valve:	Ball				
Pattern:	Full/Reduced Bore,Split Body,Floating Ball,Wrench .OP,2 Pieces(Note10)				
Valve Size Range:	2 inch				
Piping Class & C.A:	AS00 & C.A: 0				
NACE MR0175/ISO15156 Compliance	Yes				
CODE & STANDARD					
Design Code:	API 6D/ASME B16.34				
Face to Face Dimensional:	ASME B16.10				
Fire Testing:	API 6FA				
Pressure Testing:	API 6D (Preferred)/API 598				
DESIGN	DATA				
Pressure Rating:	150#				
Design Pressure:	13.9 BARG				
Design Temperature:	85 °C				
Body Construction:	Casting				

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

Finishing:

MATERIAL

Casting

Body/Bonnet ASTM A351 CF3M Ball SS316 SS316 Stem: Seat: PTFE Seal: Elast-o-Lion (VTC)

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

Gland: VTA

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

Bonnet Gasket: VTA

General Note:

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 with weight of 500 KG and more shall be equipped with Lifting Lugs.
- 9. The body split shall be outside the plane of the stem protrusion

type (Full or Reduced)shall be in accordance with MTO for valves Document.No:BK-GCS-PEDCO-120-PI-MT-0004.

10.Bore







شماره صفحه: ٥٩ از ٧٠

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان: .04 - . 44 - 9114

DATA SHEETS FOR MANUAL VALVES رشته سته کاری صادر كننده تسهيلات نوع مدرک سريال 120 ы DT 0002 BK **GCS PEDCO** D02

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:

Face to Face Dimensional:

Fire Testing:

Pressure Testing:

API 6D/ASME B16.34

ASME B16.10

API 6FA

API 6D (Preferred)/API 598

DESIGN DATA

Pressure Rating:

Design Pressure:

Design Temperature:

Body Construction:

Trim Construction:

End Connection:

Finishing:

150#

13.9 **BARG**

85 °C

Casting

Casting

FLGD (In acc. with ASME B16.5)

RF

MATERIAL

Body/Bonnet

Ball

Stem:

Seat: Seal:

Gland:

Packing:

Bolt & Nut: Bonnet Gasket:

ASTM A351 CF3M SS316

SS316

PTFE

Elast-o-Lion (VTC)

STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

VTA

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

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.







شماره صفحه: ٦٠ از ٧٠

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان: DATA SHEETS FOR MANUAL VALVES ۹۱۸۴ - ۲۷۰ - ۳۵۰ بسته کاری صادر كننده تسهيلات رشته نوع مدرک سريال نسخه پروژه GCS PEDCO DT 0002 BK 120 Ы D02

TAG NO: MV-BAL-C01-GO

GENERAL DATA

Type of Valve: Ball

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

Valve Size Range: $8 \sim 10 \text{ inch} \rightarrow 2 \text{ Piecess}$ $12 \sim 16 \text{ inch} \rightarrow 3 \text{ Piecess}$

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:

Fire Testing:

ASME B16.10

API 6FA

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

DESIGN DATA

Pressure Rating: 150#

Design Pressure: 18.2 BARG
Design Temperature: 85 °C

Body Construction: Casting
Trim Construction: Casting

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

Finishing:

MATERIAL

Body/Bonnet ASTM A216 WCB

Ball SS316
Stem: SS316
Seat: PTFE

Seal: Elast-o-Lion (VTC)

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE

rg: + 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.
- 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										
100-100-9104	پروژه	بسته کاری	صادركننده	تسهيلات	رشته	نوع مدر ک	سريال	نسخه	شماره صفحه: ٦١ از ٧٠			
	BK	GCS	PEDCO	120	PI	DT	0002	D02				

TAG NO: MV-BAL-C01S-GO GENERAL DATA

Type of Valve:

Ball

Pattern:

Ball

Full/Reduced Bore, Split Body, Trunnion Mounted, Gear . OP(Note10)

