

شرکت تومد پتروایرا^ن



احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES

شماره پیمان: ۹۱۸۴ – ۷۳۰ – ۵۳۰

					نوع مدرک		
BK	GCS	PEDCO	120	PI	DT	0002	D00

شماره صفحه: ۱ از ۲۲

نگهداشت و افزایش تولید میدان نفتی بینک

DATA SHEETS FOR MANUAL VALVES

نگهداشت و افزایش تولید میدان نفتی بینک

Class: 2	I.	CLIENT Doc. Number: F0Z-708885									
Rev.	Date	Purpose of Issue / Status	Prepared by:	Checked by:	Approved by:	CLIENT Approval					
D00	JUL.2022	IFC	F.Mosayebnejad	M.Fakharian	M.Mehrshad						

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



 $\bullet \Delta T - \bullet V T - 91 \Delta F$

نگهداشت و افزایش تولید میدان نفتی بینک سطحالارض

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک DATA SHEETS FOR MANUAL VALVES







پروژه

BK

شماره پیمان:

تسهیلات صادر کننده بسته کاری

GCS PEDCO 120

نوع مدرک PΙ DT

سر يال نسخه 0002 D00

شماره صفحه: ۲ از ۲۲

REVISION RECORD SHEET

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

 DATA SHEETS FOR MANUAL VALVES

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

 BK
 GCS
 PEDCO
 120
 PI
 DT
 0002
 D00

شماره صفحه :۳ از ۲۲

	TAG NO: MV-CHK-F08A
	GENERAL DATA
Type of Valve:	Check
Pattern:	Piston Lift Type
Valve Size Renge:	1/2 ~ 1 1/2 inch
	CODE & STANDARD
Design Code:	BS EN ISO 15761
Face to Face Dimensional:	ASME B16.10
Fire Testing:	API 6FA
Pressure Testing:	As per API 598
	DESIGN DATA
Pressure Rating:	800#
Design Pressure:	90
Design Temperature:	85
Body Construction:	Forged
End Connection:	sw
Finishing:	NA
	MATERIAL
Body/Bonnet	ASTM A105
Ball/Disc/Plug:	ASTM A 182 F6A/STL (Trim No. 8)
Cover/Bonnet:	BC
Stem:	NA
Disc Seat:	ASTM A 182 F6A
Body Seat:	STL
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.
- 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.

VTA

- 5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
- 6. All valve data sheets shall be confirmed by vendor.
- 7.All valve shall have a fire-safe design.
- 8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve" 9.Valves shall meet requirements of NACE MR0175/ISO 15156.
- 10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.









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 مدر ک	سريال	نسخه					
	BK	GCS	PEDCO	120	PI	DT	0002	D00					

شماره صفحه :2 از 22

	TAG NO: MV-CHK-F08B							
GENERAL DATA								
Type of Valve:	Check							
Pattern:	Piston Lift Type							
Valve Size Renge:	1/2 ~ 1 1/2 inch							
	CODE & STANDARD							
Design Code:	BS EN ISO 15761							
Face to Face Dimensional:	ASME B16.10							
Fire Testing:	API 6FA							
Pressure Testing:	As per API 598							
	DESIGN DATA							
Pressure Rating:	800#							
Design Pressure:	90							
Design Temperature:	85							
Body Construction:	Forged							
End Connection:	sw							
Finishing:	NA							
	MATERIAL							
Body/Bonnet	ASTM A105							
Ball/Disc/Plug:	ASTM A 182 F316/STL (Trim No. 12)							
Cover/Bonnet:	ВС							
Stem:	NA							
Disc Seat:	ASTM A 182 F316							
Body Seat:	STL							
Packing:	NA							
Gland:	NA							
Bolt & Nut:	ASTM A193 Gr.B7M/ASTM A194 Gr.2HM							
Gasket Bonnet:	VTA							

General Note:

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









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 مدر ک	سريال	نسخه					
	BK	GCS	PEDCO	120	PI	DT	0002	D00					

شماره صفحه :٥ از ٦٢

				_								
			т	AG NO: M	IV-CHK-I	F08S						
				GENER	AL DATA	4						
Type of Valve:					(Check						
Pattern:					ı	Piston Lift T	уре					
Valve Size Renge:					:	1/2 ~ 1 1/2	inch					
				CODE & S	TANDAI	RD						
Design Code:				CODE & 3		BS EN ISO 1	E761					
Face to Face Dimensional:						ASME B16.1						
							10					
Ü							-00					
Pressure Testing: As per API 598 DESIGN DATA												
Pressure Rating:						800#						
Design Pressure:						90						
Design Temperature:						85						
Body Construction:						Forged						
End Connection:						SW						
Finishing:						NA						
				MAT	ERIAL							
Body/Bonnet					,	ASTM A182	F316L					
Ball/Disc/Plug:					,	ASTM A 182	2 F316	(Trim No	. 10)			
Cover/Bonnet:					I	ВС						
Stem:					ı	NA						
Disc Seat:					,	ASTM A 182	2 F316					
Body Seat:					,	VTA						
Packing:					ı	NA						
Gland:					ļ	NA						
Bolt & Nut:					,	ASTM A193 (Gr.B8M,	/ASTM A1	94 Gr.8M			
Gasket Bonnet:					,	VTA						

General Note:

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









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:			DATA SH	DATA SHEETS FOR MANUAL VALVES						
.04 14 - 1146	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه		
	BK	GCS	PEDCO	120	PI	DT	0002	D00		

شماره صفحه :۲ از ۲۲

TAG NO: MV-CHK-F08AZ									
GENERAL DATA									
Type of Valve:	Check								
Pattern:	Piston Lift Type								
Valve Size Renge:	1/2 ~ 1 1/2 inch								
CODE & STANDARD									
Design Code:	BS 5154								
Face to Face Dimensional:	ASME B16.10								
Fire Testing:	API 6FA								
Pressure Testing:	As per API 598								
	DESIGN DATA								
Pressure Rating:	800#								
Design Pressure:	18								
Design Temperature:	85								
Body Construction:	Forged								
End Connection:	NPT								
Finishing:	NA								
	MATERIAL								
Body/Bonnet	ASTM B148 UNS C95800								
Ball/Disc/Plug:	Aluminium Bronze								
Cover/Bonnet:	Screwed Bonnet								
Stem:	NA								
Disc Seat:	Aluminium Bronze								
Body Seat:	VTA								
Packing:	NA								
Gland:	NA								
Bolt & Nut:	VTA								
Bonnet Gasket:	VTA								

General Note:

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

- 4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
- 5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
- 6. All valve data sheets shall be confirmed by vendor.
- 7.All valve shall have a fire-safe design.
- 8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
- 9. Valves shall meet requirements of NACE MR0175/ISO 15156.
- 10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.





شماره صفحه : ۷ از ۲۲





احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:			ALVES					
.0414 - 114	پروژه	بسته کاری	صادر کننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه
	BK	GCS	PEDCO	120	PI	DT	0002	D00

TAG NO: MV-CHK-C01A

TAG NOT MY GIRC COLA								
4								
Check								
Swing Type								
2 ~ 24 inch								
CODE & STANDARD								
BS 1868/API 6D								
ASME B16.10								
API 6FA								
As per API 598								
DESIGN DATA								
150#								
18.2								
85								
Casting								
FLGD (In acc. with ASME B16.5)								
RF								
ASTM A216 WCB								
13 Cr/STL (Trim No. 8)								
BC								
NA								
13Cr								
STL								
NA								

NA

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

Gasket Bonnet: **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.

- 4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
- 5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
- 6. All valve data sheets shall be confirmed by vendor.
- 7.All valve shall have a fire-safe design.
- 8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
- 9. Valves shall meet requirements of NACE MR0175/ISO 15156.
- 10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.





