

شرکت تومد شروایران





احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES

شماره پیمان:	پروژه	بسته کاری	صادر کننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه
• ۵۳ – • ۷۳ – ۹ ۱ ۸ ۴	BK	GCS	PEDCO	120	PI	DT	0002	D02

شماره صفحه: ۱ از ٦٦

نگهداشت و افزایش تولید میدان نفتی بینک

DATA SHEETS FOR MANUAL VALVES

نگهداشت و افزایش تولید میدان نفتی بینک

D00	JUL.2022 Date	IFC Purpose of Issue / Status	F.Mosayebnejad Prepared by:	M.Fakharian Checked by:	M.Mehrshad Approved by:	CLIENT Approval
D00	II II 0000	IFO		M Foldbarian	NA NASH walk and	
D01	FEB.2023	IFA	M.Noori	M.Fakharian	M.Mehrshad	
D02	AUG.2023	IFA	M.Noori	M.Fakharian	A.M.Mohseni	

Class: 1 CLIENT Doc. Number: F0Z-708885

status: IDC: Inter-Discipline Check

IFC: Issued For Comment
IFA: Issued For Approval
AFD: Approved For Design
AFC: Approved For Construction

AFP: Approved For Purchase

AFQ: Approved For Quotation

IFI: Issued For Information

AB-R: As-Built for CLIENT Review

AB-A: As-Built -Approved







احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES

شماره پیمان:	پروژه	بسته کاری	صادر کننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه
·04 - · VT - 9114	BK	GCS	PEDCO	120	PI	DT	0002	D02

شماره صفحه: ۲ از ۲٦

REVISION RECORD SHEET

			1			CO	RD SHEET					1
page	D00	D01	D02	D03	D04		page	D00	D01	D02	D03	D04
	X	x			+	1	65			X	+	
1	X	X			1		05			X	 	-
2							66			Α		
3	X	Х				4	67					
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5	X	Х					69					
6	X	Х					70					
7	X	X					71					
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10	X	Х					74					
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11							75					
12	X	Х				_	76					
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14	х	Х					78					
8	X	Х					79					
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17	х	х					81					
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27	х	х					91					
27	X	X				-	91					
28						-	92					
29	X	Х				4	93					
30	X	Х					94					
31	X	Х					95					
32	X	Х					96					
33	X	Х					97					
34	X	Х					98					
35	x	х				1	99					
33	X	Х					100					
36	X	X				-						-
37						4	101					
38	X	Х					102					
39	X	Х					103					
40	х	Х					104					
41	X	Х					105					
42	Х	х				1	106					
43	X	х	İ		İ	1	107			1	1	†
44	X	Х			1	1	108			†	†	†
45	X	Х			 	1	109			 	 	
45	X	X			1		110	-		 	 	
46		X			1	1	110			 	 	-
47	X				ļ		111					
48	X	Х					112			1	1	<u> </u>
49	X	Х					113					
50	х	Х					114					
51	X	х]	18					
52	X	х				1	116					
53	X	х			1	1	117			†	†	†
54	X	X			1	1	117	1		 	 	-
54	X	X			1	1	110			 	 	
55					ļ		119					<u> </u>
56	X	Х]]	120			ļ	ļ	<u> </u>
57	X	Х					121			<u> </u>	<u> </u>	
58	X	х					122					
59	Х	х				1	123					
60	X	х	İ		İ	1	124			1	1	†
61	X	Х				1	125			†	†	
	X	X			1	1	126			+	+	
62		X			1		126	ļ		 	 	
63							127					ļ
64		Х					128	<u> </u>		<u> </u>	<u> </u>	







احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

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

شماره صفحه :۱۳ ز ۲۹

TAG NO: MV-CHI	C-F08A
GENERAL DA	TA
Type of Valve:	Check
Pattern:	Piston Lift Type
Valve Size Range:	1/2 ~ 1 1/2 inch
Piping Class & C.A:	AN01 & C.A: 1
NACE MR0175/ISO15156 Compliance	No
CODE & STAND	ARD
Design Code:	API 602 / BS EN ISO 15761
Face to Face Dimensional:	ASME B16.10
Fire Testing:	API 6FA
Pressure Testing:	As per API 598
DESIGN DAT	A
Pressure Rating:	800#
Design Pressure:	18.2 BARG
Design Temperature:	85 °C
Body Construction:	Forged
End Connection:	SW
Finishing:	Note 10
MATERIAL	
Body/Cover	ASTM A105
Trim	13Cr + Stellite 6 (Trim No.8)
Cover	BC
Stem:	NA
Disc Seat:	13Cr
Body Seat:	Stellite 6
Packing:	NA
Gland:	NA
Bolt & Nut:	ASTM A193 Gr.B7/ASTM A194 Gr.2H

Gasket Bonnet: 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 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 سریال نوع مدر ک رشته تسهیلات صادر کننده بسته کاری پروژه BK GCS PEDCO 120 PI DT 0002						
· ۵۳ - · ۷۳ - 9 1	پروژه	بسته کاری	صادر کننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه
	BK	GCS	PEDCO	120	PI	DT	0002	

شماره صفحه : ٤ از ٦٦

	TAG NO: MV-CHK-F08B					
	GENERAL DATA					
Type of Valve:	Check					
Pattern:	Piston Lift Type					
Valve Size Range:	1/2 ~ 1 1/2 inch					
Piping Class & C.A: AN04, AN05, AN07, CN05, CN07, FN05 & FN07 & G						
NACE MR0175/ISO15156 Compliance	Yes (Excpet for AN04)					
	CODE & STANDARD					
Design Code:	API 602 / BS EN ISO 15761					
Face to Face Dimensional:	ASME B16.10					
Fire Testing:	API 6FA					
Pressure Testing:	As per API 598					
	DESIGN DATA					
Pressure Rating:	800#					
Design Pressure:	90 BARG					
Design Temperature:	175 °C					
Body Construction:	Forged					
End Connection:	sw					
Finishing:	Note 10					
	MATERIAL					
Body/Cover	ASTM A105					
Trim	18Cr-8Ni-Mo/Stellite 6 (Trim No. 12)					
Cover/Bonnet:	ВС					
Stem:	NA					
Disc Seat:	18Cr-8Ni-Mo					
Body Seat:	Stellite 6					
Packing:	NA					
Gland:	NA					
Bolt & Nut:	ASTM A193 Gr.B7M/ASTM A194 Gr.2HM					
Gasket Ronnet	VTΔ					

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 be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.







احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:			DATA SHE	ETS FOR	R MANUAL	VALVES		
· ۵۳ - · ۷۳ — ٩ ١٨۴	پروژه	بسته کاری	صادر کننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه
	BK	GCS	PEDCO	120	PI	DT	0002	D02

شماره صفحه :۵ از ۲۲

TAG NO: MV-CHK-F08S

GENERAL DAT	TA
Type of Valve:	Check
Pattern:	Piston Lift Type
Valve Size Range:	1/2 ~ 1 1/2 inch
Piping Class & C.A:	AS00, CS00 & FS00 & C.A: 0
NACE MR0175/ISO15156 Compliance	No
CODE & STAND	ARD
Design Code:	API 602 / BS EN ISO 15761
Face to Face Dimensional:	ASME B16.10
Fire Testing:	API 6FA
Pressure Testing:	As per API 598
DESIGN DATA	4
Pressure Rating:	800#
Design Pressure:	62.4 BARG
Design Temperature:	175 °C
Body Construction:	Forged
End Connection:	SW
Finishing:	NA
MATERIAL	
Body/Cover	ASTM A182 F316L
Trim	18Cr-8Ni-Mo (Trim No. 10)
Cover/Bonnet:	BC
Stem:	NA
Disc Seat:	18Cr-8Ni-Mo
Body Seat:	18Cr-8Ni-Mo
Packing:	NA
Gland:	NA
Bolt & Nut:	ASTM A193 Gr.B8M/ASTM A194 Gr.8M
Gasket Bonnet:	VTA

General Note:

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

- 4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
- 5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
- 6. All valve data sheets shall be confirmed by vendor.
- 7.All valve shall have a fire-safe design.
- 8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"











شماره صفحه : ۱ از ۲۱

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:		DATA SHEETS FOR MANUAL VALVES									
· ۵۳ - · ۷۳ — ۹ ۱۸۴	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه			
	BK	GCS	PEDCO	120	PI	DT	0002	D02			

TAG NO: MV-CHK-F08AZ

GENERAL	DATA
Type of Valve:	Check
Pattern:	Piston Lift Type
Valve Size Range:	1/2 ~ 1 1/2 inch
Piping Class & C.A:	AZ00 & C.A: 0
NACE MR0175/ISO15156 Compliance	No
CODE & STA	ANDARD
Design Code:	BS 5154
Face to Face Dimensional:	ASME B16.10
Fire Testing:	API 6FA
Pressure Testing:	As per API 598
DESIGN I	DATA
Pressure Rating:	800#
Design Pressure:	18.2 BARG
Design Temperature:	85 °C
Body Construction:	Forged
End Connection:	NPT
Finishing:	NA
MATER	IIAL
Body/Bonnet	ASTM B148 UNS C95800
Trim	ASTM B148 UNS C95800
Cover/Bonnet:	Screwed Bonnet
Stem:	NA
Disc Seat:	ASTM B148 UNS C95800
Body Seat:	VTA
Packing:	NA
Gland:	NA
Bolt & Nut:	ASTM A193 Gr.B7/ASTM A194 Gr.2H (Galvanized)
Bonnet Gasket:	VTA

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









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:			DATA SHEETS FOR MANUAL VALVES							
.04 14 - 114	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه		
	BK	GCS	PEDCO	120	PI	DT	0002	D02		