Valve Size Range: $8 \sim 10 \text{ inch} \rightarrow 2 \text{ Piecess}$ $12 \sim 16 \text{ inch} \rightarrow 3 \text{ Piecess}$

Piping Class & C.A:

AS00 & C.A: 0

NACE MR0175/ISO15156 Compliance

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

Design Pressure:

Design Temperature:

Body Construction:

Trim Construction:

13.9 BARG

85 °C

Casting

Casting

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

Finishing:

MATERIAL

Body/Bonnet ASTM A351 CF3M

Ball SS316
Stem: SS316
Seat: PTFE

Seal: Elast-o-Lion (VTC)

Body Seat: PTFE

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

Gland: VTA

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

Bonnet Gasket: VTA

General Note:

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

Reduced) shall be in accordance with MTO for valves Document. No: BK-GCS-PEDCO-120-PI-MT-0004.

10.Bore type (Full or







شماره صفحه: ۱۲ از ۷۰



احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:	DATA SHEETS FOR MANUAL VALVES									
•۵4 - • ٧4 - ٩ ١٨٤	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه		
	BK	GCS	PEDCO	120	PI	DT	0002	D02		

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: Casting

End Connection: 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										
•۵4 - • 4 - • 4 - • • • • • • • • • • • •	پروژه	بسته کاری	صادركننده	تسهيلات	نوع مدرک	سريال	نسخه					
	BK	GCS	PEDCO	120	PI	DT	0002	D02				

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 in

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

NACE MR0175/ISO15156 Compliance

CODE & STANDARD

Design Code:

API 6D/ASME B16.34
Face to Face Dimensional:

ASME B16.10
Fire Testing:

API 6FA

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

DESIGN DATA

Pressure Rating: 300#

Design Pressure: 47.7 BARG

Design Temperature: 155 °C

Body Construction: Casting

Trim Construction: Casting

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

Finishing:

MATERIAL

RF

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: 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:									
· ۵۳ - · ۷۳ - 9 ۱ ۸ ۴	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه	شماره صف ح ه: ۲۶ از ۷۰
	BK	GCS	PEDCO	120	PI	DT	0002	D02	

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 (Note10)

2 inch CS00 & C.A: 0

Yes

CODE & STANDARD

Design Code:

Face to Face Dimensional:

Fire Testing:

to Face Dimensional:

Pressure Testing:

API 6D/ASME B16.34

ASME B16.10

API 6FA

API 6D (Preferred)/API 598

DESIGN DATA

Pressure Rating:

Design Pressure:

Design Temperature:

Body Construction:

Trim Construction:

End Connection:

Finishing:

300# 30.3

BARG

155 °C

Casting

Casting

FLGD (In acc. with ASME B16.5)

RF

MATERIAL

Body/Bonnet

ASTM A351 CF3M SS316

Ball Stem:

SS316

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.
- 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.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:	DATA SHEETS FOR MANUAL VALVES										
•24 - • • • • • • • • • • • • • • • • • •	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدر ک	سريال	نسخه			
	BK	GCS	PEDCO	120	PI	DT	0002	D02			

شماره صفحه: ٦٥ از ٧٠

TAG NO: MV-BAL-C03ST-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,2Pieces(Note10)

3~4 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 6FA

API 6D (Preferred)/API 598

DESIGN DATA

Pressure Rating:300#Design Pressure:30.3BARGDesign Temperature:155°CBody Construction:CastingTrim Construction:Casting

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

Finishing:

MATERIAL

RF

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









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:									
۹۱۸۴ – ۲۷۰ – ۳۵۰	پروژه	بسته کاری	صادر کننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه	شماره صفحه: ٦٦ از ٧٠
	BK	GCS	PEDCO	120	PI	DT	0002	D02	

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							
DECICAL DATA								

DESIGN DATA

Pressure Rating: 600#
Design Pressure: 90 BARG
Design Temperature: 175 °C
Body Construction: Casting
Trim Construction: Casting

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

Finishing:

RF MATERIAL

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

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.