شماره صفحه : ۱ از ۲۲





احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:		DATA SHEETS FOR MANUAL VALVES								
.04 14 - 1146	پروژه	بسته کاری	صادر کننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه		
	BK	GCS	PEDCO	120	PI	DT	0002	D00		

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

TAG NO: MV-CHK-	C01B
GENERAL DATA	A
Type of Valve:	Check
Pattern:	Swing Type
Valve Size Renge:	2 ~ 24 inch
CODE & STANDA	IRD
Design Code:	BS 1868/API 6D
Face to Face Dimensional:	ASME B16.10
Fire Testing:	API 6FA
Pressure Testing:	As per API 598
DESIGN DATA	
Pressure Rating:	150#
Design Pressure:	18.2
Design Temperature:	85
Body Construction:	Casting
End Connection:	FLGD (In acc. with ASME B16.5)
Finishing:	RF
MATERIAL	
Body/Bonnet	ASTM A216 WCB
Ball/Disc/Plug:	18-8 Cr-Ni/STL (Trim No. 12)
Cover/Bonnet:	BC
Stem:	NA
Disc Seat:	18-8 Cr-Ni
Body Seat:	STL
Packing:	NA
Gland:	NA

Gasket Bonnet: **General Note:**

Bolt & Nut:

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

- 4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
- 5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
- 6. All valve data sheets shall be confirmed by vendor.
- 7.All valve shall have a fire-safe design.
- 8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
- 9. Valves shall meet requirements of NACE MR0175/ISO 15156.
- 10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:		DATA SHEETS FOR MANUAL VALVES							
. 24 14 - 1146	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه	
	BK	GCS	PEDCO	120	PI	DT	0002	D00	

شماره صفحه : ۹ از ۲۲

TAG NO: MV-CHK-C01S						
	GENERAL DATA					
Type of Valve:	Check					
Pattern:	Swing Type					
Valve Size Renge:	2 ~ 24 inch					
	CODE & STANDARD					
Design Code:	BS 1868/API 6D					
Face to Face Dimensional:	ASME B16.10					
Fire Testing:	API 6FA					
Pressure Testing:	As per API 598					
	DESIGN DATA					
Pressure Rating:	150#					
Design Pressure:	18.2					
Design Temperature:	85					
Body Construction:	Casting					
End Connection:	FLGD (In acc. with ASME B16.5)					
Finishing:	RF					
	MATERIAL					
Body/Bonnet	ASTM A351 CF3M					
Ball/Disc/Plug:	18-8 Cr-Ni (Trim No. 10)					
Cover/Bonnet:	BC					
Stem:	NA					
Disc Seat:	18-8 Cr-Ni					
Body Seat:	VTA					
Packing:	NA					
Gland:	NA					

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

Gasket Bonnet: **General Note:**

Bolt & Nut:

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

- 4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
- 5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
- 6. All valve data sheets shall be confirmed by vendor.
- 7.All valve shall have a fire-safe design.
- 8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
- 9. Valves shall meet requirements of NACE MR0175/ISO 15156.
- 10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:	DATA SHEETS FOR MANUAL VALVES							
· ۵۳ - · ۷۳ — 9 ۱ ۸ ۴	پروژه	بسته کاری	صادر کننده	تسهيلات	رشته	نوع مدرک	سر يال	نسخه
	BK	GCS	PEDCO	120	Ē	DT	0002	D00

شماره صفحه :۱۰ از ۲۲

TAG NO: MV-CHK-C03

	GENERAL DATA	
Type of Valve:	Check	
Pattern:	Swing Type	
Valve Size Renge:	2 ~ 24 inch	
	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:	300#
Design Pressure:	48
Design Temperature:	85
Body Construction:	Casting
End Connection:	FLGD
Finishing:	RF

MATERIAL

Body/Bonnet	ASTM A216 WCB
Ball/Disc/Plug:	13 Cr/STL (Trim No. 8)
Cover/Bonnet:	BC
Stem:	NA
Disc Seat:	13Cr
Body Seat:	STL
Packing:	NA
Gland:	NA
Bolt & Nut:	ASTM A193 Gr.B7M/ASTM A194 Gr.2HM
Gasket Bonnet:	VTA

General Note:

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

 However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.
- 4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
- 5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
- 6. All valve data sheets shall be confirmed by vendor.
- 7.All valve shall have a fire-safe design.
- 8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
- 9. Valves shall meet requirements of NACE MR0175/ISO 15156.
- 10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.





شماره صفحه: ۱۱ از ۲۲





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	D00		

	TAG NO: MV-CHK-C03S
	GENERAL DATA
Type of Valve:	Check
Pattern:	Swing Type
Valve Size Renge:	2 ~ 24 inch
	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:	300#
Design Pressure:	48
Design Temperature:	85
Body Construction:	Casting
End Connection:	FLGD (In acc. with ASME B16.5)
Finishing:	RF
	MATERIAL
Body/Bonnet	ASTM A351 CF3M
Ball/Disc/Plug:	18-8 Cr-Ni (Trim No. 10)
Cover/Bonnet:	ВС
Stem:	NA
Disc Seat:	18-8 Cr-Ni
Body Seat:	VTA
Packing:	NA
Gland:	NA
Bolt & Nut:	ASTM A193 Gr.B8M/ASTM A194 Gr.8M

VTA

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.
- However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.
- 4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
- 5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
- 6. All valve data sheets shall be confirmed by vendor.
- 7.All valve shall have a fire-safe design.
- 8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
- 9. Valves shall meet requirements of NACE MR0175/ISO 15156.
- 10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان: DATA SHEETS FOR MANUAL VALVES .04 - . 14 - 9114 تسهيلات نسخه بسته کاری صادر كننده رشته نوع مدرک سريال پروژه Ы 0002 BK **GCS PEDCO** 120 DT D00

شماره صفحه :۱۲ از ٦٢

TAG NO: MV-CHK-C06							
GENERAL	DATA						
Type of Valve:	Check						
Pattern:	Swing Type						
Valve Size Renge:	2 ~ 12 inch						
CODE & STA	NDARD						
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:	600#						
Design Pressure:	90						
Design Temperature:	85						
Body Construction:	Casting						
End Connection:	FLGD						
Finishing:	RF						
MATER	IAL						
Body/Bonnet	ASTM A216 WCB						
Ball/Disc/Plug:	13 Cr/STL (Trim No. 8)						
Cover/Bonnet:	BC						
Stem:	NA						
Disc Seat:	13Cr						
Body Seat:	STL						
Packing:	NA						
Gland:	NA						
Bolt & Nut:	ASTM A193 Gr.B7M/ASTM A194 Gr.2HM						

VTA

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.
 However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.
- 4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
- 5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
- 6. All valve data sheets shall be confirmed by vendor.
- 7.All valve shall have a fire-safe design.
- 8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
- 9. Valves shall meet requirements of NACE MR0175/ISO 15156.
- 10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.





شماره صفحه :۱۳ از ۲۲





احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:		DATA SHEETS FOR MANUAL VALVES								
· ۵۳ - · ۷۳ - ۹ ۱ ۸ ۴	پروژه	بسته کاری	صادر کننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه		
	BK	GCS	PEDCO	120	PI	DT	0002	D00		

TAG NO: MV-CHK-C06S

GENERAL DATA

Type of Valve:

Pattern:

Valve Size Renge:

Check

Swing Type

2 ~ 24 inch

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: 600#
Design Pressure: 90
Design Temperature: 85
Body Construction: Casting

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

Finishing:

MATERIAL

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

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.
 However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.
- 4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
- 5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
- 6. All valve data sheets shall be confirmed by vendor.
- 7.All valve shall have a fire-safe design.
- 8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
- 9. Valves shall meet requirements of NACE MR0175/ISO 15156.
- 10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

سماره پیمان:	DATA SHEETS FOR MANUAL VALVES							
.0414 - 114	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدرک	سر يال	نسخه
	BK	GCS	PEDCO	120	PI	DT	0002	D00

شماره صفحه :۱۶ از ۲۲

TAG NO: MV-GAT-F08A								
GENERAL DATA								
Type of Valve:	Gate							
Pattern:	Solid Wedge, H.W.OP							
Valve Size Renge:	1/2 ~ 1 1/2 inch							
C	ODE & STANDARD							
Design Code:	API602							
Face to Face Dimensional:	ASME B16.10							
Fire Testing:	API 6FA							
Pressure Testing:	As per API 598							
	DESIGN DATA							
Pressure Rating:	800#							
Design Pressure:	90							
Design Temperature:	85							
Body Construction:	Forged							
End Connection:	SW & SW/FNPT							
Finishing:	NA							
	MATERIAL							
Body/Bonnet	ASTM A105							
Ball/Disc/Plug:	ASTM A 182 F6A/STL (Trim No. 8)							
Cover/Bonnet:	ВВ							
Stem:	ASTM A 182 F6A							
Disc Seat:	ASTM A 182 F6A							
Body Seat:	STL							
Packing:	STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING							

VTA

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

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. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
- 9. Valves shall meet requirements of NACE MR0175/ISO 15156.
- 10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:		DATA SHEETS FOR MANUAL VALVES						
•04 - • 14 - • 174	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدرک	سر يال	نسخه
	BK	GCS	PEDCO	120	PI	DT	0002	D00

شماره صفحه :۱۵ از ۲۲

TAG NO: MV-GAT-F08B						
GENERAL DATA						
Type of Valve:	Gate					
Pattern:	Solid Wedge, H.W.OP					
Valve Size Renge:	1/2 ~ 1 1/2 inch					
	CODE & STANDARD					
Design Code:	API602					
Face to Face Dimensional:	ASME B16.10					
Fire Testing:	API 6FA					
Pressure Testing:	As per API 598					
	DESIGN DATA					
Pressure Rating:	800#					
Design Pressure:	90					
Design Temperature:	85					
Body Construction:	Forged					
End Connection:	SW & SW/FNPT					
Finishing:	NA					
	MATERIAL					
Body/Bonnet	ASTM A105					
Ball/Disc/Plug:	ASTM A 182 F316/STL (Trim No. 12)					
Cover/Bonnet:	ВВ					
Stem:	ASTM A 182 F316					
Disc Seat:	ASTM A 182 F316					
Body Seat:	STL					
Packing:	STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING					

VTA

VTA

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

Bonnet Gasket: General Note:

Bolt & Nut:

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









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان: DATA SHEETS FOR MANUAL VALVES بسته کاري نوع مدرک .04 - . 14 - 9114 صادر کننده سر يال پروژه تسهيلات رشته نسخه PEDCO BK 120 Ы DT 0002 **GCS** D00

شماره صفحه :۱٦ از ٦٢

TAG NO: MV-GAT-F08S							
GENERAL DATA							
Type of Valve:	Gate						
Pattern:	Solid Wedge, H.W.OP						
Valve Size Renge:	1/2 ~ 1 1/2 inch						
	CODE & STANDARD						
Design Code:	API602						
Face to Face Dimensional:	ASME B16.10						
Fire Testing:	API 6FA						
Pressure Testing:	As per API 598						
	DESIGN DATA						
Pressure Rating:	800#						
Design Pressure:	90						
Design Temperature:	85						
Body Construction:	Forged						
End Connection:	SW & SW/FNPT						
Finishing:	NA						
	MATERIAL						
Body/Bonnet	ASTM A182 F316L						
Ball/Disc/Plug:	ASTM A 182 F316 (Trim No. 10)						
Cover/Bonnet:	BB						
Stem:	ASTM A 182 F316						
Disc Seat:	ASTM A 182 F316						
Body Seat:	VTA						
Packing:	STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING						

VTA

VTA

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

Bonnet Gasket: General Note:

Gland: Bolt & Nut:

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









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان: DATA SHEETS FOR MANUAL VALVES · ۵۳ - · ۷۳ - 9 1 A F بسته کاري صادر كننده تسهيلات رشته نوع مدرک سريال پروژه 0002 BK GCS **PEDCO** 120 Ы DT D00

شماره صفحه :۱۷ از ۲۲

TAG NO: MV-GAT-F08AZ

	TAG NO. WIV-GAT-FUSAZ
	GENERAL DATA
Type of Valve:	Gate
Pattern:	Solid Wedge, H.W.OP
Valve Size Renge:	1/2 ~ 1 1/2 inch
	CODE & STANDARD
Design Code:	BS 5154
Face to Face Dimensional:	ASME B16.10
Fire Testing:	API 6FA
Pressure Testing:	As per API 598
	DESIGN DATA
Pressure Rating:	800#
Design Pressure:	18
Design Temperature:	85
Body Construction:	Forged
End Connection:	NPT
Finishing:	NA
	MATERIAL
Body/Bonnet	ASTM B148 UNS C95800
Ball/Disc/Plug:	Aluminium Bronze
Cover/Bonnet:	Screwed Bonnet
Stem:	Aluminium Bronze
Disc Seat:	Aluminium Bronze
Body Seat:	VTA
Packing:	STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING
Gland:	VTA
Bolt & Nut:	VTA
Bonnet Gasket:	VTA

General Note:

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









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: .04 - . 74 - 4114 بسته کاري صادر كننده سريال پروژه تسهيلات رشته نوع مدر ک نسخه Ы BK GCS 0002 **PEDCO** 120 DT D00

شماره صفحه :۱۸ از ۲۲

TAG NO: MV-GAT-C01A-HO

GENERAL DATA

Type of Valve: Gate

Pattern: Flexible Wedge, H.W.OP

Valve Size Renge: 2~10 inch

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# 18 Design Pressure: Design Temperature: 85 **Body Construction:** Casting

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

Finishing: RF

MATERIAL

Body/Bonnet ASTM A216 WCB Ball/Disc/Plug: 13Cr/STL (Trim No. 8) ВВ Cover/Bonnet: Stem: 13Cr Disc Seat: 13Cr STL **Body Seat:**

STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE Packing:

+ PACKING RING

VTA Gland:

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

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. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve" 9. Valves shall meet requirements of NACE MR0175/ISO 15156.
- 10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: .04 - . 74 - 4114 بسته کاري صادر كننده سريال پروژه تسهيلات رشته نوع مدر ک Ы BK GCS 0002 **PEDCO** 120 DT D00

شماره صفحه: ۱۹ از ۲۲

TAG NO: MV-GAT-C01B-HO

GENERAL DATA

Type of Valve: Gate

Pattern: Flexible Wedge, H.W.OP

Valve Size Renge: 2~10 inch

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# 18 Design Pressure: Design Temperature: 85 **Body Construction:** Casting

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

Finishing: RF

MATERIAL

Body/Bonnet ASTM A216 WCB

Ball/Disc/Plug: 18-8 Cr-Ni/STL (Trim No. 12)

ВВ Cover/Bonnet:

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

STL **Body Seat:**

STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE Packing:

+ PACKING RING

VTA Gland:

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

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. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve" 9. Valves shall meet requirements of NACE MR0175/ISO 15156.
- 10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: .04 - . 74 - 4114 بسته کاري صادر كننده سريال پروژه تسهيلات رشته نوع مدر ک Ы BK GCS 0002 **PEDCO** 120 DT D00

شماره صفحه :۲۰ از ۲۲

TAG NO: MV-GAT-C01S-HO

GENERAL DATA

Type of Valve: Gate

Pattern: Flexible Wedge, H.W.OP

Valve Size Renge: 2~10 inch

CODE & STANDARD

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

DESIGN DATA

Pressure Rating: 150#
Design Pressure: 18
Design Temperature: 85
Body Construction: Casting

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

Finishing:

MATERIAL

Body/BonnetASTM A351 CF3MBall/Disc/Plug:18-8 Cr-Ni (Trim No. 10)Cover/Bonnet:BBStem:18-8 Cr-NiDisc Seat:18-8 Cr-NiBody Seat:VTA

STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE

+ PACKING RING

Gland: VTA

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

Bonnet Gasket: V

General Note:

Packing:

- 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. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve" 9.Valves shall meet requirements of NACE MR0175/ISO 15156.
- 10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.







شماره صفحه: ۲۱ از ۲۲

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان: DATA SHEETS FOR MANUAL VALVES __ ىستە كارى صادر کننده · ۵۳ - · ۷۳ - 9114 پروژه تسهيلات نوع مدرک سريال ن...**خ**ه BK **GCS PEDCO** 120 ы DT 0002 D00

TAG NO: MV-GAT-C01A-GO

GENERAL DATA

Type of Valve: Gate

Pattern: Flexible Wedge, Gear .OP

Valve Size Renge: 12~24 inch

CODE & STANDARD

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

DESIGN DATA

Pressure Rating: 150# 18 Design Pressure: 85 Design Temperature: **Body Construction:** Casting

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

Finishing:

MATERIAL

Body/Bonnet ASTM A216 WCB Ball/Disc/Plug: 13Cr/STL (Trim No. 8) Cover/Bonnet: вв

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

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

Gland: VTA

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

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. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
- 9. Valves shall meet requirements of NACE MR0175/ISO 15156.
- 10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.





شماره صفحه :۲۲ از ۲۲



احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان: DATA SHEETS FOR MANUAL VALVES __ ىستە كارى · ۵۳ - · ۷۳ - 9114 پروژه صادر کننده تسهيلات نوع مدرک سريال ن...**خ**ه BK **GCS PEDCO** 120 ы DT 0002 D00

TAG NO: MV-GAT-C01B-GO

GENERAL DATA

Type of Valve: Gate

Pattern: Flexible Wedge, Gear .OP

Valve Size Renge: 12~24 inch

CODE & STANDARD

Design Code:

Face to Face Dimensional:

Fire Testing:

API 6FA

Pressure Testing:

API 6FA

As per API 598

DESIGN DATA

Pressure Rating: 150#
Design Pressure: 18
Design Temperature: 85
Body Construction: Casting

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

Finishing:

MATERIAL

Body/Bonnet ASTM A216 WCB

Ball/Disc/Plug: 18-8 Cr-Ni/STL (Trim No. 12)

Cover/Bonnet: BB
Stem: 18-8 Cr-Ni
Disc Seat: 18-8 Cr-Ni
Body Seat: STL

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. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
- 9. Valves shall meet requirements of NACE MR0175/ISO 15156.
- 10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.







احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان: DATA SHEETS FOR MANUAL VALVES __ ىستە كارى · ۵۳ - · ۷۳ - 9114 پروژه صادر کننده تسهيلات نوع مدرک سريال ن...**خ**ه BK **GCS PEDCO** 120 ы DT 0002 D00

شماره صفحه :۲۳ از ۲۲

TAG NO: MV-GAT-C01S-GO

GENERAL DATA

Type of Valve: Gate

Pattern: Flexible Wedge, Gear .OP

Valve Size Renge: 12~24 inch

CODE & STANDARD

Design Code:

Face to Face Dimensional:

Fire Testing:

API 6FA

Pressure Testing:

API 6FA

As per API 598

DESIGN DATA

Pressure Rating: 150#
Design Pressure: 18
Design Temperature: 85
Body Construction: Casting

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

Finishing:

MATERIAL

Body/Bonnet ASTM A351 CF3M

Ball/Disc/Plug: 18-8 Cr-Ni (Trim No. 10)

Cover/Bonnet: BB

Stem: 18-8 Cr-Ni

Disc Seat: 18-8 Cr-Ni

Body Seat: VTA

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

Gland: VTA

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

Bonnet Gasket:

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. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
- 9. Valves shall meet requirements of NACE MR0175/ISO 15156.
- 10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.







احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

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

شماره صفحه :۲۲ از ۲۲

سريال

نسخه

D00

TAG NO. INV-GA	1-005-110
GENERAL D	АТА
Type of Valve:	Gate
Pattern:	Flexible Wedge, H.W.OP
Valve Size Renge:	2~10 inch
CODE & STAN	DARD
Design Code:	API600
Face to Face Dimensional:	ASME B16.10
Fire Testing:	API 6FA
Pressure Testing:	As per API 598
DESIGN DA	TA
Pressure Rating:	300#
Design Pressure:	48
Design Temperature:	85
Body Construction:	Casting
End Connection:	FLGD (In acc. with ASME B16.5)
Finishing:	RF
MATERIA	ıL
Body/Bonnet	ASTM A216 WCB
Ball/Disc/Plug:	13Cr/STL (Trim No. 8)
Cover/Bonnet:	ВВ
Stem:	13Cr
Disc Seat:	13Cr
Body Seat:	STL
Packing:	STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

VTA

VTA

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

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.

- 4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
- 5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
- 6. All valve data sheets shall be confirmed by vendor.
- 7.All valve shall have a fire-safe design.
- 8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
- 9. Valves shall meet requirements of NACE MR0175/ISO 15156.
- 10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.











شماره صفحه :۲۵ از ۲۲

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: · ۵۳ - · ۷۳ - 9118 سته کاري صادر كننده پروژه تسهيلات نوع مدرک سريال نسخه ы 0002 BK GCS **PEDCO** 120 DT D00

TAG NO: MV-GAT-C03S-HO

GENERAL DATA

Type of Valve: Gate

Pattern: Flexible Wedge, H.W.OP

Valve Size Renge: 2~10 inch

CODE & STANDARD

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

DESIGN DATA

300# Pressure Rating: Design Pressure: 48 Design Temperature: 85 **Body Construction:** Casting

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

Finishing: RF

MATERIAL

ASTM A351 CF3M

18-8 Cr-Ni (Trim No. 10) Ball/Disc/Plug: Cover/Bonnet: BB Stem: 18-8 Cr-Ni 18-8 Cr-Ni Disc Seat: **Body Seat:** VTA

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

Gland:

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

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. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
- 9. Valves shall meet requirements of NACE MR0175/ISO 15156.
- 10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: .04 - . 74 - 9114 پروژه بسته کاري صادر كننده تسهيلات نوع مدرک سريال نسخه BK **GCS PEDCO** 120 Ы DT 0002 D00

شماره صفحه : ۲٦ از ٦٢

TAG NO: MV-GAT-C03-GO

GF			

Type of Valve: Gate

Pattern: Flexible Wedge, Gear .OP

12~24 inch Valve Size Renge:

CODE & STANDARD

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

DESIGN DATA

Pressure Rating: 300# 48 Design Pressure: Design Temperature: 85 **Body Construction:** Casting

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

RF Finishing:

MATERIAL

ASTM A216 WCB Body/Bonnet Ball/Disc/Plug: 13Cr/STL (Trim No. 8) Cover/Bonnet: ВВ Stem: 13Cr Disc Seat: 13Cr **Body Seat:** STL

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. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
- 9. Valves shall meet requirements of NACE MR0175/ISO 15156.
- 10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.





شماره صفحه :۲۷ از ۲۲







احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان: DATA SHEETS FOR MANUAL VALVES نوع مدرک .04 - . 14 - 9114 صادر کننده بسته کاري تسهيلات سريال نسخه پروژه Ы 0002 BK **GCS PEDCO** 120 DT D00

	TAG NO: MV-GAT-C06-HO						
GENERAL DATA							
Type of Valve:	Gate						
Pattern:	Flexible Wedge, H.W .OP						
Valve Size Renge:	2~10 inch						
	CODE & STANDARD						
Design Code:	API600						
Face to Face Dimensional:	ASME B16.10						
Fire Testing:	API 6FA						
Pressure Testing:	As per API 598						
	DESIGN DATA						
Pressure Rating:	600#						
Design Pressure:	90						
Design Temperature:	85						
Body Construction:	Casting						
End Connection:	FLGD (In acc. with ASME B16.5)						
Finishing:	RF						
	MATERIAL						
Body/Bonnet	ASTM A216 WCB						
Ball/Disc/Plug:	13Cr/STL (Trim No. 8)						
Cover/Bonnet:	ВВ						
Stem:	13Cr						
Disc Seat:	13Cr						
Body Seat:	STL						
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.

- 4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
- 5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
- 6. All valve data sheets shall be confirmed by vendor.
- 7.All valve shall have a fire-safe design.
- 8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve" 9. Valves shall meet requirements of NACE MR0175/ISO 15156.
- 10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.





شماره صفحه :۲۸ از ۲۲





احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان: DATA SHEETS FOR MANUAL VALVES نوع مدرک .04 - . 14 - 9114 صادر کننده پروژه بسته کاري تسهيلات سريال نسخه Ы 0002 BK **GCS PEDCO** 120 DT D00

	TAG NO: MV-GAT-C06S-HO						
GENERAL DATA							
Type of Valve:	Gate						
Pattern:	Flexible Wedge, H.W .OP						
Valve Size Renge:	2~10 inch						
	CODE & STANDARD						
Design Code:	API600						
Face to Face Dimensional:	ASME B16.10						
Fire Testing:	API 6FA						
Pressure Testing:	As per API 598						
	DESIGN DATA						
Pressure Rating:	600#						
Design Pressure:	90						
Design Temperature:	85						
Body Construction:	Casting						
End Connection:	FLGD (In acc. with ASME B16.5)						
Finishing:	RF						
	MATERIAL						
Body/Bonnet	ASTM A351 CF3M						
Ball/Disc/Plug:	18-8 Cr-Ni (Trim No. 10)						
Cover/Bonnet:	ВВ						
Stem:	18-8 Cr-Ni						
Disc Seat:	18-8 Cr-Ni						
Body Seat:	VTA						
Packing:	STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING						
Gland:	VTA						
Bolt & Nut:	ASTM A193 Gr.B8M/ASTM A194 Gr.8M						

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. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve" 9. Valves shall meet requirements of NACE MR0175/ISO 15156.
- 10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:	DATA SHEETS FOR MANUAL VALVES							
.04 14 - 114	پروژه	بسته کاری	صادر کننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه
	BK	GCS	PEDCO	120	PI	DT	0002	D00

شماره صفحه :۲۹ از ۲۲

TAG NO: MV-GAT-C06-GO **GENERAL DATA** Type of Valve: Gate Pattern: Flexible Wedge, Gear .OP Valve Size Renge: 12~24 inch **CODE & STANDARD** API600 Design Code: **ASME B16.10** Face to Face Dimensional: API 6FA Fire Testing: Pressure Testing: As per API 598 **DESIGN DATA** 600# Pressure Rating: 90 Design Pressure: Design Temperature: 85 **Body Construction:** Casting End Connection: FLGD (In acc. with ASME B16.5) Finishing: **MATERIAL** Body/Bonnet ASTM A216 WCB Ball/Disc/Plug: 13Cr/STL (Trim No. 8) ВВ Cover/Bonnet: Stem: 13Cr 13Cr Disc Seat: STL **Body Seat:** Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING 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. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve" 9. Valves shall meet requirements of NACE MR0175/ISO 15156.
- 10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.





شماره صفحه :۳۰ از ۲۲





احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان: DATA SHEETS FOR MANUAL VALVES .04 - .74 - 4114 صادر كننده تسهيلات نوع مدرک بسته کاری پروژه ر شته سريال نسخه BK GCS ы 0002 **PEDCO** 120 DT D00

TAG NO: MV-GLB-F08A

GENERAL DATA

Type of Valve:

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

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

CODE & STANDARD

Design Code: BS EN ISO 15761 **ASME B16.10** Face to Face Dimensional: API 6FA Fire Testing: As per API 598 Pressure Testing:

DESIGN DATA

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

MATERIAL

Body/Bonnet ASTM A105

Ball/Disc/Plug: ASTM A 182 F6A/STL (Trim No. 8)

Cover/Bonnet:

Stem: ASTM A 182 F6A Disc Seat: **ASTM A 182 F6A ASTM A 182 F6A Body Seat:**

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

Gland:

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

Bonnet Gasket: VTA

General Note:

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

- 4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
- 5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
- 6. All valve data sheets shall be confirmed by vendor.
- 7.All valve shall have a fire-safe design.
- 8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
- 9. Valves shall meet requirements of NACE MR0175/ISO 15156.
- 10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.