شماره صفحه :۷ از ۲٦

TAG NO: MV-CHK-C01A

	GENERAL DATA
Type of Valve:	Check
Pattern:	Swing Type
Valve Size Range:	2 ~ 24 inch
Piping Class & C.A:	AN01 & C.A: 1
NACE MR0175/ISO15156 Compliance	No
	CODE & STANDARD
Design Code:	BS 1868/API 6D
Face to Face Dimensional:	ASME B16.10
Fire Testing:	API 6FA
Pressure Testing:	As per API 598
	DESIGN DATA
Pressure Rating:	150#
Design Pressure:	18.2 BARG
Design Temperature:	85 °C
Body Construction:	Casting
End Connection:	FLGD (In acc. with ASME B16.5)
Finishing:	Note 10
	MATERIAL
Body/Cover	ASTM A216 WCB
Trim	13Cr + Stellite 6 (Trim No.8)
Cover/Bonnet:	ВС
Stem:	NA
Disc Seat:	13Cr
Body Seat:	Stellite 6
Packing:	NA
Gland:	NA
Bolt & Nut:	ASTM A193 Gr.B7/ASTM A194 Gr.2H
Gasket Bonnet:	//ΤΔ

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 be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.
- 11. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:	DATA SHEETS FOR MANUAL VALVES							
• ۵۳ - • ۷۳ - ۹ ۱۸۴	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه
	BK	GCS	PEDCO	120	PI	DT	0002	D02

شماره صفحه : ۸ از ۲٦

TAG NO: MV-CHK-C01B

GENERAL DATA

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

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

NACE MR0175/ISO15156 Compliance Yes (Excpet for AN04)

CODE & STANDARD

Design Code:

Face to Face Dimensional:

Fire Testing:

API 594

ASME B16.10

API 6FA

API 6FA

As per API 598

DESIGN DATA

Pressure Rating: 150#

Design Pressure: 18.2 BARG

Design Temperature: 85 °C

Body Construction: Casting

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

Finishing: Note 10

MATERIAL

ASTM A216 WCB

Trim 18Cr-8Ni-Mo(Trim No. 10) Cover/Bonnet: вс NA Stem: Disc Seat: 18Cr-8Ni-Mo 18Cr-8Ni-Mo **Body Seat:** Packing: NA Gland: NA Bolt & Nut: ASTM A193 Gr.B7M/ASTM A194 Gr.2HM Gasket Bonnet:

General Note:

Body/Cover

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

- 4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
- 5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
- 6. All valve data sheets shall be confirmed by vendor.
- 7.All valve shall have a fire-safe design.
- 8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
- 9 Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.
- 10. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:	DATA SHEETS FOR MANUAL VALVES							
.0414 - 114	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه
	BK	GCS	PEDCO	120	PI	DT	0002	D02

شماره صفحه : ۹ از ۲٦

	TAG NO: MV-CHK-C01S						
	GENERAL DATA						
Type of Valve:	Check						
Pattern:	Swing Type						
Valve Size Range:	2 ~ 24 inch						
Piping Class & C.A:	AS00 & C.A: 0						
NACE MR0175/ISO15156 Compliance	No						
	CODE & STANDARD						
Design Code:	API 594						
Face to Face Dimensional:	ASME B16.10						
Fire Testing:	API 6FA						
Pressure Testing:	As per API 598						
DESIGN DATA							
Pressure Rating:	150#						
Design Pressure:	13.9 BARG						
Design Temperature:	85 °C						
Body Construction:	Casting						
End Connection:	FLGD (In acc. with ASME B16.5)						
Finishing:	NA						
	MATERIAL						
Body/Cover	ASTM A351 CF3M						
Trim	18Cr-8Ni-Mo/Stellite 6 (Trim No. 12)						
Cover/Bonnet:	BC						
Stem:	NA						
Disc Seat:	18Cr-8Ni-Mo						
Body Seat:	Stellite 6						
Packing:	NA						
Gland:	NA						
Bolt & Nut:	ASTM A193 Gr.B8M/ASTM A194 Gr.8M						
Gasket Bonnet:	VTA						

General Note:

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

- 4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
- 5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
- 6. All valve data sheets shall be confirmed by vendor.
- 7.All valve shall have a fire-safe design.
- 8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
- 9. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.





شماره صفحه :۱۰ از ۲٦





احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:	DATA SHEETS FOR MANUAL VALVES							
۹۱۸۴ – ۲۷۰ – ۲۵۰	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه
	BK	GCS	PEDCO	120	PI	DT	0002	D02

TAG NO. INV-CITA-COS								
GENERAL DATA								
Type of Valve:	Check							
Pattern:	Swing Type							
Valve Size Range:	2 ~ 24 inch							
Piping Class & C.A:	CN05 & CN07 & C.A: 6							
NACE MR0175/ISO15156 Compliance	Yes							
CODE & STANDARD								
Design Code:	API 594							
Face to Face Dimensional:	ASME B16.10							
Fire Testing:	API 6FA							
Pressure Testing:	As per API 598							
DESIGN DATA								
Pressure Rating:	300#							
Design Pressure:	30.3 BARG							
Design Temperature:	155 °C							
Body Construction:	Casting							
End Connection:	FLGD							
Finishing:	Note 10							
MATER	IAL							
Body/Cover	ASTM A216 WCB							
Trim	18Cr-8Ni-Mo/Stellite 6 (Trim No. 12)							
Cover/Bonnet:	BC							
Stem:	NA							
Disc Seat:	18Cr-8Ni-Mo							
Body Seat:	Stellite 6							
Packing:	NA							
Gland:	NA							
Bolt & Nut:	ASTM A193 Gr.B7M/ASTM A194 Gr.2HM							
Gasket Bonnet:	VTA							

General Note:

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

- 4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
- 5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
- 6. All valve data sheets shall be confirmed by vendor.
- 7.All valve shall have a fire-safe design.
- 8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
- 9. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.
- 10. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:	DATA SHEETS FOR MANUAL VALVES							
.04 14 - 114	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه
	BK	GCS	PEDCO	120	PI	DT	0002	D02

شماره صفحه:۱۱ از ۲۲

TAG NO: MV-CHK-C03S								
GENERAL DATA								
Type of Valve:	Check							
Pattern:	Swing Type							
Valve Size Range:	2 ~ 24 inch							
Piping Class & C.A:	CS00 & C.A: 0							
NACE MR0175/ISO15156 Compliance	No							
CODE & STANDA	ARD							
Design Code:	API 594							
Face to Face Dimensional:	ASME B16.10							
Fire Testing:	API 6FA							
Pressure Testing: As per API 598								
DESIGN DATA								
Pressure Rating:	300#							
Design Pressure:	30.3 BARG							
Design Temperature:	155 °C							
Body Construction:	Casting							
End Connection:	FLGD (In acc. with ASME B16.5)							
Finishing:	NA							
MATERIAL								
Body/Cover	ASTM A351 CF3M							
Trim	18Cr-8Ni-Mo(Trim No. 10)							
Cover/Bonnet:	BC							
Stem:	NA							
Disc Seat:	18Cr-8Ni-Mo							
Body Seat:	18Cr-8Ni-Mo							
Packing:	NA							
Gland:	NA							
Bolt & Nut:	ASTM A193 Gr.B8M/ASTM A194 Gr.8M							
Gasket Bonnet:	VTA							

General Note:

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

- 4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
- 5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
- 6. All valve data sheets shall be confirmed by vendor.
- 7.All valve shall have a fire-safe design.
- 8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
- 9. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.





شماره صفحه:۱۲ از ۲٦





احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

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

PI DT 0002 D02

TAG NO: MV-CHK-C06

TAG NO. IIIV CIM COO						
GENERAL	DATA					
Type of Valve:	Check					
Pattern:	Swing Type					
Valve Size Range:	2 ~ 12 inch					
Piping Class & C.A:	FN05 & FN07 & C.A: 6					
NACE MR0175/ISO15156 Compliance	Yes					
CODE & STA	INDARD					
Design Code:	API 594					
Face to Face Dimensional:	ASME B16.10					
Fire Testing:	API 6FA					
Pressure Testing:	As per API 598					
DESIGN DATA						
Pressure Rating:	600#					
Design Pressure:	90 BARG					
Design Temperature:	175 °C					
Body Construction:	Casting					
End Connection:	FLGD					
Finishing:	Note 10					
MATER	IAL					
Body/Cover	ASTM A216 WCB					
Trim	18Cr-8Ni-Mo/Stellite 6 (Trim No. 12)					
Cover/Bonnet:	BC					
Stem:	NA					
Disc Seat:	18Cr-8Ni-Mo					
Body Seat:	Stellite 6					
Packing:	NA					
Gland:	NA					
Bolt & Nut:	ASTM A193 Gr.B7M/ASTM A194 Gr.2HM					
Gasket Ronnet:	Ι/ΤΔ					

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 be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.
- 10. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:	DATA SHEETS FOR MANUAL VALVES							
.04 14 - 114	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه
	BK	GCS	PEDCO	120	PI	DT	0002	D02

شماره صفحه :۱۳ از ۲۲

	TAG NO: MV-CHK-C06S							
	GENERAL DATA							
Type of Valve:	Check							
Pattern:	Swing Type							
Valve Size Range:	2 ~ 24 inch							
Piping Class & C.A:	FS00 & C.A: 0							
NACE MR0175/ISO15156 Compliance	No							
	CODE & STANDARD							
Design Code:	API 594							
Face to Face Dimensional:	ASME B16.10							
Fire Testing:	API 6FA							
Pressure Testing:	As per API 598							
DESIGN DATA								
Pressure Rating:	600#							
Design Pressure:	62.4 BARG							
Design Temperature:	175 °C							
Body Construction:	Casting							
End Connection:	FLGD (In acc. with ASME B16.5)							
Finishing:	NA							
	MATERIAL							
Body/Cover	ASTM A351 CF3M							
Trim	18Cr-8Ni-Mo(Trim No. 10)							
Cover/Bonnet:	BC							
Stem:	NA							
Disc Seat:	18Cr-8Ni-Mo							
Body Seat:	18Cr-8Ni-Mo							
Packing:	NA							
Gland:	NA							
Bolt & Nut:	ASTM A193 Gr.B8M/ASTM A194 Gr.8M							
Gasket Bonnet:	VTA							

General Note:

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

- 4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
- 5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
- 6. All valve data sheets shall be confirmed by vendor.
- 7.All valve shall have a fire-safe design.
- 8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
- 9. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

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

شماره صفحه :۱۲ از ۲۳

TAG NO: MV-GAT-F08A

140 140 1417 - 0417 1004						
GENERAL DATA						
Type of Valve:	Gate					
Pattern:	Solid Wedge, H.W.OP					
Valve Size Range:	1/2 ~ 1 1/2 inch					
Piping Class & C.A:	AN01 & C.A: 1					
NACE MR0175/ISO15156 Compliance	No					
CODE & STANDARD						
Design Code:	API602					
Face to Face Dimensional:	ASME B16.10					
Fire Testing:	API 6FA					
Pressure Testing:	As per API 598					
DESIGN DATA						
Pressure Rating:	800#					
Design Pressure:	18.2 BARG					
Design Temperature:	85 °C					
Body Construction:	Forged					
End Connection:	SW & SW/FNPT					
Finishing:	Note 10					
MATER	RIAL					
Body/Bonnet	ASTM A105					
Trim:	13Cr + Stellite 6 (Trim No.8)					
Cover/Bonnet:	ВВ					
Stem:	NA					
Body Seat Surface	Stellite 6					
Gate Seat Surface	13Cr					
Packing:	NA					
Gland:	NA					

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

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.

