TOTAL	DATA SHEET	PVV-DTS-002
	PROJECT	ANNULUS BLEEDING SYSTEM FOR NEW WELLS IN IBEWA
	GS EP PVV 142 Rev. 00 – 01/2011	Data Sheet For 3/4" Double Block & Bleed Valve

Exploration and Production

Rev.	Status	Rev. Date	Written	Verified	Approved
3.0	IFT	11-Apr-2013	COG	EOK	MAK

COMMODITY CODE **Option Code Ends Connection**	

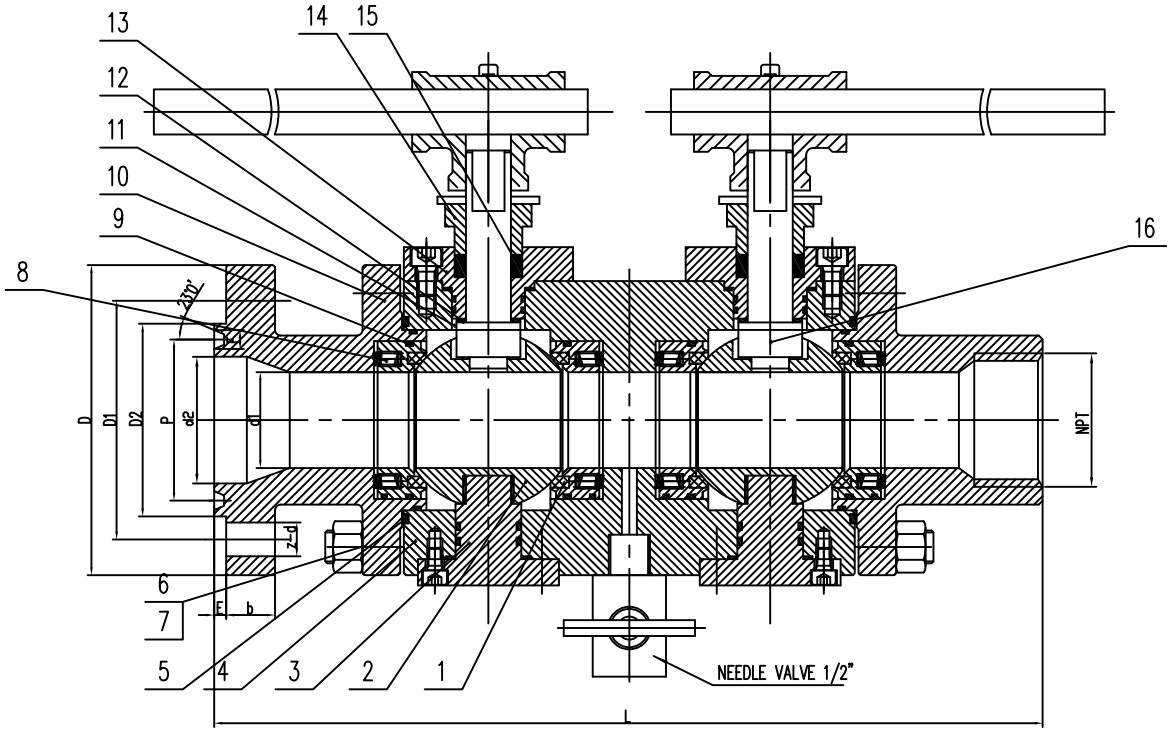
Valve Type	Manual	**Valve tag number**	BA012	
Service Class(GS EP PVV 142)	☐ A ☑ B ☐ C ☐ D ☐ E	**Total Piping Class / Piping class rating**	J03	
Pressure class (ASME B16.34/API 6A)	2500 Lbs	**Corrosion allowance – mm**	3 mm	
Nominal size	3/4"	**Class pressure / temperature**	365 bar - 425.5 bar	
Bore – mm	11 mm		-29°C - 200°C	
Internal bore	FB (Manufacturer Std)	**Min/Max design pressure – bar**		318
Aboveground / Underground	Aboveground	**Min/Max design temp. °C**		NA
Insulation	None	**Min/Max operating temp. °C**		NA
Quantity	6	**Min depressurisation temp. °C**		