شماره صفحه: ۳۱ از ۲۲





احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان: DATA SHEETS FOR MANUAL VALVES .04 - .74 - 4114 صادر كننده نوع مدرک بسته کاری تسهيلات پروژه ر شته سريال نسخه BK GCS ы 0002 **PEDCO** 120 DT D00

TAG NO: MV-GLB-F08B

GENERAL DATA

Type of Valve:

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

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

CODE & STANDARD

Design Code: BS EN ISO 15761 **ASME B16.10** Face to Face Dimensional: API 6FA Fire Testing: As per API 598 Pressure Testing:

DESIGN DATA

800# Pressure Rating: 90 Design Pressure: 85 Design Temperature: **Body Construction:** Forged Trim Construction: Forged (VTC) SW End Connection:

Finishing: NA

MATERIAL

Body/Bonnet ASTM A105

Ball/Disc/Plug: ASTM A 182 F316/STL (Trim No. 12)

Cover/Bonnet:

Stem: ASTM A 182 F316 Disc Seat: ASTM A 182 F316 ASTM A 182 F316 **Body Seat:**

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

Gland:

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

Bonnet Gasket: VTA

General Note:

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

- 4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
- 5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
- 6. All valve data sheets shall be confirmed by vendor.
- 7.All valve shall have a fire-safe design.
- 8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
- 9. Valves shall meet requirements of NACE MR0175/ISO 15156.
- 10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان: DATA SHEETS FOR MANUAL VALVES .04 - .74 - 4114 صادر كننده نوع مدرک بسته کاری تسهيلات پروژه ر شته سريال نسخه BK GCS ы 0002 **PEDCO** 120 DT D00

شماره صفحه :۳۲ از ۲۲

TAG NO: MV-GLB-F08S

	JFR		

Type of Valve: Globe

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

Valve Size Renge: $1/2 \sim 1 \ 1/2 \text{ inch}$

CODE & STANDARD

Design Code:

BS EN ISO 15761

Face to Face Dimensional:

ASME B16.10

API 6FA

Pressure Testing:

As per API 598

DESIGN DATA

Pressure Rating: 800#

Design Pressure: 90

Design Temperature: 85

Body Construction: Forged

Trim Construction: Forged (VTC)

End Connection: SW

Finishing: NA

MATERIAL

Body/Bonnet ASTM A182 F316L

Ball/Disc/Plug: ASTM A 182 F316 (Trim No. 10)

Cover/Bonnet:

 Stem:
 ASTM A 182 F316

 Disc Seat:
 ASTM A 182 F316

 Body Seat:
 ASTM A 182 F316

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

Gland:

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. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
- 9. Valves shall meet requirements of NACE MR0175/ISO 15156.
- 10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان: DATA SHEETS FOR MANUAL VALVES · ۵۳ - · ۷۳ - 9 1 A F بسته کاري صادر كننده تسهيلات رشته نوع مدرک سريال پروژه BK **GCS PEDCO** Ы DT 0002 120 D00

شماره صفحه :33 از 32

TAG NO: MV-GLB-F08AZ

GENERAL DATA	
Type of Valve:	Globe
Pattern:	OS&Y, SWIVEL PLUG DISC, H.W.OP
Valve Size Renge:	1/2 ~ 1 1/2 inch
CODE & STANDARD	
Design Code:	BS 5154
Face to Face Dimensional:	ASME B16.10
Fire Testing:	API 6FA
Pressure Testing:	As per API 598
DESIGN DATA	
Pressure Rating:	800#
Design Pressure:	18
Design Temperature:	85
Body Construction:	Forged
End Connection:	NPT
Finishing:	NA
MATERIAL MATERIAL	
Body/Bonnet	ASTM B148 UNS C95800
Ball/Disc/Plug:	Aluminium Bronze
Cover/Bonnet:	Screwed Bonnet
Stem:	Aluminium Bronze
Disc Seat:	Aluminium Bronze
Body Seat:	VTA
Packing:	STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

VTA VTA

VTA

Bonnet Gasket: General Note:

Gland:

Bolt & Nut:

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









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: .04 - . 14 - 9114 بسته کاري صادر كننده تسهيلات نوع مدرک سريال نسخه پروژه ر شته BK Ы **GCS PEDCO** 120 DT 0002 D00

شماره صفحه : ۳۶ از ۲۲

TAG NO: MV-GLB-C01A-HO

GENERAL DATA

Type of Valve: Globe

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

Valve Size Renge: 2 ~ 6 inch

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:150#Design Pressure:18Design Temperature:85Body Construction:CastingTrim Construction:Casting

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

Finishing:

MATERIAL

ASTM A216 WCB

13 Cr/STL (Trim No. 8) Ball/Disc/Plug: ВВ Cover/Bonnet: Stem: 13Cr Disc Seat: 13Cr Body Seat: STL 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:

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. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
- 9. Valves shall meet requirements of NACE MR0175/ISO 15156.
- 10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: .04 - . 14 - 9114 بسته کاري صادر كننده تسهيلات نوع مدرک سريال نسخه پروژه ر شته BK Ы **GCS PEDCO** 120 DT 0002 D00

شماره صفحه: ۳۵ از ۲۲

TAG NO: MV-GLB-C01B-HO

GENERAL DATA

Type of Valve: Globe

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

Valve Size Renge: 2 ~ 6 inch

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

150# Pressure Rating: Design Pressure: 18 85 Design Temperature: Casting **Body Construction:** Trim Construction: Casting

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

Finishing:

MATERIAL

Body/Bonnet ASTM A216 WCB Ball/Disc/Plug: 18-8 Cr-Ni/STL (Trim No. 12) ВВ Cover/Bonnet: Stem: 18-8 Cr-Ni Disc Seat: 18-8 Cr-Ni STL **Body Seat:** Packing:

STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

Gland: VTA

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

Bonnet Gasket: VTA

General Note:

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









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: .04 - . 14 - 9114 بسته کاري صادر كننده تسهيلات نوع مدرک سريال نسخه پروژه ر شته BK Ы **GCS PEDCO** 120 DT 0002 D00

شماره صفحه : ۳٦ از ٦٢

TAG NO: MV-GLB-C01S-HO

GENERAL DATA

Type of Valve: Globe

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

Valve Size Renge: 2 ~ 6 inch

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: 150#

Design Pressure: 18

Design Temperature: 85

Body Construction: Casting

Trim Construction: Casting

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

Finishing:

MATERIAL

ASTM A351 CF3M

Ball/Disc/Plug:18-8 Cr-Ni (Trim No. 10)Cover/Bonnet:BBStem:18-8 Cr-NiDisc Seat:18-8 Cr-NiBody Seat:VTAPacking:STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING
VTA

Bolt & Nut:

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

Bonnet Gasket: VTA

General Note:

Body/Bonnet

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









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:			DATA						
·54 - ·74 - 41x4	پروژه	بسته کاری	صادر کننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه	شماره صفحه :۳۷ از ۲۲
	BK	GCS	PEDCO	120	PI	DT	0002	D00	

TAG NO: MV-GLB-C01-GO

GENERAL DATA

Type of Valve:

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

Valve Size Renge: 8 ~ 24 inch

CODE & STANDARD

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

DESIGN DATA

150# Pressure Rating: Design Pressure: 18 85 Design Temperature: **Body Construction:** Casting Trim Construction: Casting

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

Finishing: RF

MATERIAL

Body/Bonnet ASTM A216 WCB Ball/Disc/Plug: 13 Cr/STL (Trim No. 8) Cover/Bonnet: ВВ 13Cr Stem: Disc Seat: 13Cr STL **Body Seat:**

STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE Packing:

+ 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. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve" 9. Valves shall meet requirements of NACE MR0175/ISO 15156.
- 10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:			DATA						
·54 - ·74 - 41x4	پروژه	بسته کاری	صادر کننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه	شماره صفحه :۳۸ از ۲۲
	BK	GCS	PEDCO	120	PI	DT	0002	D00	

TAG NO: MV-GLB-C01S-GO

GENERAL DATA

Type of Valve: Globe

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

Valve Size Renge: 8 ~ 24 inch

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

Design Temperature: 85

Body Construction: Casting

Trim Construction: Casting

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

Finishing: RF

MATERIAL

Body/Bonnet ASTM A351 CF3M
Ball/Disc/Plug: 18-8 Cr-Ni (Trim No. 10)
Cover/Bonnet: BB
Stem: 18-8 Cr-Ni

Disc Seat: 18-8 Cr-Ni
Body Seat: VTA

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

Gland: VTA

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

Bonnet Gasket: VTA

- 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.
- There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"Valves shall meet requirements of NACE MR0175/ISO 15156.
- 10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.







120

HIRGAN

نسخه

D00



 DATA SHEETS FOR MANUAL VALVES

 سمارہ پیمان:
 سمارہ پیمان:

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

شماره صفحه :۳۹ از ۲۲

TAG NO: MV-GLB-C03-HO

Ы

DT

0002

GENERAL DATA

Type of Valve: Globe

GCS

BK

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

PEDCO

Valve Size Renge: 2 ~ 6 inch

CODE & STANDARD

Design Code:

BS 1873

Face to Face Dimensional:

ASME B16.10

API 6FA

DESIGN DATA

As per API 598

Pressure Rating: 300#
Design Pressure: 48
Design Temperature: 85
Body Construction: Casting
Trim Construction: Casting

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

Finishing: RF

MATERIAL

Body/Bonnet ASTM A216 WCB
Ball/Disc/Plug: 13 Cr/STL (Trim No. 8)

Cover/Bonnet: BB
Stem: 13Cr
Disc Seat: 13Cr
Body Seat: STL

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:

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. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve" 9.Valves shall meet requirements of NACE MR0175/ISO 15156.
- 10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.