- 4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
- 5. Vendor to confirm the suitability of material for specified pressure-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 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 - ۹ ۱ ۸ ۴	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدر ک	سريال	نسخه
	BK	GCS	PEDCO	120	PI	DT	0002	D02

شماره صفحه :۱۵ از ۲۲

TAG NO: MV-GAT-F08B

TAG NO. WIV	-GAT-1000
GENERAL	DATA
Type of Valve:	Gate
Pattern:	Solid Wedge, H.W.OP
Valve Size Range:	1/2 ~ 1 1/2 inch
Piping Class & C.A:	AN04, AN05, AN07, CN05, CN07, FN05 & FN07 & C.A: 6
NACE MR0175/ISO15156 Compliance	Yes (exept for AN04)
CODE & STA	ANDARD
Design Code:	API602
Face to Face Dimensional:	ASME B16.10
Fire Testing:	API 6FA
Pressure Testing:	As per API 598
DESIGN	DATA
Pressure Rating:	800#
Design Pressure:	90 BARG
Design Temperature:	175 °C
Body Construction:	Forged
End Connection:	SW & SW/FNPT
Finishing:	Note 10
MATER	RIAL
Body/Bonnet	ASTM A105
Trim:	18Cr-8Ni-Mo/Stellite 6(Trim No. 12)
Cover/Bonnet:	BB
Stem:	18Cr-8Ni-Mo
Body Seat Surface	Stellite 6
Gate Seat Surface	18Cr-8Ni-Mo
Packing:	STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

VTA

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

Bonnet Gasket: General Note:

Gland: Bolt & Nut:

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









شماره صفحه :۱٦ از ٦٦

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

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

TAG NO: MV-GAT-F08S

GENERAL DATA

Type of Valve: Gate

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

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

NACE MR0175/ISO15156 Compliance No

CODE & STANDARD

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

DESIGN DATA

800# Pressure Rating: Design Pressure: 62.4 BARG 175 Design Temperature: °C **Body Construction:** Forged End Connection: SW & SW/FNPT

Finishing: NA

MATERIAL

Body/Bonnet ASTM A105 18Cr-8Ni-Mo(Trim No. 10) Trim:

Cover/Bonnet: ВВ

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

STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING Packing:

VTA Gland:

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

Bonnet Gasket:

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









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

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

شماره صفحه :۱۷ از ۲٦

TAG NO: MV-GAT-F08AZ

GENERAL	DATA
Type of Valve:	Gate
Pattern:	Solid Wedge, H.W.OP
Valve Size Range:	1/2 ~ 1 1/2 inch
Piping Class & C.A:	AZ00 & C.A: 0
NACE MR0175/ISO15156 Compliance	No
CODE & STA	ANDARD
Design Code:	BS 5154
Face to Face Dimensional:	ASME B16.10
Fire Testing:	API 6FA
Pressure Testing:	As per API 598
DESIGN I	DATA
Pressure Rating:	800#
Design Pressure:	18.2 BARG
Design Temperature:	85 °C
Body Construction:	Forged
End Connection:	NPT
Finishing:	NA
MATER	IIAL
Body/Bonnet	ASTM B148 UNS C95800
Trim:	ASTM B148 UNS C95800
Cover/Bonnet:	Screwed Bonnet
Stem:	Aluminium Bronze
Body Seat Surface	ASTM B148 UNS C95800
Gate Seat Surface	VTA
Packing:	STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING
Gland:	VTA
Bolt & Nut:	ASTM A193 Gr.B7/ASTM A194 Gr.2H (Galvanized)
Bonnet Gasket:	VTA

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









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

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

شماره صفحه :۱۸ از ۲٦

TAG NO: MV-GAT-C01A-HO

GENERAL DATA

Type of Valve: Gate

Pattern: Flexible Wedge, H.W.OP

Valve Size Range: 2~12 inch
Piping Class & C.A: AN01 & C.A: 1

NACE MR0175/ISO15156 Compliance

CODE & STANDARD

No

Design Code:

API600
Face to Face Dimensional:

ASME B16.10
Fire Testing:

API 6FA

Pressure Testing: As per API 598

DESIGN DATA

Pressure Rating: 150#

Design Pressure: 18.2 BARG
Design Temperature: 85 °C

Body Construction: Casting

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

Finishing: Note 10

MATERIAL

Body/Bonnet ASTM A216 WCB

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

Cover/Bonnet:

Stem:

Body Seat Surface

Gate Seat Surface

BB

13Cr

Stellite 6

13Cr

Packing:

STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE

+ DACKING PING

+ 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 be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.
- 10. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

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

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 Range:	2~12 inch
Piping Class & C.A:	AN04, AN05 & AN07 & C.A: 6
NACE MR0175/ISO15156 Compliance	Yes (Except for AN04)
CODE & STA	NDARD
Design Code:	API600
Face to Face Dimensional:	ASME B16.10
Fire Testing:	API 6FA
Pressure Testing:	As per API 598
DESIGN D	АТА
Pressure Rating:	150#
Design Pressure:	18.2 BARG
Design Temperature:	85 °C
Body Construction:	Casting
End Connection:	FLGD (In acc. with ASME B16.5)
Finishing:	Note 10
MATER	IAL
Body/Bonnet	ASTM A216 WCB
Trim:	18Cr-8Ni-Mo/Stellite 6(Trim No. 12)
Cover/Bonnet:	BB
Stem:	18Cr-8Ni-Mo
Body Seat Surface	Stellite 6
Gate Seat Surface	18Cr-8Ni-Mo
Packing:	STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING
Gland:	VTA
Bolt & Nut:	ASTM A193 Gr.B7M/ASTM A194 Gr.2HM
Bonnet Gasket:	VTA

- 1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
- 2.Inner or 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 be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.
- 10. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:		DATA SHEETS FOR MANUAL VALVES						
۹۱۸۴ – ۲۷۰ – ۱۸۴	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه
	BK	GCS	PEDCO	120	PI	DT	0002	D02

شماره صفحه:۲۰ از ۲٦

TAG NO: MV-GAT-C01S-HO

GENERAL DATA

Type of Valve: Gate

Pattern: Flexible Wedge, H.W.OP

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

No NACE MR0175/ISO15156 Compliance

CODE & STANDARD

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

Pressure Testing: As per API 598

DESIGN DATA

150# Pressure Rating:

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

Body Construction: Casting

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

Finishing: NA

MATERIAL

Body/Bonnet ASTM A351 CF3M

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

Cover/Bonnet:

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

STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE Packing:

+ PACKING RING

вв

Gland: VTA

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

VTA Bonnet Gasket:

General Note:

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

- 4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
- 5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
- 6. All valve data sheets shall be confirmed by vendor.
- 7.All valve shall have a fire-safe design.
- 8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
- 9. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.





شماره صفحه: ۲۱ از ۲۲





احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

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

TAG NO: MV-GAT-C01A-GO

GENERAL DATA

Type of Valve: Gate

Pattern: Flexible Wedge, Gear .OP

Valve Size Range: 14~24 inch
Piping Class & C.A: AN01 & C.A: 1

NACE MR0175/ISO15156 Compliance No

CODE & STANDARD

Design Code:

API600
Face to Face Dimensional:

ASME B16.10
Fire Testing:

API 6FA

Pressure Testing: As per API 598

DESIGN DATA

Pressure Rating: 150#

Design Pressure: 18.2 BARG
Design Temperature: 85 °C

Body Construction: Casting

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

Finishing: Note 10

MATERIAL

Body/Bonnet ASTM A216 WCB

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

Cover/Bonnet: BB
Stem: 13Cr

Body Seat Surface Stellite 6
Gate Seat Surface 13Cr

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

Gland: VT.