- 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.



.04 - . 1

نگهداشت و افزایش تولید میدان نفتی بینک سطحالارض





احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:

ساره پیسان.

DATA SHEETS FOR MANUAL VALVES

4114	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه	شماره صفحه: ٦٧ از ٧٠
	BK	GCS	PEDCO	120	PI	DT	0002	D02	

TAG NO: MV-BAL-C06-GO

	GENERAL DATA								
Type of Valve:	Ball								
Pattern:	Full/Reduced Bore,Split Body,Trunnion Mounted, Gear .OP,3 Pieces(Note11)								
Valve Size Range:	4 ~ 10 inch								
Piping Class & C.A:	FN05 & FN07 & C.A: 6								
NACE MR0175/ISO15156 Compliance	Yes								
	CODE & STANDARD								
Design Code:	API 6D/ASME B16.34								
Face to Face Dimensional:	ASME B16.10								
Fire Testing:	API 6FA								
Pressure Testing: API 6D (Preferred)/API 598									
DESIGN DATA									
Pressure Rating:	600#								
Design Pressure:	90 BARG								
Design Temperature:	175 °C								
Body Construction:	Casting								
Trim Construction:	Casting								
End Connection:	FLGD (In acc. with ASME B16.5)								
Finishing:	RF								
	MATERIAL								
Body/Bonnet	ASTM A216 WCB								
Ball	SS316								
Stem:	SS316								
Seat:	PTFE								
Seal:	Elast-o-Lion (VTC)								
Packing:	STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE								
Gland:	+ PACKING RING								
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.
- 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:									
• ۵4 - • 44 - 414	پروژه	بسته کاری	صادر کننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه	شماره صفحه: ۱۸ از ۷۰
	BK	GCS	PEDCO	120	PI	DT	0002	D02	

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 (Note10)

2 ~ 3 inch

FS00 & 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: 600#

Design Pressure: 62.4 BARG

Design Temperature: 175 °C

Body Construction: Casting

Trim Construction: Casting

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

Finishing: RF

MATERIAL

Body/Bonnet ASTM A351 CF3M

Ball SS316
Stem: SS316
Seat: PTFE

Seal: Elast-o-Lion (VTC)

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE

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.







احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: · ۵۳ - · ۷۳ - 9114 بسته کاري صادر كننده تسهيلات نوع مدرک سريال پروژه شماره صفحه: ٦٩ از ٧٠ DT BK 120 ы 0002 **GCS PEDCO** D02

TAG NO: MV-BAL-C06S-GO

GENERAL DATA

Type of Valve:

Pattern:

Valve Size Range:

Piping Class & C.A:

NACE MR0175/ISO15156 Compliance

Ball

Full/Reduced Bore, Split Body, Trunnion Mounted, Gear . OP, 3 Pieces (Note10)

4 ~ 8 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

Body/Bonnet ASTM A351 CF3M

BallSS316Stem:SS316Seat: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

- 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.









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 120 Ы DT 0002 **GCS PEDCO** D02

شماره صفحه: ۲۰ از ۲۰

TAG NO: MV-BUT-C01-HO

GENERAL DATA

Type of Valve: Butterfly

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

Valve Size Range: $1 \sim 4$ inch Piping Class & C.A: AX01 & C.A: 0

NACE MR0175/ISO15156 Compliance No

CODE & STANDARD

Design Code:

Face to Face Dimensional:

Fire Testing:

Pressure Testing:

API 609/CAT A

API 609

API 609

API 609

API 699

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), FF

Finishing:

MATERIAL

Body/CoverA 216 WCBTrim13Crshaft13 CrDisc Seat:13 CrBody Seat:PTFE

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE

Gland: + PACKING RING

Bolt & Nut: VTA
Bonnet Gasket: VTA

General Note:

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

- 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.