شماره صفحه : ٤٠ از ٦٢





احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان: ۹۱۸۴ – ۷۷۳ – ۰۵۳

DATA SHEETS FOR MANUAL VALVES صادر كننده نوع مدرک سر يال پروژه بسته کاري تسهيلات نسخه BK GCS **PEDCO** 120 Ы DT 0002 D00

TAG NO: MV-GLB-C03S-HO

GENERAL DATA

Type of Valve: Globe

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

Valve Size Renge: 2 ~ 6 inch

CODE & STANDARD

Design Code:

BS 1873

Face to Face Dimensional:

Fire Testing:

API 6FA

Pressure Testing:

As per API 598

DESIGN DATA

Pressure Rating: 300#
Design Pressure: 48
Design Temperature: 85
Body Construction: Casting
Trim Construction: Casting

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

Finishing:

MATERIAL

Body/Bonnet ASTM A351 CF3M
Ball/Disc/Plug: 18-8 Cr-Ni (Trim No. 10)

Cover/Bonnet: BB

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

Body Seat: VTA

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

Gland: VTA

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

Bonnet Gasket: VTA

General Note:

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

- 4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
- 5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
- 6. All valve data sheets shall be confirmed by vendor.
- 7.All valve shall have a fire-safe design.
- 8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve" 9.Valves shall meet requirements of NACE MR0175/ISO 15156.
- 10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.





احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:	DATA SHEETS FOR MANUAL VALVES							
• ۵4 - • 14 - 4 14 +	پروژه	بسته کاری	صادر کننده	تسهيلات	رشته	نوع مدر ک	سريال	نسخه
	BK	GCS	PEDCO	120	PI	DT	0002	D00

شماره صفحه: 21 از 37

	TAG NO: MV-GLB-C03-GO							
GENERAL DATA								
Type of Valve:	Globe							
Pattern:	OS&Y, SWIVEL PLUG DISC, Gear.OP							
Valve Size Renge:	8 ~ 12 inch							
	CODE & STANDARD							
Design Code:	BS 1873							
Face to Face Dimensional:	ASME B16.10							
Fire Testing:	API 6FA							
Pressure Testing:	As per API 598							
	DESIGN DATA							
Pressure Rating:	300#							
Design Pressure:	48							
Design Temperature:	85							
Body Construction:	Casting							
Trim Construction:	Casting							
End Connection:	FLGD							
Finishing:	RF							
	MATERIAL							
Body/Bonnet	ASTM A216 WCB							
Ball/Disc/Plug:	13 Cr/STL (Trim No. 8)							
Cover/Bonnet:	VTA							
Stem:	ВВ							
Disc Seat:	13Cr							
Body Seat:	STL							
Packing:	STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING							

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.

VTA

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

- 5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
- 6. All valve data sheets shall be confirmed by vendor.
- 7.All valve shall have a fire-safe design.
- 8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
- 9. Valves shall meet requirements of NACE MR0175/ISO 15156.
- 10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: .04 - . 14 - 9114 نوع مدرک بسته کاری صادر كننده تسهيلات رشته سر يال نسخه پروژه BK Ы 0002 **GCS PEDCO** 120 DT D00

شماره صفحه :22 از 22

TAG NO: MV-GLB-C06-HO

GENERAL DATA

Type of Valve: Globe

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

Valve Size Renge: 2 ~ 4 inch

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:

Design Pressure:

Design Temperature:

Body Construction:

Trim Construction:

Casting

Find Connection:

Find Connectio

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

Finishing:

MATERIAL

ASTM A216 WCB

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

- 4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
- 5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
- 6. All valve data sheets shall be confirmed by vendor.
- 7.All valve shall have a fire-safe design.
- 8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
- 9. Valves shall meet requirements of NACE MR0175/ISO 15156.
- 10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.





شماره صفحه: 27 از ٦٢





احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: .04 - . 14 - 9114 نوع مدرک بسته کاری صادر كننده تسهيلات رشته سر يال نسخه پروژه BK Ы 0002 **GCS PEDCO** 120 DT D00

TAG NO: MV-GLB-C06S-HO

GENERAL DATA

Type of Valve: Globe

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

Valve Size Renge: 2 ~ 4 inch

CODE & STANDARD

Design Code:

BS 1873

Face to Face Dimensional:

ASME B16.10

Fire Testing:

API 6FA

Pressure Testing:

As per API 598

DESIGN DATA

Pressure Rating: 600#
Design Pressure: 90
Design Temperature: 85
Body Construction: Casting
Trim Construction: Casting

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

Finishing:

MATERIAL

ASTM A351 CF3M

Ball/Disc/Plug: 18-8 Cr-Ni (Trim No. 10)
Cover/Bonnet: BB
Stem: 18-8 Cr-Ni
Disc Seat: 18-8 Cr-Ni
Body Seat: VTA

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

Gland: VTA

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

Bonnet Gasket: VTA

General Note:

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. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
- 9. Valves shall meet requirements of NACE MR0175/ISO 15156.
- 10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: تسهيلات نوع مدرک · 24 - · 74 - 9114 بسته کاري صادر كننده سر يال پروژه ر شته BK GCS **PEDCO** ы 0002 120 DT D00

شماره صفحه :22 از 22

TAG NO: MV-GLB-C06-GO

GENERAL DATA

Type of Valve: Globe

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

Valve Size Renge: 6 ~ 12 inch

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: 600#
Design Pressure: 90
Design Temperature: 85
Body Construction: Casting
Trim Construction: Casting

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

Finishing:

MATERIAL

Body/Bonnet ASTM A216 WCB Ball/Disc/Plug: 13 Cr/STL (Trim No. 8) Cover/Bonnet: ВВ Stem: 13Cr Disc Seat: 13Cr **Body Seat:** STL Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING VTA Gland: 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. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve" 9. Valves shall meet requirements of NACE MR0175/ISO 15156.
- 10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: نوع مدرک · 24 - · 74 - 9114 بسته کاري صادر كننده سريال پروژه تسهيلات ر شته BK GCS **PEDCO** ы 0002 120 DT D00

شماره صفحه :20 از 22

TAG NO: MV-GLB-C06S-GO

GENERAL DATA

Type of Valve: Globe

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

Valve Size Renge: 6 inch

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: 600#
Design Pressure: 90
Design Temperature: 85
Body Construction: Casting
Trim Construction: Casting

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

Finishing:

MATERIAL

Body/Bonnet ASTM A351 CF3M Ball/Disc/Plug: 18-8 Cr-Ni (Trim No. 10) Cover/Bonnet: ВВ Stem: 18-8 Cr-Ni Disc Seat: 18-8 Cr-Ni **Body Seat:** VTA Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING Gland: 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.
 However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.
- 4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
- 5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
- 6. All valve data sheets shall be confirmed by vendor.
- 7.All valve shall have a fire-safe design.
- 8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve" 9. Valves shall meet requirements of NACE MR0175/ISO 15156.
- 10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان: DATA SHEETS FOR MANUAL VALVES .04 - . 74 - 9114 صادر كننده نوع مدرک بسته کاری تسهيلات پروژه ر شته سريال نسخه BK GCS ы 0002 **PEDCO** 120 DT D00

شماره صفحه :23 از 22

TAG NO: MV-BAL-F08A

GF			

Type of Valve: Ball

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

Valve Size Renge: $1/2 \sim 1 \ 1/2 \text{ inch}$

CODE & STANDARD

Design Code: BS EN ISO 17292

Face to Face Dimensional:

API 6D

Fire Testing:

API 6FA

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

DESIGN DATA

Pressure Rating:800#Design Pressure:90Design Temperature:85Body Construction:ForgedTrim Construction:Forged (VTC)End Connection:SW & SW/FNPT

Finishing: NA

MATERIAL

Body/Bonnet ASTM A105
Ball/Disc/Plug: 13 % CR
Cover/Bonnet: BB
Stem: NA
Disc Seat: F6/PTFE
Body Seat: PTFE

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

Gland:

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

Bonnet Gasket: VTA

General Note:

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

- 4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
- 5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
- 6. All valve data sheets shall be confirmed by vendor.
- 7.All valve shall have a fire-safe design.
- 8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
- 9. Valves shall meet requirements of NACE MR0175/ISO 15156.
- 10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان: DATA SHEETS FOR MANUAL VALVES .04 - . 74 - 9114 صادر كننده نوع مدرک بسته کاری تسهيلات پروژه ر شته سريال نسخه BK GCS 120 ы 0002 **PEDCO** DT D00

شماره صفحه : ٤٧ از ٦٢

TAG NO: MV-BAL-F08B

GENERAL DATA

Type of Valve:

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

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

CODE & STANDARD

BS EN ISO 17292 Design Code:

Face to Face Dimensional: API 6D API 6FA Fire Testing:

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

DESIGN DATA

800# Pressure Rating: 90 Design Pressure: 85 Design Temperature: **Body Construction:** Forged Trim Construction: Forged (VTC) SW & SW/FNPT End Connection:

Finishing: NA

MATERIAL

Body/Bonnet ASTM A105 Ball/Disc/Plug: SS316 Cover/Bonnet: ВВ Stem: NA Disc Seat: 316/PTFE PTFE **Body Seat:**

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

Gland:

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

Bonnet Gasket: VTA

General Note:

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

- 4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
- 5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
- 6. All valve data sheets shall be confirmed by vendor.
- 7.All valve shall have a fire-safe design.
- 8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
- 9. Valves shall meet requirements of NACE MR0175/ISO 15156.
- 10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.