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

Bonnet Gasket: VTA

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







نسخه



احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

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

شماره صفحه :۲۲ از ۲۶

TAG NO: MV-GAT-C01B-GO

GENERAL DATA

Type of Valve:

Flexible Wedge, Gear .OP Pattern:

14~24 inch Valve Size Range:

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

NACE MR0175/ISO15156 Compliance Yes (Except for AN04)

CODE & STANDARD

API600 Design Code:

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

As per API 598 Pressure Testing:

DESIGN DATA

Pressure Rating: 150#

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

Body Construction: Casting

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

Finishing: Note 10

MATERIAL

ASTM A216 WCB Body/Bonnet

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

ВВ Cover/Bonnet:

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

Gate Seat Surface 18Cr-8Ni-Mo

STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING Packing:

Gland:

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

VTA Bonnet Gasket:

- 1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
- 2.Inner or 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 be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.
- 10. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

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

شماره صفحه : ۲۳ از ۲٦

TAG NO: MV-GAT-C01S-GO

	GENERAL DATA
Type of Valve:	Gate
Pattern:	Flexible Wedge, Gear .OP
Valve Size Range:	14~24 inch
Piping Class & C.A:	AS00 & C.A: 0
NACE MR0175/ISO15156 Compliance	No
	CODE & STANDARD
Design Code:	API600
Face to Face Dimensional:	ASME B16.10
Fire Testing:	API 6FA
Pressure Testing:	As per API 598
	DESIGN DATA
Pressure Rating:	150#
Design Pressure:	13.9 BARG
Design Temperature:	85 °C
Body Construction:	Casting
End Connection:	FLGD (In acc. with ASME B16.5)
Finishing:	NA
	MATERIAL
Body/Bonnet	ASTM A351 CF3M
Trim:	18Cr-8Ni-Mo(Trim No. 10)
Cover/Bonnet:	ВВ
Stem:	18Cr-8Ni-Mo
Body Seat Surface	18Cr-8Ni-Mo
Gate Seat Surface	18Cr-8Ni-Mo
Packing:	STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING
Gland:	VTA
Bolt & Nut:	ASTM A193 Gr.B8M/ASTM A194 Gr.8M

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









شماره صفحه :۲۶ از ۲٦

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

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

TAG N	O: MV-GAT-C03-HO
	ENERAL DATA
Type of Valve:	Gate
Pattern:	Flexible Wedge, H.W.OP
Valve Size Range:	2~12 inch
Piping Class & C.A:	CN05 & CN07 & C.A: 6
NACE MR0175/ISO15156 Compliance	Yes
CO	DE & STANDARD
Design Code:	API600
Face to Face Dimensional:	ASME B16.10
Fire Testing:	API 6FA
Pressure Testing:	As per API 598
	DESIGN DATA
Pressure Rating:	300#
Design Pressure:	48 BARG
Design Temperature:	155 °C
Body Construction:	Casting
End Connection:	FLGD (In acc. with ASME B16.5)
Finishing:	Note 10
	MATERIAL
Body/Bonnet	ASTM A216 WCB
Trim:	18Cr-8Ni-Mo/Stellite 6(Trim No. 12)
Cover/Bonnet:	BB
Stem:	18Cr-8Ni-Mo
Body Seat Surface	Stellite 6
Gate Seat Surface	18Cr-8Ni-Mo
Packing:	STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING
Gland:	VTA
Bolt & Nut:	ASTM A193 Gr.B7M/ASTM A194 Gr.2HM

Bonnet Gasket: 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 be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.
- 10. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

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

شماره صفحه :۲۵ از ۲۲

TAG NO: MV-GAT-C03S-HO							
GENERAL DATA							
Type of Valve:	Gate						
Pattern:	Flexible Wedge, H.W.OP						
Valve Size Range:	2~12 inch						
Piping Class & C.A:	CS00 & C.A: 0						
NACE MR0175/ISO15156 Compliance	No						
	CODE & STANDARD						
Design Code:	API600						
Face to Face Dimensional:	ASME B16.10						
Fire Testing:	API 6FA						
Pressure Testing:	As per API 598						
	DESIGN DATA						
Pressure Rating:	300#						
Design Pressure:	30 BARG						
Design Temperature:	155 °C						
Body Construction:	Casting						
End Connection:	FLGD (In acc. with ASME B16.5)						
Finishing:	NA						
	MATERIAL						
Body/Bonnet	ASTM A351 CF3M						
Trim:	18Cr-8Ni-Mo(Trim No. 10)						
Cover/Bonnet:	ВВ						
Stem:	18Cr-8Ni-Mo						
Body Seat Surface	18Cr-8Ni-Mo						
Gate Seat Surface	18Cr-8Ni-Mo						
Packing:	STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING						
Gland:	VTA						
Bolt & Nut:	ASTM A193 Gr.B8M/ASTM A194 Gr.8M						
Bonnet Gasket:	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 with weight of 500 KG and more shall be equipped with Lifting Lugs.





شماره صفحه :۲٦ از ٦٦





احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

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

TAG NO: MV-GAT-C03-GO

СΤΕΙ	NΗ	KΔI	DA	IΔ
·			-, .	

Type of Valve: Gate

Pattern: Flexible Wedge, Gear .OP

Valve Size Range: 14~24 inch

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

NACE MR0175/ISO15156 Compliance Yes

CODE & STANDARD

Design Code:

Face to Face Dimensional:

Fire Testing:

API600

ASME B16.10

API 6FA

Aressure Testing:

As per API 598

DESIGN DATA

Pressure Rating: 300#

Design Pressure: 47.7 BARG

Design Temperature: 155 °C

Body Construction: Casting

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

Finishing: Note 10

MATERIAL

Body/Bonnet ASTM A216 WCB

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

Cover/Bonnet: BB

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

Gate Seat Surface Stellite 6

18Cr-8Ni-Mo

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

Gland: VTA

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

Bonnet Gasket: VTA

General Note:

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

- 4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
- 5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
- 6. All valve data sheets shall be confirmed by vendor.
- 7.All valve shall have a fire-safe design.
- 8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
- 9. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.
- 10. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.



احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک







شماره پیمان:

DATA SHEETS FOR MANUAL VALVES

۰۵۳ –	• ٧٣ – ٩ ١٨۴	

 نسخه
 سریال
 نوع مدر کك
 رشته
 تسهیلات
 صادر کتنده
 بسته کاری
 پروژه

 BK
 GCS
 PEDCO
 120
 PI
 DT
 0002
 D02

شماره صفحه :۲۷ از ۲٦

TAG NO: MV-GAT-C06-HO

	GENERAL DATA
Type of Valve:	Gate
Pattern:	Flexible Wedge, H.W .OP
Valve Size Range:	2~10 inch
Piping Class & C.A:	FN05 & FN07 & C.A: 6
NACE MR0175/ISO15156 Compliance	Yes
	CODE & STANDARD
Design Code:	API600
Face to Face Dimensional:	ASME B16.10
Fire Testing:	API 6FA
Pressure Testing:	As per API 598
	DESIGN DATA
Pressure Rating:	600#
Design Pressure:	90 BARG
Design Temperature:	175 °C
Body Construction:	Casting
End Connection:	FLGD (In acc. with ASME B16.5)
Finishing:	Note 10
	MATERIAL
Body/Bonnet	ASTM A216 WCB
Trim:	18Cr-8Ni-Mo(Trim No. 10)
Cover/Bonnet:	ВВ
Stem:	18Cr-8Ni-Mo
Body Seat Surface	18Cr-8Ni-Mo
Gate Seat Surface	18Cr-8Ni-Mo
Packing:	STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE
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 be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.
- 10. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:		DATA SHEETS FOR MANUAL VALVES نسخه سریال نوع مدر ک رشته تسهیلات صادر کننده بسته کاری پ						
۱۸۴ – ۲۷۰ – ۱۸۴	پروژه	بسته کاری	صادركننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه
	BK	GCS	PEDCO	120	PI	DT	0002	D02

شماره صفحه :۲۸ از ۲۸

TAG NO: MV-GAT-C06S-HO

	TAG NO. INV GAT COOS NO			
GENERAL DATA				
Type of Valve:	Gate			
Pattern:	Flexible Wedge, H.W .OP			
Valve Size Range:	2~10 inch			
Piping Class & C.A:	FS00 & C.A: 0			
ACE MR0175/ISO15156 Compliance				
CODE & STANDARD				
Design Code:	API600			
Face to Face Dimensional:	ASME B16.10			
Fire Testing:	API 6FA			
Pressure Testing:	As per API 598			
	DESIGN DATA			
Pressure Rating:	600#			
Design Pressure:	62.4 BARG			
Design Temperature:	175 °C			
Body Construction:	Casting			
End Connection:	FLGD (In acc. with ASME B16.5)			
Finishing:	NA			
	MATERIAL			
Body/Bonnet	ASTM A351 CF3M			
Trim:	18Cr-8Ni-Mo(Trim No. 10)			
Cover/Bonnet:	ВВ			
Stem:	18Cr-8Ni-Mo			
Body Seat Surface	18Cr-8Ni-Mo			
Gate Seat Surface	18Cr-8Ni-Mo			
Packing:	STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING			
Gland:	VTA			
Bolt & Nut:	ASTM A193 Gr.B8M/ASTM A194 Gr.8M			
Bonnet Gasket:	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 with weight of 500 KG and more shall be equipped with Lifting Lugs.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

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

شماره صفحه :۲۹ از ۲٦

TAG NO: MV-GAT-C06-GO

GENERA	L DATA			
Type of Valve:	Gate			
Pattern:	Flexible Wedge, Gear .OP			
Valve Size Range:	12~24 inch			
Piping Class & C.A:	FN05 & FN07 & C.A: 6			
NACE MR0175/ISO15156 Compliance	Yes			
CODE & ST	TANDARD			
Design Code:	API600			
Face to Face Dimensional:	ASME B16.10			
Fire Testing:	API 6FA			
Pressure Testing:	As per API 598			
DESIGN	DATA			
Pressure Rating:	600#			
Design Pressure:	90 BARG			
Design Temperature:	175 °C			
Body Construction:	Casting			
End Connection:	FLGD (In acc. with ASME B16.5)			
Finishing:	Note 10			
MATE	RIAL			
Body/Bonnet	ASTM A216 WCB			
Trim:	18Cr-8Ni-Mo/Stellite 6(Trim No. 12)			
Cover/Bonnet:	ВВ			
Stem:	18Cr-8Ni-Mo			
Body Seat Surface	Stellite 6			
Gate Seat Surface	18Cr-8Ni-Mo			
Packing:	STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING			
Gland:	VTA			
Bolt & Nut:	ASTM A193 Gr.B7M/ASTM A194 Gr.2HM			
Bonnet Gasket:	VTA			
General Note:				

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

- 4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
- 5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
- 6. All valve data sheets shall be confirmed by vendor.
- 7.All valve shall have a fire-safe design.
- 8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
- 9. Valves shall be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.
- 10. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.







