

	<b>HOJA DE DATOS</b>		No.: <b>IPE-10-1298-F-HD-012</b>
	CLIENTE:	<b>YPFB TRANSPORTE S.A.</b>	Hoja: <b>1 de 3</b>
	PROYECTO: <b>INGENIERIA BASICA ESTACION DE COMPRESION CAMPO GRANDE - GIJA Fase 2</b>		
	TITULO: <b>VALVULAS ESDV / EBDV</b>		

**INDICE DE REVISIONES**

Fecha	Revisión	Observaciones
05-sep-11	A	Para Aprobación del Cliente
19-oct-11	B	Para Aprobación del Cliente
08-nov-11	C	Para Aprobación del Cliente
02-dic-11	0	Aprobado para Construcción


Ramiro Alvarez IE	Ronny Estremadoiro GEP	Jaime La Fuente YPFB TRANSPORTE S.A.
<b>ELABORADO POR</b>	<b>REVISADO POR</b>	<b>APROBADO POR</b>
<small>ESTE DOCUMENTO ES PROPIEDAD DE IPE BOLIVIA S.R.L. Y NO PODRA SER REPRODUCIDO O UTILIZADO PARA CUALQUIER FINALIDAD DIFERENTE DE AQUELLA PARA LA QUE HA SIDO SUMINISTRADO. FORMATO NORMALIZADO POR EL PROCEDIMIENTO IPE - MP-7.0-GO-11</small>		



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		<b>Proyecto:</b> INGENIERIA BASICA ESTACION DE COMPRESION CAMPO GRANDE - GIIA Fase 2			<b>Pagina:</b> 2 de 3
		<b>No. De Proyecto:</b> IPE-10-1298			<b>Archivo:</b> IPE-10-1298-F-HD-012=0.xls
<b>GENERAL</b>	1	Quantity	<b>8 units</b>		
	2	Tag Number	ESDV-6010 / 6012 / 6020 / 6022 / 6030 / 6032 / 6040 / 6042		
	3	Service	Succión / Descarga Unidades Turbocompresoras de Gas		
	4	Fluid	Natural Gas		
<b>VALVE</b>	5	Type of Valve	BALL		
	6	Manufacturer	By Vendor		
	7	Model No.	By Vendor		
	8	Line Size/Sched.No.	24"		
	9	Type of Body	Trunnion Mounted		
	10	Body Size / Port Size	24" / 24"		
	11	End Conn / Rating	RF / 600#		
	12	Body Material	CS A 105N		
	13	Trim / Ball (Plug)Mat'l	3 mil ENP Carbon steel		
	14	Seat Material	Nylon or Reinforced Teflon		
	15	Seal Material	Buna-N or Viton		
	16	Running Torque	By Vendor		
	17	Breaking Torque	By Vendor		
	18	Required Seat Tightness	API 6D FIRESAFE		
	19	Stem Pos. / Pipe Run	VERT / HORIZ		
	20	Requirements	Double block and bleed		
<b>ACTUATOR</b>	21	Manufacturer	See Notes		
	22	Model No.	By Vendor		
	23	Type	SPRING RETURN		
	24	Spring To	CLOSE		
	25	Max. Shutoff Press.	PSIG		
	26	Operating Speed	Speed Controls		
	27	Mech. Position Indicator	YES		
	28	Travel Stops	YES		
	29	Manual Operation	YES / Trigger		
	30	Freq. of Operation	INFREQUENT		
	31	Operator Mtd By	By Vendor		
	32	Operator Mtg. Pos.	PARALLEL TO VALVE		
	33	Supply Air or Gas	GAS		
	34	Supply Pressure	80 - 150 PSIG MAX		
	35	Filter Mfg/Model	By Vendor		
	36	Regulator M Model	By Vendor		
<b>LIMIT SWITCHES</b>	37	Electrical Class	CLASS 1 ZONE 2		
	38	Open Limit Switch	YES, Magnetic Type		
	39	Closed Limit Switch	YES, Magnetic Type		
	40	Conduit Entries	1/2" - 2		
	41	Manufacturer	By Vendor		
	42	Model No.	By Vendor		
<b>PILOT DEVICES</b>	43	Local Control Type			
	44	Remote Control Type			
	45	Type Pilot	3 WAY ELEC/PNEUM		
	46	Pilot Mfg Model	By Vendor		
	47	Pilot Action	BLOCK AND BLEED		
	48	Speed Controls	YES, CLOSE/OPEN		
	49	Voltage	24 VDC, LOW PWR		
		Other			

Notes:

1. A 316 sst tag inscribed with tag number and service shall be securely attached to each item.
2. All tubing and fittings shall be 316 SST. Vendor shall determine the best suitable tubing size based on speed requirements.
3. The actuator package vendor shall verify the sizing of the actuator based on service conditions listed and depending on the valve furnished.
4. All actuators shall be furnished with closed loop system using all sst materials.
5. Valve to be Trunnion mounted ball with Firesafe design.
6. Actuator sizing safety factor shall be 1.5 minimum.
7. The actuator must be fitted with all the necessary instruments and accessories for local and remote operation.
8. Manual operation in case of system failure electropneumatic, must be recommended by the manufacturer.
9. Vendors: Leeden, Flowquip, Bettis, Rotork, Flowserve
10. Positioner Recommended: Brand Westlock

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<b>GENERAL</b>	1	Quantity	<b>2 units</b>		
	2	Tag Number	EBDV-6006 / 6002		
	3	Service	Venteo Succión y Descarga Estación		
	4	Fluid	Natural Gas		
<b>VALVE</b>	5	Manufacturer	By Vendor		
	6	Model No.	By Vendor		
	7	Line Size/Sched.No.	16"		
	8	Type of Valve	PLUG		
	9	Body Size / Port Size	16" / 16"		
	10	End Conn / Rating	RF / 600#		
	11	Body Material	CS A 105N		
	12	Trim / Ball Mat'l	By Vendor		
	13	Running Torque	By Vendor		
	14	Breaking Torque	By Vendor		
	15	Required Seat Tightness	API 6D FIRESAFE		
	16	Stem Pos. / Pipe Run	VERT / HORIZ		
	17	Requirements	Double block and bleed		
<b>ACTUATOR</b>	18	Manufacturer	See Notes		
	19	Model No.	By Vendor		
	20	Type	SPRING RETURN		
	21	Spring To	OPEN		
	22	Max. Shutoff Press.	1440 PSIG		
	23	Operating Speed	Speed Controls		
	24	Mech. Position Indicator	YES		
	25	Travel Stops	YES		
	26	Manual Operation	YES		
	27	Freq. of Operation	INFREQUENT		
	28	Operator Mtd By	By Vendor		
	29	Operator Mtg. Pos.	PARALLEL TO VALVE		
	30	Supply Air or Gas	GAS		
	31	Supply Pressure	80 - 150 PSIG MAX		
	32	Filter Mfg/Model	By Vendor		
	33	Regulator M Model	By Vendor		
34	Lubricator M Model				
<b>LIMIT SWITCHES</b>	35	Electrical Class	CLASS 1 DIV 2		
	36	Open Limit Switch	YES / Magnetic		
	37	Closed Limit Switch	YES / Magnetic		
	38	Conduit Entries	1/2" - 2		
	39	Manufacturer	By Vendor		
	40	Model No.	By Vendor		
<b>PILOT DEVICES</b>	41	Local Control Type			
	42	Remote Control Type			
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	45	Pilot Action	BLOCK AND BLEED		
	46	Speed Controls	YES, CLOSE/OPEN		
	47	Voltage / Hz	24 VDC, LOW PWR		
		Other			
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