شماره صفحه : 28 از ۲۲





احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان: DATA SHEETS FOR MANUAL VALVES .04 - . 74 - 9114 صادر كننده نوع مدرک بسته کاری تسهيلات پروژه ر شته سريال نسخه BK GCS 120 ы 0002 **PEDCO** DT D00

TAG NO: MV-BAL-F08S

GENERAL DATA

Type of Valve:

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

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

CODE & STANDARD

BS EN ISO 17292 Design Code:

Face to Face Dimensional: API 6D API 6FA Fire Testing:

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

DESIGN DATA

800# Pressure Rating: 90 Design Pressure: 85 Design Temperature: **Body Construction:** Forged Trim Construction: Forged (VTC) SW End Connection:

Finishing: NA

MATERIAL

Body/Bonnet ASTM A182 F316L

Ball/Disc/Plug: SS316 Cover/Bonnet: ВВ Stem: NA Disc Seat: 316/PTFE PTFE **Body Seat:**

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

Gland:

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

Bonnet Gasket: VTA

General Note:

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

- 4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
- 5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
- 6. All valve data sheets shall be confirmed by vendor.
- 7.All valve shall have a fire-safe design.
- 8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
- 9. Valves shall meet requirements of NACE MR0175/ISO 15156.
- 10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان: DATA SHEETS FOR MANUAL VALVES · ۵۳ - · ۷۳ - 9 1 A F بسته کاري صادر كننده تسهيلات رشته نوع مدرک سريال پروژه BK GCS **PEDCO** 120 Ы DT 0002 D00

شماره صفحه : 29 از ٦٢

	TAG NO: MV-BAL-F08AZ						
GENERAL DATA							
Type of Valve:	Ball						
Pattern:	Reduced Bore, Floating Ball, Wrench .OP, 2 Pieces						
Valve Size Renge:	1/2 ~ 1 1/2 inch						
	CODE & STANDARD						
Design Code:	BS EN ISO 17292						
Face to Face Dimensional:	API 6D						
Fire Testing:	API 6FA						
Pressure Testing:	API 6D (Preferred)/API 598						
	DESIGN DATA						
Pressure Rating:	800#						
Design Pressure:	18						
Design Temperature:	85						
Body Construction:	Forged						
End Connection:	NPT						
Finishing:	NA						
	MATERIAL						
Body/Bonnet	ASTM B148 UNS C95800						
Ball/Disc/Plug:	ASTM B148 UNS C95800						
Cover/Bonnet:	ВВ						
Stem:	NA						
Disc Seat:	ASTM B148 UNS C95800						
Body Seat:	PTFE						
Packing:	STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING						
Gland:	VTA						

VTA

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

Bonnet Gasket: **General Note:**

Bolt & Nut:

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









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: .04 - . 14 - 9114 بسته کاري صادر كننده تسهيلات نوع مدرک سريال نسخه پروژه ر شته BK Ы **GCS PEDCO** 120 DT 0002 D00

شماره صفحه:٥٠ از ٦٢

TAG NO: MV-BAL-C01A-HO

GENERAL DA	IΑ	V

Type of Valve: Ball

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

Valve Size Renge: 2 ~ 6 inch

CODE & STANDARD

Design Code: API 6D/ASME B16.34

Face to Face Dimensional:

API 6D

Fire Testing:

API 6FA

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

DESIGN DATA

Pressure Rating: 150#
Design Pressure: 18
Design Temperature: 85
Body Construction: Casting
Trim Construction: Casting

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

Finishing:

MATERIAL

Body/BonnetASTM A216 WCBBall/Disc/Plug:13 % CRCover/Bonnet:BBStem:NADisc Seat:F6/PTFEBody Seat:PTFE

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

Gland: VTA

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

Bonnet Gasket: VTA

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









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: .04 - . 14 - 9114 بسته کاري صادر كننده تسهيلات نوع مدرک سريال نسخه پروژه ر شته BK Ы **GCS PEDCO** 120 DT 0002 D00

شماره صفحه: ٥١ از ٦٢

TAG NO: MV-BAL-C01B-HO

G	F٨	IFF	RΔ	П	'nΔ	TA
J			1/1		ᇧ	17

Type of Valve: Ball

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

Valve Size Renge: 2 ~ 6 inch

CODE & STANDARD

Design Code: API 6D/ASME B16.34

Face to Face Dimensional:

API 6D

Fire Testing:

API 6FA

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

DESIGN DATA

Pressure Rating: 150#
Design Pressure: 18
Design Temperature: 85
Body Construction: Casting
Trim Construction: Casting

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

Finishing:

MATERIAL

Body/Bonnet ASTM A216 WCB
Ball/Disc/Plug: SS316
Cover/Bonnet: BB
Stem: NA
Disc Seat: 316/PTFE
Body Seat: PTFE

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

Gland: VTA

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

Bonnet Gasket: VTA

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









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: .04 - . 14 - 9114 بسته کاري صادر كننده تسهيلات نوع مدرک سريال نسخه پروژه ر شته BK Ы **GCS PEDCO** 120 DT 0002 D00

شماره صفحه :۵۲ از ۲۲

TAG NO: MV-BAL-C01S-HO

GENERAL DATA

Type of Valve: Ball

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

Valve Size Renge: 2 ~ 6 inch

CODE & STANDARD

Design Code: API 6D/ASME B16.34

Face to Face Dimensional:

API 6D

Fire Testing:

API 6FA

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

DESIGN DATA

Pressure Rating: 150#
Design Pressure: 18
Design Temperature: 85
Body Construction: Casting
Trim Construction: Casting

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

Finishing:

MATERIAL

Body/BonnetASTM A351 CF3MBall/Disc/Plug:SS316Cover/Bonnet:BBStem:NADisc Seat:316/PTFEBody 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

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









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:			DATA						
•04 - •14 - 414	پروژه	بسته کاری	صادر کننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه	شماره صفحه :۵۳ از ۲۲
	BK	GCS	PEDCO	120	PI	DT	0002	D00	

TAG NO: MV-BAL-C01-GO

GENERAL DATA

Type of Valve:

Pattern: Full Bore, Split Body, Trunnion Mounted, Gear .OP

Valve Size Renge: $8 \sim 10$ inch $\rightarrow 2$ Piecess 12 \sim 16 inch \rightarrow 3 Piecess

CODE & STANDARD

API 6D/ASME B16.34 Design Code:

API 6D Face to Face Dimensional: Fire Testing: API 6FA

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

DESIGN DATA

150# Pressure Rating: Design Pressure: 18 85 Design Temperature: **Body Construction:** Casting Trim Construction: Casting

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

Finishing: RF

MATERIAL

Body/Bonnet ASTM A216 WCB

Ball/Disc/Plug: 13 % CR Cover/Bonnet: ВВ Stem: NA Disc Seat: F6/PTFE PTFE **Body Seat:**

STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE Packing:

+ 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. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve" 9. Valves shall meet requirements of NACE MR0175/ISO 15156.
- 10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:			DATA	SHEETS FO	R MANUAL	VALVES			
•۵۳ - •۷۳ - 9114	پروژه	بسته کاری	صادر کننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه	حه :۵۶ از ۱۲
	BK	GCS	PEDCO	120	PI	DT	0002	D00	

TAG NO: MV-BAL-C01S-GO

GENERAL DATA

Type of Valve: Ball

Pattern: Full Bore, Split Body, Trunnion Mounted, Gear .OP

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

CODE & STANDARD

Design Code: API 6D/ASME B16.34

Face to Face Dimensional:

API 6D

Fire Testing:

API 6FA

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

DESIGN DATA

Pressure Rating: 150#

Design Pressure: 18

Design Temperature: 85

Body Construction: Casting

Trim Construction: Casting

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

Finishing: RF

MATERIAL

Body/Bonnet ASTM A351 CF3M

Ball/Disc/Plug: SS316
Cover/Bonnet: BB
Stem: NA
Disc Seat: 316/PTFE
Body Seat: PTFE

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

Gland: VTA

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

Bonnet Gasket: VTA

- 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.
- There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"Valves shall meet requirements of NACE MR0175/ISO 15156.
- 10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.