D02



احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

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

شماره صفحه :۳۰ از ۲۲

TAG NO: MV-GLB-F08A

GENERAL DATA

Type of Valve: Globe

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

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

NACE MR0175/ISO15156 Compliance

CODE & STANDARD

Design Code:

API 602/MFR
Face to Face Dimensional:

ASME B16.10
Fire Testing:

API 6FA
Pressure Testing:

API 679

DESIGN DATA

Pressure Rating: 800#

Design Pressure:

Design Temperature:

Body Construction:

Trim Construction:

End Connection:

18.2

BARG

85

°C

Forged

Forged (VTC)

SW

Finishing: SW

Note 10

MATERIAL

Body/Bonnet ASTM A105

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

 Cover
 BC

 Stem:
 13Cr

 Disc Seat:
 13Cr

 Body Seat:
 Stellite 6

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

Gland: VTA

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

Bonnet Gasket: VTA

- 1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
- 2.Inner or 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 be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان:

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

شماره صفحه :31 از 23

TAG NO: MV-GLB-F08B

GENERAL DATA

Type of Valve: Globe

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

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

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

NACE MR0175/ISO15156 Compliance Yes (Except for AN04)

CODE & STANDARD

Design Code:

API 602/MFR
Face to Face Dimensional:

ASME B16.10
Fire Testing:

API 6FA
Pressure Testing:

API 6FA
As per API 598

DESIGN DATA

800# Pressure Rating: 90 Design Pressure: **BARG** Design Temperature: 175 °C **Body Construction:** Forged Trim Construction: Forged (VTC) End Connection: SW Finishing: Note 10

MATERIAL

Body/Bonnet ASTM A105

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

Cover/Bonnet: BB

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

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

Gland: VTA

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

Bonnet Gasket: VTA

- 1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
- 2.Inner or 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 be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان:

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

شماره صفحه :۳۲ از ٦٦

TAG NO: MV-GLB-F08S

GENERAL DATA

Type of Valve: Globe

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

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

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

NACE MR0175/ISO15156 Compliance

CODE & STANDARD

Design Code:

API 602/MFR
Face to Face Dimensional:

ASME B16.10
Fire Testing:

API 6FA
Pressure Testing:

API 679

DESIGN DATA

Pressure Rating:

Design Pressure:

62.4 BARG

Design Temperature:

175 °C

Body Construction:

Forged

Trim Construction:

Forged (VTC)

End Connection:

SW

Finishing:

MATERIAL

Body/Bonnet ASTM A182 F316L

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

Cover/Bonnet: BB

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

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

Gland: VTA

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

Bonnet Gasket: VTA

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











شماره صفحه :۳۳ از ۲٦

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: · ۵۳ - · ۷۳ - 9114 بسته کاری صادر كننده تسهيلات نوع مدرک سر يال نسخه پروژه BK **GCS PEDCO** 120 Ы DT 0002 D02

TAG NO: MV-GLB-F08AZ

GENERAL DATA

Type of Valve: Globe

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

Valve Size Range: 1/2 ~ 1 1/2 inch Piping Class & C.A: AZ00 & C.A: 0

No NACE MR0175/ISO15156 Compliance

CODE & STANDARD

Design Code: BS 5154

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

As per API 598 Pressure Testing:

DESIGN DATA

800# Pressure Rating:

Design Pressure: 18 BARG

85 °C Design Temperature:

Body Construction: Forged End Connection: NPT

Finishing: NΑ

MATERIAL

Body/Bonnet ASTM B148 UNS C95800

Trim ASTM B148 UNS C95800

Cover/Bonnet: Screwed Bonnet Stem: Aluminium Bronze

Disc Seat: ASTM B148 UNS C95800

Body Seat: VTA

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

VTA Gland:

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

Bonnet Gasket:

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









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

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

شماره صفحه :32 از 23

TAG NO: MV-GLB-C01A-HO				
GENERAL DATA				
Type of Valve:	Globe			
Pattern:	OS&Y, SWIVEL PLUG DISC, H.W.OP			
Valve Size Range:	2 ~ 6 inch			
Piping Class & C.A:	AN01 & C.A: 1			
NACE MR0175/ISO15156 Compliance	No			
	CODE & STANDARD			
Design Code:	BS 1873			
Face to Face Dimensional:	ASME B16.10			
re Testing: API 6FA				
Pressure Testing:	As per API 598			
DESIGN DATA				
Pressure Rating:	150#			
Design Pressure:	18.2 BARG			
Design Temperature:	85 °C			
Body Construction:	Casting			
Trim Construction:	Casting			
End Connection:	FLGD (In acc. with ASME B16.5)			
Finishing:	Note 10			
	MATERIAL			
Body/Bonnet	ASTM A216 WCB			
Trim	13Cr + Stellite 6 (Trim No.8)			
Cover/Bonnet:	ВВ			
Stem:	13Cr			
Disc Seat:	13Cr			
Body Seat:	Stellite 6			
Packing:	STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING			
Gland:	VTA			
Bolt & Nut:	ASTM A193 Gr.B7/ASTM A194 Gr.2H			
Bonnet Gasket:	VTA			

- 1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
- 2.Inner or 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 be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.
- 10. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

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

شماره صفحه :۳۵ از ۲٦

TAG NO: MV-GLB-C01B-HO

Type of Valve: Globe

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

Valve Size Range: 2 ~ 6 inch

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

NACE MR0175/ISO15156 Compliance Yes (Except for AN04)

CODE & STANDARD

Design Code:

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: 18.2 BARG

Design Temperature: 85 °C

Body Construction: Casting

Trim Construction: Casting

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

Finishing: Note 10

MATERIAL

Body/Bonnet ASTM A216 WCB

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

Cover/Bonnet:

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

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

Gland: VTA

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

Bonnet Gasket: VTA

- 1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
- 2.Inner or 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 be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.
- 10. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.



احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک



شماره پیمان:

۹۱۸۴ – ۲۷۰ – ۳۵۰

DATA SHEETS FOR MANUAL VALVES

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

شماره صفحه : ۳٦ از ٦٦

TAG NO: MV-GLB-C01S-HO

GENERAL DATA				
pe of Valve: Globe				
Pattern:	OS&Y, SWIVEL PLUG DISC, H.W.OP			
Valve Size Range:	2 ~ 6 inch			
Piping Class & C.A:	AS00 & C.A: 0			
NACE MR0175/ISO15156 Compliance	No			
CODE & STANI	DARD			
Design Code:	BS 1873			
Face to Face Dimensional:	ASME B16.10			
Fire Testing:	API 6FA			
Pressure Testing:	As per API 598			
DESIGN DA	TA			
Pressure Rating:	150#			
Design Pressure:	13.9 BARG			
Design Temperature:	85 °C			
Body Construction:	Casting			
Trim Construction:	Casting			
End Connection:	FLGD (In acc. with ASME B16.5)			
Finishing:	NA			
MATERIA	L			
Body/Bonnet	ASTM A351 CF3M			
Trim	18Cr-8Ni-Mo(Trim No. 10)			
Cover/Bonnet:	ВВ			
Stem:	18Cr-8Ni-Mo			
Disc Seat:	18Cr-8Ni-Mo			
Body Seat:	18Cr-8Ni-Mo			
Packing:	STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING			
Gland:	VTA			
Bolt & Nut:	ASTM A193 Gr.B8M/ASTM A194 Gr.8M			
Bonnet Gasket:	VTA			

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









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:			DATA	SHEETS FO	R MANUAL	VALVES			
• ۵۳ - • ۷۳ - 9 ۱ ۸ ۴	پروژه	بسته کاری	صادر کننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه	
	BK	GCS	PEDCO	120	PI	DT	0002	D02	

شماره صفحه :۳۷ از ۲3

TAG NO: MV-GLB-C01-GO

GENERAL DATA

Type of Valve: Globe

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

Valve Size Range: 8 ~ 24 inch

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

NACE MR0175/ISO15156 Compliance Yes (Except for AN04)

CODE & STANDARD

Design Code:

Face to Face Dimensional:

Fire Testing:

Pressure Testing:

BS 1873

ASME B16.10

API 6FA

As per API 598

DESIGN DATA

Pressure Rating: 150#

Design Pressure: 18 BARG

Design Temperature: 85 °C

Body Construction: Casting

Trim Construction: Casting

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

Finishing: Note 10

MATERIAL

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

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

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

+ 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 be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.
- 10. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:			DATA	A SHEETS FO	OR MANUAL	VALVES		
· ۵۳ - · ۷۳ - ۹ ۱ ۸۴	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه
	BK	GCS	PEDCO	120	PI	DT	0002	D02

شماره صفحه :۳۸ از ۲٦

TAG NO: MV-GLB-C01S-GO

GENERAL DATA

Type of Valve: Globe

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

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

NACE MR0175/ISO15156 Compliance No

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: 13.9 BARG
Design Temperature: 85 °C
Body Construction: Casting
Trim Construction: Casting

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

Finishing: NA

MATERIAL

Body/Bonnet ASTM A351 CF3M

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

Cover/Bonnet: BB

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

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

Gland: VTA

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

Bonnet Gasket: VTA

General Note:

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

- 4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
- 5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
- 6. All valve data sheets shall be confirmed by vendor.
- 7.All valve shall have a fire-safe design.
- 8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
- 9. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.