Design		**Main Fluids**		
Construction standard	ASME 16.34 or ISO10423	**Solid particles in fluid** (note 6 of table 7.6b, section 7.6 of GS EP PVV 142)	Vent Gas	
Construction type	Side entry	**H_2S/CO_2 max content (%)**	None	
Fire safe	Yes	**Methanol max content**	None	None
Floating or Trunnion mounted	Trunnion mounted	**Chemical treatment of line**		
Extended stem	None	**Metallic materials**		
Operation (gear/wrench)	Wrench	**Body**	A105	
End connections:		**Ball**	A182-F316	
• **Flanges**	2500# RJ / 1/2" NPT-F (Note 6)	**Stem**	A182-F316	
• **Pup piece**	-	**Seat spring/Seat washer**	Inconel X750	
• **Transition piece**	-	**Seat holder**	A182-F316	
• **Hub connectors**	-	**Bolting** (section 8.6.3 of GS EP PVV 142)	ASTM A193 Gr. B7 and ASTM A194 Gr. 2H	
End to end dimensions	Manufacturer standard	**Weld overlay**	In accordance with GS EP PVV 142	
Flanges facing finish or grooves facing finish	Groove facing finish	**Internal seals materials** (as per table 7.6.b of GS EP PVV 142)		
By pass	None	**Seat Inserts (note 1)**	PTFE	
Stem position (Vertical/Horizontal)	Horizontal	**Dynamic seat seals**	Viton	
Flow axes (Vertical/Horizontal)	Vertical	**Dynamic stem seals**	Viton	
Drains, vents (table 7.5 of GS EP PVV 142)	Yes	**Static seals**	Viton	
Sealant injection on seats (table 7.5 of GS EP PVV 142)	Yes	**Fire safe graphite back-up seals**	Required	
Sealant injection on stem (table 7.5 of GS EP PVV 142)	Yes	**Delivery requirements**		
Lifting Lugs	None	**Non destructive tests**	In accordance with GS EP PVV 142	
Valve Support	None	**Pressure test certificates**	In accordance with section 13.3 of GS EP PVV 142	
Lock Open/ Lock Close	NA	**Material certificates**	In accordance with section 13.2 of GS EP PVV 142	
		Fire safe certificate	In accordance with GS EP PVV 142	
P.E.D		**Marking**	In accordance with section 14.1 of GS EP PVV 142	
FLUID: Liquid ☐ Gas ☑		**Calculation note of body thickness** (section 8.1 of GS EP PVV 142)	In accordance with appendix 6 of GS EP PVV 142	
Dangerous ☐ Not Dangerous ☐				
Category		**Bolting calculation note** (section 8.7.1 of GS EP PVV 142)	In accordance with section 8.7.1 of GS EP PVV 142	
Module		**External coating**	In accordance with GS EP COR 350 and GS EP PVV 142	
		Colour code	In accordance with section 14.1.3 of GS EP PVV 142	

Notes:

1. Elastomeric material is prohibited
2. All elastomeric O'rings must be anti-explosive decompression (AED) type.
3. Vendor must send the drawing to the Company before fabrication.
4. 3 COPIES of the "Test & inspection Certificate" to be included.
5. Orders of precedence are: (a) GS EP PVV 142, (b) GS EP PVV 112 and (c) This data sheet in case of discrepancies.
6. One end 3/4" 2500# RJ flange other end 1/2" NPT-F.

ITEM	SIZE	d1	d2	L	D	D1	D2	P	b	E	F	z-d	NPT
14	3/4"	13	18	342	140	95	73	50.8	32	6.35	8.74	4-22	1/2"



Technical Specification

1. Design and manufacture: ASME 16.34
2. Face–to–face: ASME B16.10
3. Flanged ends: ASME B16.5
4. Screw ends conform to ANSI B1.20.1
5. Inspection and test: API 598

NO	PART NAME	MATERIAL
16	STEM	F316
15	PACKING	GRAPHITE
14	GLAND	A105
13	COVER	A105
12	THRUST WASHER	PTFE
11	SLIDING BEARING	SS+PTFE
10	BONNET	A105
9	"O"RING	VITON
8	SPRING	NCONEL X750
7	NUT	2H
6	STUD	B7
5	BODY GASKET	GRAPHITE+304
4	BODY	A105
3	TRUNNION	A105+ENP
2	BALL	F316
1	SEAT	PEEK

CLASS	PRESSURE TEST (MPa)		
	SHELL TEST	SEAT TEST	AIR TEST
2500LB	63.0	46.2	0.6

APPLICABLE TEMPERATURE	-29~200℃
APPLICABLE MEDIA	W.O.G
DBB BALL VALVE RFXFNPT	
MANUFACTURER	WENZHOU RESTA VALVE CO., LTD.