.04 - . 14 - 9114

نگهداشت و افزایش تولید میدان نفتی بینک سطحالارض



احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان	DATA SHEETS FOR MANUAL VALVES

نسخه سریال نوع مدرک رشته تسهیلات صادرکتنده بسته کاری پروژه BK GCS PEDCO 120 PI DT 0002 D00

شماره صفحه :٥٥ از ٦٢

TAG NO: MV-BAL-C03-HO

GENERAL DATA

Type of Valve: Ball

Pattern: Full Bore, Split Body, Floating Ball, Wrench .OP, 2 Piecess

Valve Size Renge: 2 ~ 4 inch

CODE & STANDARD

Design Code: API 6D/ASME B16.34

Face to Face Dimensional:

API 6D

Fire Testing:

API 6FA

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

DESIGN DATA

Pressure Rating: 300#
Design Pressure: 48
Design Temperature: 85
Body Construction: Casting
Trim Construction: Casting

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

Finishing: RF

MATERIAL

Body/Bonnet ASTM A216 WCB

Ball/Disc/Plug:SS316Cover/Bonnet:BBStem:NADisc Seat:316/PTFEBody Seat:PTFE

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. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve" 9.Valves shall meet requirements of NACE MR0175/ISO 15156.
- 10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.





احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

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

شماره صفحه :٥٦ از ٦٢

نسخه

D00

STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE

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

+ PACKING RING

VTA

	TAG NO: MV-BAL-C03W-HO						
	TAG NO. INV-DAL-COSW-110						
GENERAL DATA							
Type of Valve:	Ball						
Pattern:	Full Bore, Split Body, Trunnion Mounted, Wrench .OP, 2 Pieces						
Valve Size Renge:	6 inch						
	CODE & STANDARD						
Design Code:	API 6D/ASME B16.34						
Face to Face Dimensional:	API 6D						
Fire Testing:	API 6FA						
Pressure Testing:	API 6D (Preferred)/API 598						
	DESIGN DATA						
Pressure Rating:	300#						
Design Pressure:	48						
Design Temperature:	85						
Body Construction:	Casting						
Trim Construction:	Casting						
End Connection:	FLGD (In acc. with ASME B16.5)						
Finishing:	RF						
	MATERIAL						
Body/Bonnet	ASTM A216 WCB						
Ball/Disc/Plug:	SS316						
Cover/Bonnet:	ВВ						
Stem:	NA						
Disc Seat:	316/PTFE						
Body Seat:	PTFE						

Bonnet Gasket: General Note:

Packing:

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. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve" 9.Valves shall meet requirements of NACE MR0175/ISO 15156.
- 10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.





احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

ENERG



شماره پیمان: DATA SHEETS FOR MANUAL VALVES .04 - . 14 - 9114 صادر كننده نوع مدرک سر يال سته کاری تسهيلات نسخه پروژه BK GCS **PEDCO** 120 Ы DT 0002 D00

شماره صفحه :۵۷ از ۲۲

TAG NO: MV-BAL-C03S-HO

GENERAL DATA

Type of Valve: Ball

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

Valve Size Renge: 2 ~ 4 inch

CODE & STANDARD

Design Code: API 6D/ASME B16.34

Face to Face Dimensional:

API 6D

Fire Testing:

API 6FA

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

DESIGN DATA

Pressure Rating: 300#
Design Pressure: 48
Design Temperature: 85
Body Construction: Casting
Trim Construction: Casting

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

Finishing: RF

MATERIAL

Body/Bonnet ASTM A351 CF3M

Ball/Disc/Plug:SS316Cover/Bonnet:BBStem:NADisc Seat:316/PTFEBody Seat:PTFE

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. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve" 9.Valves shall meet requirements of NACE MR0175/ISO 15156.
- 10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.





احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

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 DATA SHEETS FOR MANUAL VALVES

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 رشته
 تسهیلات
 صادر کننده
 بسته کاری
 پروژه

PEDCO

GCS

شماره صفحه :۵۸ از ۲۲

TAG NO: MV-BAL-C03SW-HO

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نسخه

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GENERAL DATA

Type of Valve: Ball

BK

Pattern: Full Bore, Split Body, Trunnion Mounted, Wrench .OP, 2 Pieces

Valve Size Renge: 6 inch

CODE & STANDARD

Design Code: API 6D/ASME B16.34

Face to Face Dimensional:

API 6D

Fire Testing:

API 6FA

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

DESIGN DATA

Pressure Rating: 300#
Design Pressure: 48
Design Temperature: 85
Body Construction: Casting
Trim Construction: Casting

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

Finishing: RF

MATERIAL

Body/Bonnet ASTM A351 CF3M

Ball/Disc/Plug:SS316Cover/Bonnet:BBStem:NADisc Seat:316/PTFEBody Seat:PTFE

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. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve" 9.Valves shall meet requirements of NACE MR0175/ISO 15156.
- 10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.







شماره صفحه: ٥٩ از ٦٢



احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: .04 - . 14 - 9114 نوع مدرک بسته کاری صادر كننده تسهيلات رشته سر يال نسخه پروژه BK Ы 0002 **GCS PEDCO** 120 DT D00

TAG NO: MV-BAL-C06-HO

GENERAL DATA

Ball Type of Valve:

Pattern: Full Bore, Split Body, Trunnion Mounted, Wrench .OP, 3 Pieces

Valve Size Renge: 2 ~ 4 inch

CODE & STANDARD

Design Code: API 6D/ASME B16.34

Face to Face Dimensional: API 6D Fire Testing: API 6FA

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

DESIGN DATA

600# Pressure Rating: Design Pressure: 90 85 Design Temperature: Casting **Body Construction:** Trim Construction: Casting

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

Finishing: RF

MATERIAL

ASTM A216 WCB Body/Bonnet

SS316 Ball/Disc/Plug: Cover/Bonnet: ВВ Stem: NA Disc Seat: 316/PTFE Body Seat: PTFE

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. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
- 9. Valves shall meet requirements of NACE MR0175/ISO 15156.
- 10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.





شماره صفحه: ٦٠ از ٦٢





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 سر يال نسخه پروژه BK Ы 0002 **GCS PEDCO** 120 DT D00

TAG NO: MV-BAL-C06-GO

GENERAL DATA

Type of Valve: Ball

Pattern: Full Bore, Split Body, Trunnion Mounted, Gear .OP, 3 Pieces

Valve Size Renge: 6 ~ 8 inch

CODE & STANDARD

Design Code: API 6D/ASME B16.34

Face to Face Dimensional:

API 6D

Fire Testing:

API 6FA

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

DESIGN DATA

Pressure Rating: 600#
Design Pressure: 90
Design Temperature: 85
Body Construction: Casting
Trim Construction: Casting

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

Finishing:

MATERIAL

Body/Bonnet ASTM A216 WCB

Ball/Disc/Plug: SS316
Cover/Bonnet: BB
Stem: NA
Disc Seat: 316/PTFE
Body Seat: PTFE

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. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
- 9. Valves shall meet requirements of NACE MR0175/ISO 15156.
- 10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.









شماره صفحه: ٦١ از ٦٢

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 سر يال نسخه پروژه BK Ы 0002 **GCS PEDCO** 120 DT D00

TAG NO: MV-BAL-C06S-HO

GENERAL DATA

Ball Type of Valve:

Pattern: Full Bore, Split Body, Trunnion Mounted, Wrench .OP, 3 Pieces

Valve Size Renge: 2 ~ 4 inch

CODE & STANDARD

Design Code: API 6D/ASME B16.34

Face to Face Dimensional: API 6D Fire Testing: API 6FA

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

DESIGN DATA

600# Pressure Rating: Design Pressure: 90 85 Design Temperature: Casting **Body Construction:** Trim Construction: Casting

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

Finishing: RF

MATERIAL

ASTM A351 CF3M Body/Bonnet

SS316 Ball/Disc/Plug: Cover/Bonnet: ВВ Stem: NA Disc Seat: 316/PTFE Body Seat: PTFE

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE

+ PACKING RING Gland:

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. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
- 9. Valves shall meet requirements of NACE MR0175/ISO 15156.
- 10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.









شماره صفحه: ٦٢ از ٦٢

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 سر يال نسخه پروژه BK Ы 0002 **GCS PEDCO** 120 DT D00

TAG NO: MV-BAL-C06S-GO

GENERAL DATA

Ball Type of Valve:

Pattern: Full Bore, Split Body, Trunnion Mounted, Gear .OP, 3 Pieces

Valve Size Renge: 6 ~ 8 inch

CODE & STANDARD

Design Code: API 6D/ASME B16.34

Face to Face Dimensional: API 6D Fire Testing: API 6FA

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

DESIGN DATA

600# Pressure Rating: Design Pressure: 90 85 Design Temperature: Casting **Body Construction:** Trim Construction: Casting

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

Finishing: RF

MATERIAL

ASTM A351 CF3M Body/Bonnet SS316 Ball/Disc/Plug:

Cover/Bonnet: ВВ Stem: NA Disc Seat: 316/PTFE Body Seat: PTFE

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE

+ PACKING RING Gland:

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.
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- 8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
- 9. Valves shall meet requirements of NACE MR0175/ISO 15156.
- 10. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.