شماره صفحه : ۳۹ از ۲٦





احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان: ۹۱۸۴ – ۰۷۳ – ۰۵۳

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

TAG NO: MV-GLB-C03-HO

GENERAL DATA

Type of Valve: Globe

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

Valve Size Range: 2 ~ 6 inch

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

NACE MR0175/ISO15156 Compliance Yes

CODE & STANDARD

Design Code:

Face to Face Dimensional:

Fire Testing:

API 6FA

Pressure Testing:

AS per API 598

DESIGN DATA

Pressure Rating: 300#

Design Pressure:

Design Temperature:

Body Construction:

Trim Construction:

47.7 BARG

155 °C

Casting

Casting

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

Finishing: Note 10

MATERIAL

Body/Bonnet ASTM A216 WCB

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

Cover/Bonnet:

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

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE

Gland: + PACKING RING

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

Bonnet Gasket: V

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









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

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

شماره صفحه :25 از 23

TAG NO: MV-GLB-C03S-HO

GENERAL DATA

Type of Valve: Globe

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

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

NACE MR0175/ISO15156 Compliance No

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: 30.3 BARG
Design Temperature: 155 °C
Body Construction: Casting

Trim Construction: Casting

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

Finishing: NA

MATERIAL

Body/Bonnet ASTM A351 CF3M

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

Cover/Bonnet: BB

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

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

Gland: VTA

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

Bonnet Gasket: VTA

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





شماره صفحه: ١٤ از ٦٦





احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

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

TAG NO: MV-GLB-C03-GO

GENERAL DATA

Type of Valve: Globe

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

Valve Size Range: 8 ~ 12 inch

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

Yes NACE MR0175/ISO15156 Compliance

CODE & STANDARD

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

DESIGN DATA

As per API 598

Pressure Rating: 300# Design Pressure: 48 BARG

Design Temperature: 155 °C **Body Construction:** Casting Trim Construction: Casting End Connection: FLGD Finishing: Note 10

MATERIAL

Body/Bonnet ASTM A216 WCB

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

Cover/Bonnet: ВВ

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

Pressure Testing:

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





شماره صفحه: 22 از ٦٦





احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

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

TAG NO: MV-GLB-C06-HO

GENERAL DATA

Type of Valve: Globe

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

Valve Size Range: 2 ~ 4 inch

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

NACE MR0175/ISO15156 Compliance Yes

CODE & STANDARD

Design Code:

BS 1873

Face to Face Dimensional:

ASME B16.10

Fire Testing:

API 6FA

Pressure Testing:

As per API 598

DESIGN DATA

Pressure Rating: 600#

Design Pressure: 90 BARG

Design Temperature: ## °C

Body Construction: Casting

Trim Construction: Casting

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

Finishing: Note 10

MATERIAL

Body/Bonnet ASTM A216 WCB

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

Cover/Bonnet:

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

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

Gland: VTA

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

Bonnet Gasket: VTA

- 1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
- 2.Inner or 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 be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.
- 10. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

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

شماره صفحه :23 از 23

TAG NO: MV-GLB	-CO6S-HO
GENERAL DA	ATA
Type of Valve:	Globe
Pattern:	OS&Y, SWIVEL PLUG DISC, H.W.OP
Valve Size Range:	2 ~ 4 inch
Piping Class & C.A:	FS00 & C.A: 0
NACE MR0175/ISO15156 Compliance	No
CODE & STAN	DARD
Design Code:	BS 1873
Face to Face Dimensional:	ASME B16.10
Fire Testing:	API 6FA
Pressure Testing:	As per API 598
DESIGN DA	та
Pressure Rating:	600#
Design Pressure:	62.4 BARG
Design Temperature:	175 °C
Body Construction:	Casting
Trim Construction:	Casting
End Connection:	FLGD (In acc. with ASME B16.5)
Finishing:	NA
MATERIA	L
Body/Bonnet	ASTM A351 CF3M
Trim	18Cr-8Ni-Mo(Trim No. 10)
Cover/Bonnet:	ВВ
Stem:	18Cr-8Ni-Mo
Disc Seat:	18Cr-8Ni-Mo
Body Seat:	18Cr-8Ni-Mo
Packing:	STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING
Gland:	VTA
Bolt & Nut:	ASTM A193 Gr.B8M/ASTM A194 Gr.8M

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



شماره صفحه: 25 از ٦٦





احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES شماره پیمان: .04 - . 14 - 4114 نوع مدرک بسته کاري صادر کننده تسهيلات رشته سريال نسخه پروژه BK **GCS PEDCO** 120 Ы DT 0002 D02

TAG NO: MV-GLB-C06-GO

GENERAL DATA

Type of Valve: Globe

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

Valve Size Range: 6 ~ 12 inch

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

NACE MR0175/ISO15156 Compliance

CODE & STANDARD

Yes

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

DESIGN DATA

600# Pressure Rating: Design Pressure: 90 BARG Design Temperature: 175 °C

Body Construction: Casting Trim Construction: Casting

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

Finishing: Note 10

MATERIAL

Body/Bonnet ASTM A216 WCB

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

вв Cover/Bonnet:

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

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

Gland: 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 be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.
- 10. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

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

شماره صفحه :20 از ٦٦

TAG NO: MV-GLB-C06S-GO

GENERAL DATA

Type of Valve: Globe

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

Valve Size Range: 6~12 inch
Piping Class & C.A: FS00 & C.A: 0

NACE MR0175/ISO15156 Compliance

CODE & STANDARD

No

Design Code:

BS 1873

Face to Face Dimensional:

Fire Testing:

API 6FA

Pressure Testing:

As per API 598

DESIGN DATA

Pressure Rating: 600#

Design Pressure: 62.4 BARG

Design Temperature: 175 °C

Body Construction: Casting

Trim Construction: Casting

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

Finishing: NA

MATERIAL

Body/Bonnet ASTM A351 CF3M

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

Cover/Bonnet: BB

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

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

Gland: VTA

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

Bonnet Gasket: VTA

General Note:

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

- 4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
- 5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
- 6. All valve data sheets shall be confirmed by vendor.
- 7.All valve shall have a fire-safe design.
- 8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
- 9. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.







D02



احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

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

شماره صفحه :23 از 23

TAG NO: MV-BAL-F08A

GENERAL DATA

Type of Valve: Ball

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

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

NACE MR0175/ISO15156 Compliance

CODE & STANDARD

Design Code:

Face to Face Dimensional:

BS EN ISO 17292

ASME B16.10

API 6FA

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

DESIGN DATA

Pressure Rating: 800#

Design Pressure: 18.2 BARG
Design Temperature: 85 °C

Body Construction:

Trim Construction:

End Connection:

Sw & Sw/FNPT

Finishing: Note 10

MATERIAL

 Body/Bonnet
 ASTM A105

 Ball
 13Cr

 Stem:
 13Cr

 Seat:
 PTFE

 Seal:
 Elast-o-Lion (VTC)

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

Gland: VTA

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

Bonnet Gasket: VTA

- 1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
- 2.Inner or 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 be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES

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

شماره صفحه :27 از ٦٦

TAG NO: MV-BAL-F08B

GENERAL DATA

Type of Valve: Ball

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

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

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

NACE MR0175/ISO15156 Compliance Yes (Except for AN04)

CODE & STANDARD

Design Code:

BS EN ISO 17292
Face to Face Dimensional:

ASME B16.10
Fire Testing:

API 6FA

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

DESIGN DATA

Pressure Rating: 800#

Design Pressure: 90 BARG
Design Temperature: 175 °C

Body Construction:

Trim Construction:

End Connection:

SW & SW/FNPT

Finishing: Note 10

MATERIAL

Body/Bonnet ASTM A105
Ball SS316
Stem: SS316

Seat: PTFE
Seal: Elast-o-Lion (VTC)

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

Gland: VTA

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

Bonnet Gasket: VTA

General Note:

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

- 4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
- 5. Vendor to confirm the suitability of material for specified pressure-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 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

 نهان:
 نهان:

 نوع مدرک (شته تسهیلات صادر کننده ایسته کاری پروژه
 پروژه

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

شماره صفحه :٤٨ از ٦٦ شخه سريال

TAG NO: MV-BAL-F08S

GENERAL DATA

Type of Valve: Bal

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

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

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

NACE MR0175/ISO15156 Compliance No

CODE & STANDARD

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

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

DESIGN DATA

API 6FA

Pressure Rating: 800#

Design Pressure: 62.4 BARG
Design Temperature: 175 °C

Body Construction: Forged
Trim Construction: Forged (VT

Trim Construction: Forged (VTC) End Connection: SW

Finishing:

MATERIAL

NA

Body/Bonnet ASTM A182 F316L

BallSS316Stem:SS316Seat:PTFE

Seal: Elast-o-Lion (VTC)

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

Gland: VTA

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

Bonnet Gasket: VTA

General Note:

Fire Testing:

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



.04 - . 14 - 4114

نگهداشت و افزایش تولید میدان نفتی بینک سطحالارض

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک





DATA SHEETS FOR MANUAL VALVES

اره پیمان:

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

شماره صفحه :29 از ٦٦

TAG NO: MV-BAL-F08AZ GENERAL DATA Ball Type of Valve: Pattern: Reduced Bore, Floating Ball, Wrench .OP, 2 Pieces Valve Size Range: 1/2 ~ 1 1/2 inch AZ00 & C.A: 0 Piping Class & C.A: NACE MR0175/ISO15156 Compliance No **CODE & STANDARD** BS EN ISO 17292 Design Code: **ASME B16.10** Face to Face Dimensional: API 6FA Fire Testing: API 6D (Preferred)/API 598 Pressure Testing: **DESIGN DATA** 800# Pressure Rating: 18.2 BARG Design Pressure: 85 Design Temperature: °C **Body Construction:** Forged End Connection: NPT Finishing: NA MATERIAL Body/Bonnet ASTM B148 UNS C95800 ASTM B148 UNS C95800 Ball Stem: Aluminium Bronze PTFE Seat: Seal: Elast-o-Lion (VTC) **Body Seat: ASTM B148 UNS C95800** Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING VTA Gland: Bolt & Nut: ASTM A193 Gr.B7/ASTM A194 Gr.2H (Galvanized) Bonnet Gasket: VTA

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



شماره صفحه :٥٠ از ٦٦





احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

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

TAG NO: MV-BAL-C01AF-HO

GENERAL D	АТА				
Type of Valve:	Ball				
Pattern:	Full Bore, Split Body, Floating Ball, Wrench .OP, 2 Pieces				
Valve Size Range:	2				
Piping Class & C.A:	AN01 & C.A: 1				
NACE MR0175/ISO15156 Compliance	No				
CODE & STAN	IDARD				
Design Code:	API 6D/ASME B16.34				
Face to Face Dimensional:	ASME B16.10				
Fire Testing:	API 6FA				
Pressure Testing:	API 6D (Preferred)/API 598				
DESIGN DA	ATA				
Pressure Rating:	150#				
Design Pressure:	18.2 BARG				
Design Temperature:	85 °C				
Body Construction:	Casting				
Trim Construction:	Casting				
End Connection:	FLGD (In acc. with ASME B16.5)				
Finishing:	Note 10				
MATERIA .	AL.				
Body/Bonnet	ASTM A216 WCB				
Ball	13Cr				
Stem:	13Cr				
Seat:	PTFE				
Seal:	Elast-o-Lion (VTC)				
Packing:	STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING				
Gland:	VTA				
Bolt & Nut:	ASTM A193 Gr.B7M/ASTM A194 Gr.2HM				
Bonnet Gasket:	VTA				

- 1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
- 2.Inner or 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 be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.
- 10. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.
- 11.The body split shall be outside the plane of the stem protrusion





شماره صفحه: ٥١ از ٦٦





احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

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

TAG NO: MV-BAL-C01AT-HO

ATA
Ball
Full Bore, Split Body, Trunnion Mounted, Wrench .OP, 2 Pieces
3 ~ 6 inch
AN01 & C.A: 1
No
DARD
API 6D/ASME B16.34
ASME B16.10
API 6FA
API 6D (Preferred)/API 598
та
150#
18.2 BARG
85 °C
Casting
Casting
FLGD (In acc. with ASME B16.5)
Note 10
L
ASTM A216 WCB
13Cr
13Cr
PTFE
Elast-o-Lion (VTC)
STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING
VTA
ASTM A193 Gr.B7M/ASTM A194 Gr.2HM
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 be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.
- 10. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.
- 11. The body split shall be outside the plane of the stem protrusion.









شماره صفحه :۵۲ از ۲٦

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

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

TAG NO: MV-BAL-C01BF-HO

GENERAL D	ATA			
Type of Valve:	Ball			
Pattern:	Full Bore, Split Body, Floating Ball, Wrench .OP, 2 Pieces			
Valve Size Range:	2 inch			
Piping Class & C.A:	AN04, AN05 & AN07 & C.A: 6			
NACE MR0175/ISO15156 Compliance	Yes (Except for AN04)			
CODE & STAN	DARD			
Design Code:	API 6D/ASME B16.34			
Face to Face Dimensional:	ASME B16.10			
Fire Testing:	API 6FA			
Pressure Testing:	API 6D (Preferred)/API 598			
DESIGN DA	ATA			
Pressure Rating:	150#			
Design Pressure:	18.2 BARG			
Design Temperature:	85 °C			
Body Construction:	Casting			
Trim Construction:	Casting			
End Connection:	FLGD (In acc. with ASME B16.5)			
Finishing:	Note 10			
MATERIA	NL CONTRACTOR OF THE CONTRACTO			
Body/Bonnet	ASTM A216 WCB			
Ball	SS316			
Stem:	SS316			
Seat:	PTFE			
Seal:	Elast-o-Lion (VTC)			
Packing:	STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING			
Gland:	VTA			
Bolt & Nut:	ASTM A193 Gr.B7M/ASTM A194 Gr.2HM			
Bonnet Gasket:	VTA			

- 1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
- 2.Inner or 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 be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.
- 10. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.
- 11. The body split shall be outside the plane of the stem protrusion.







HIRGAN

شماره پیمان:			DAT	A SHEETS FOR	R MANUAL	VALVES		
. 24 14 - 4186	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه
	BK	GCS	PEDCO	120	PI	DT	0002	D02

شماره صفحه :۵۳ از ۲٦

TAG NO: MV-BAL-C01BT-HO

GENERAL DA	ATA
Type of Valve:	Ball
Pattern:	Full Bore, Split Body, Trunnion Mounted, Wrench .OP, 2 Pieces
Valve Size Range:	3 ~ 6 inch
Piping Class & C.A:	AN04, AN05 & AN07 & C.A: 6
NACE MR0175/ISO15156 Compliance	Yes (Except for AN04)
CODE & STANI	DARD
Design Code:	API 6D/ASME B16.34
Face to Face Dimensional:	ASME B16.10
Fire Testing:	API 6FA
Pressure Testing:	API 6D (Preferred)/API 598
DESIGN DA	ТА
Pressure Rating:	150#
Design Pressure:	18.2 BARG
Design Temperature:	85 °C
Body Construction:	Casting
Trim Construction:	Casting
End Connection:	FLGD (In acc. with ASME B16.5)
Finishing:	Note 10
MATERIA	
Body/Bonnet	ASTM A216 WCB
Ball	SS316
Stem:	SS316
Seat:	PTFE
Seal:	Elast-o-Lion (VTC)
Packing:	STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING
Gland:	VTA
Bolt & Nut:	ASTM A193 Gr.B7M/ASTM A194 Gr.2HM
Bonnet Gasket:	VTA

- 1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
- 2.Inner or 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 be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.
- 10. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.
- 11. The body split shall be outside the plane of the stem protrusion.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES تسهيلات · 24 - · 74 - 9 1 A F سته کاري صادر كننده نوع مدرک سريال نسخه پروژه BK **GCS PEDCO** 120 ы DT 0002 D02

شماره صفحه :05 از 23

TAG NO: MV-BAL-C01SF-HO

u	EIN	IER.	AL	UΑ	IA	

Type of Valve: Ball

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

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

NACE MR0175/ISO15156 Compliance No

CODE & STANDARD

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

Fire Testing: API 6FA

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

DESIGN DATA

Pressure Rating: 150#

Design Pressure: 13.9 BARG
Design Temperature: 85 °C

Body Construction: Casting
Trim Construction: Casting

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

Finishing:

MATERIAL

Body/Bonnet ASTM A351 CF3M

BallSS316Stem:SS316Seat:PTFE

Seal: Elast-o-Lion (VTC)

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

Gland: VTA

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

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









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES · 24 - · 74 - 9 1 A F سته کاري صادر كننده تسهيلات نوع مدرک سريال نسخه پروژه BK **GCS PEDCO** 120 ы DT 0002 D02

شماره صفحه :٥٥ از ٦٦

TAG NO: MV-BAL-C01ST-HO

G	V	Cr	\	۱L	ט	A	IA	

Type of Valve: Ball

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

Valve Size Range: 3 ~ 6 inch
Piping Class & C.A: AS00 & C.A: 0

NACE MR0175/ISO15156 Compliance No

CODE & STANDARD

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

Fire Testing: API 6FA

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

DESIGN DATA

Pressure Rating: 150#

Design Pressure: 13.9 BARG

Design Temperature: 85 °C

Body Construction: Casting
Trim Construction: Casting

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

Finishing:

MATERIAL

Body/Bonnet ASTM A351 CF3M

BallSS316Stem:SS316Seat:PTFE

Seal: Elast-o-Lion (VTC)

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

Gland: VTA

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

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









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

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

شماره صفحه :٥٦ از ٦٦

TAG NO: MV-BAL-C01-GO

GENERAL DATA

Type of Valve: Ball

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

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

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

NACE MR0175/ISO15156 Compliance Yes (Except for AN04)

CODE & STANDARD

Design Code:

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

ASME B16.10
Fire Testing:

API 6FA

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

DESIGN DATA

Pressure Rating: 150#

Design Pressure: 18.2 BARG

Design Temperature: 85 °C

Body Construction: Casting

Trim Construction: Casting

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

Finishing: Note 10

MATERIAL

ASTM A216 WCB

 Ball
 SS316

 Stem:
 SS316

 Seat:
 PTFE

 Seal:
 Elast-o-Lion (VTC)

 Packing:
 STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE + PACKING RING

 Gland:
 VTA

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

BOIL & NUL.

Bonnet Gasket: VTA

General Note:

Body/Bonnet

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





شماره صفحه :۵۷ از ۲٦





احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

DATA SHEETS FOR MANUAL VALVES

.04 - . 74 - 9114

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

TAG NO: MV-BAL-C01S-GO

GENERAL DATA

Type of Valve: Ball

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

8 ~ 10 inch → 2 Piecess Valve Size Range: 12 ~ 16 inch → 3 Piecess

AS00 & C.A: 0 Piping Class & C.A:

No NACE MR0175/ISO15156 Compliance **CODE & STANDARD**

Design Code: **API 6D/ASME B16.34**

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

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

DESIGN DATA

Pressure Rating: 150# 14 BARG Design Pressure: Design Temperature: 85 °C **Body Construction:** Casting Trim Construction: Casting

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

Finishing: NA

MATERIAL

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

Elast-o-Lion (VTC) Seal:

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





شماره صفحه :۸۸ از ۲٦





احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:		DATA SHEETS FOR MANUAL VALVES						
• 64 - • 44 - 9 1 1 4 •	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه
	BK	GCS	PEDCO	120	PI	DT	0002	D02

TAG NO: MV-BAL-C03F-HO

GENERAL DATA

Type of Valve: Ball

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

Valve Size Range: 2 inch

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

NACE MR0175/ISO15156 Compliance

CODE & STANDARD

Yes

Design Code: API 6D/ASME B16.34

Face to Face Dimensional: ASME B16.10

Fire Testing: API 6FA

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

DESIGN DATA

Pressure Rating: 300#
Design Pressure: 47.7 BARG

Design Temperature: 155 °C

Body Construction: Casting
Trim Construction: Casting

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

Finishing: Note 10

MATERIAL

Body/Bonnet ASTM A216 WCB

Ball SS316
Stem: SS316
Seat: PTFE

Seal: Elast-o-Lion (VTC)

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE

Gland: + PACKING RING

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

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 be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.
- 10. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.
- 11. The body split shall be outside the plane of the stem protrusion.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

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

شماره صفحه :٥٩ از ٦٦

TAG NO: MV-BAL-C03T-HO

GENERAL DATA

Type of Valve:

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

Valve Size Range: 3~6 inch

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

NACE MR0175/ISO15156 Compliance Yes

CODE & STANDARD

Design Code:

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

ASME B16.10
Fire Testing:

API 6FA

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

DESIGN DATA

Pressure Rating: 300#

Design Pressure: 47.7 BARG

Design Temperature: 155 °C

Body Construction: Casting

Trim Construction:

End Connection:

Casting

FLGD (In acc. with ASME B16.5)

Finishing: Note 10

MATERIAL

Body/Bonnet ASTM A216 WCB

 Ball
 \$\$S316

 Stem:
 \$\$S316

 Seat:
 PTFE

 Seal:
 Elast-o-Lion (VTC)

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE

Gland: + PACKING RING

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

Bonnet Gasket: VTA

- 1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
- 2.Inner or 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 be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.
- 10. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.
- 11. The body split shall be outside the plane of the stem protrusion.





شماره صفحه : ٦٠ از ٦٦





احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

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

TAG NO: MV-BAL-C03SF-HO

GENERAL DATA

Type of Valve: Ball

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

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

NACE MR0175/ISO15156 Compliance

CODE & STANDARD

Design Code: API 6D/ASME B16.34

Face to Face Dimensional:

ASME B16.10

Fire Testing:

API 6FA

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

DESIGN DATA

Pressure Rating: 300#

Design Pressure:

Design Temperature:

155 °C

Body Construction:

Casting

Trim Construction: Casting

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

Finishing: NA

MATERIAL

Body/Bonnet ASTM A351 CF3M

BallSS316Stem:SS316Seat:PTFE

Seal: Elast-o-Lion (VTC)

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE

Gland: + PACKING RING

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

Bonnet Gasket: VTA

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

 However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.
- 4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
- 5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
- 6. All valve data sheets shall be confirmed by vendor.
- 7.All valve shall have a fire-safe design.
- 8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
- 9. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.
- 10. The body split shall be outside the plane of the stem protrusion.





شماره صفحه: ٦٦ از ٦٦





احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان: .04 - . 14 - 9114

DATA SHEETS FOR MANUAL VALVES نوع مدر ک سته کاري صادر کننده تسهيلات ر شته سر يال نسخه پروژه BK **GCS PEDCO** 120 Ы DT 0002 D₀2

> TAG NO: MV-BAL-C03ST-HO **GENERAL DATA**

Type of Valve: Ball

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

Valve Size Range: 3~6 inch Piping Class & C.A: CS00 & C.A: 0

NACE MR0175/ISO15156 Compliance No

CODE & STANDARD

Design Code: API 6D/ASME B16.34

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

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

DESIGN DATA

Pressure Rating: 300#

30.3 BARG Design Pressure: 155 °C Design Temperature: **Body Construction:** Casting

Trim Construction: Casting

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

Finishing:

MATERIAL

Body/Bonnet ASTM A351 CF3M

SS316 Ball Stem: SS316 PTFE Seat:

Seal: Elast-o-Lion (VTC)

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE

+ PACKING RING Gland:

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









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

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

شماره صفحه : ۱۲ از ۲٦

	TAG NO: MV-BAL-C06-HO						
GENERAL DATA							
Type of Valve:	Ball						
Pattern:	Full Bore, Split Body, Trunnion Mounted, Wrench .OP, 3 Pieces						
Valve Size Range:	2 ~ 4 inch						
Piping Class & C.A:	FN05 & FN07 & C.A: 6						
NACE MR0175/ISO15156 Compliance	Yes						
	CODE & STANDARD						
Design Code:	API 6D/ASME B16.34						
Face to Face Dimensional:	ASME B16.10						
Fire Testing:	API 6FA						
Pressure Testing:	API 6D (Preferred)/API 598						
	DESIGN DATA						
Pressure Rating:	600#						
Design Pressure:	90 BARG						
Design Temperature:	## °C						
Body Construction:	Casting						
Trim Construction:	Casting						
End Connection:	FLGD (In acc. with ASME B16.5)						
Finishing:	Note 10						
	MATERIAL						
Body/Bonnet	ASTM A216 WCB						
Ball	SS316						
Stem:	SS316						
Seat:	PTFE						
Seal:	Elast-o-Lion (VTC)						
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.

- 4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
- 5. Vendor to confirm the suitability of material for specified pressure-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 be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.
- 10. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.
- 11. The body split shall be outside the plane of the stem protrusion.



احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک







DATA SHEETS FOR MANUAL VALVES

.04 - .14 - 114

شماره پیمان:

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

شماره صفحه : ٦٣ از ٦٦

TAG NO: MV-BAL-C06-GO

TAG NO. IVIV-DAL-V	
GENERAL DAT	ra —
Type of Valve:	Ball
Pattern:	Full Bore, Split Body, Trunnion Mounted, Gear .OP, 3 Pieces
Valve Size Range:	6 ~ 8 inch
Piping Class & C.A:	FN05 & FN07 & C.A: 6
NACE MR0175/ISO15156 Compliance	Yes
CODE & STANDA	ARD
Design Code:	API 6D/ASME B16.34
Face to Face Dimensional:	ASME B16.10
Fire Testing:	API 6FA
Pressure Testing:	API 6D (Preferred)/API 598
DESIGN DATA	A
Pressure Rating:	600#
Design Pressure:	90 BARG
Design Temperature:	### °C
Body Construction:	Casting
Trim Construction:	Casting
End Connection:	FLGD (In acc. with ASME B16.5)
Finishing:	Note 10
MATERIAL	
Body/Bonnet	ASTM A216 WCB
Ball	SS316
Stem:	SS316
Seat:	PTFE
Seal:	Elast-o-Lion (VTC)
Packing:	STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE
Gland:	+ PACKING RING
Bolt & Nut:	ASTM A193 Gr.B7M/ASTM A194 Gr.2HM
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 be fully painted at vendor shop as per BK-GNRAL-PEDCO-000-PI-SP-0006.
- 10. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.
- 11. The body split shall be outside the plane of the stem protrusion.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان: DATA SHEETS FOR MANUAL VALVES .04 - . 44 - 414 بسته کاري صادر كننده تسهيلات ، شته نوع مدرک سريال پروژه BK **GCS PEDCO** 120 PΙ DT 0002 D02

شماره صفحه : ۱۲ از ۲۲

TAG NO: MV-BAL-C06S-HO

GENERAL DATA

Type of Valve: Ball

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

Valve Size Range: 2 ~ 4 inch
Piping Class & C.A: FS00 & C.A: 0

NACE MR0175/ISO15156 Compliance No

CODE & STANDARD

Design Code:

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

ASME B16.10
API 6FA

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

DESIGN DATA

Pressure Rating:

Design Pressure:

Design Temperature:

Body Construction:

Trim Construction:

600#

62 BARG

°C

Casting

Casting

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

Finishing: NA

MATERIAL

ASTM A351 CF3M

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

Seal: Elast-o-Lion (VTC)

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE

Gland: + PACKING RING

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

Bonnet Gasket: VTA

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

 However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.
- 4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
- 5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
- 6. All valve data sheets shall be confirmed by vendor.
- 7.All valve shall have a fire-safe design.
- 8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
- 9. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.
- 12. The body split shall be outside the plane of the stem protrusion.







شماره صفحه :۱۵ از ۲۸

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

شماره پیمان:	DATA SHEETS FOR MANUAL VALVES							
• ۵۳ - • ۷۳ - ۹ ۱ ۸۴	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه
	BK	GCS	PEDCO	120	PI	DT	0002	D02

TAG NO: MV-BAL-C06S-GO

GENERAL DATA

Type of Valve: Ball

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

Valve Size Range: 6 ~ 8 inch
Piping Class & C.A: FS00 & C.A: 0

NACE MR0175/ISO15156 Compliance No

CODE & STANDARD

Design Code:

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

ASME B16.10

Fire Testing: API 6FA

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

DESIGN DATA

Pressure Rating: 600#

Design Pressure: 62.4 BARG
Design Temperature: 175 °C

Body Construction: Casting
Trim Construction: Casting

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

Finishing: NA

MATERIAL

Body/Bonnet ASTM A351 CF3M

BallSS316Stem:SS316Seat:PTFE

Seal: Elast-o-Lion (VTC)

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE

Gland: + PACKING RING

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

Bonnet Gasket: VTA

- 1. Vendor shall confirm the selected material, and suggestions for other good materials are appreciated.
- 2.Inner or outer leakage is not acceptable.
- 3. There shall be provision / arrangement to lock the valve in fully open as well as fully closed positions.
- However actual locks shall be supplied as per the various valves MTO summaries attached along with the MR.

 4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
- 5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
- 6. All valve data sheets shall be confirmed by vendor.
- 7.All valve shall have a fire-safe design.
- 8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
- 9. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.
- 12. The body split shall be outside the plane of the stem protrusion.









احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

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

شماره صفحه :۲٦ از ۲٦

TAG NO: MV-BUT-C01-HO

GENERAL DATA

Type of Valve: Butterfly

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

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

NACE MR0175/ISO15156 Compliance

CODE & STANDARD

No

Design Code:

Face to Face Dimensional:

API 609/CAT A

API 609

API 6FA

Pressure Testing: API 598

DESIGN DATA

Pressure Rating: 150#

Design Pressure: 18.2 BARG

Design Temperature: 85 °C

Body Construction: Casting

Trim Construction: Casting

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

Finishing: NA

MATERIAL

 Body/Cover
 A 216 WCB

 Trim
 13Cr

 shaft
 13 Cr

 Disc Seat:
 13 Cr

 Body Seat:
 PTFE

Packing: STAINLESS STEEL WIRE AND FLEXIBLE GRAPHITE

Gland: + PACKING RING

Bolt & Nut: VTA
Bonnet Gasket: VTA

General Note:

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

- 4. Vendor shall submit cross-sectional drawing and catalogue showing the material of construction for each component of the valve.
- 5. Vendor to confirm the suitability of material for specified pressure-temperature rating / design parameters specified.
- 6. All valve data sheets shall be confirmed by vendor.
- 7.All valve shall have a fire-safe design.
- 8. There are "locked opened/closeed" positions in some valves. Vendor shall be considered this item regards to "MR for Manual Valve"
- 9. Valves with weight of 500 KG and more shall be equipped with Lifting Lugs.