

Control Valve Data Sheet							
1	Quote #				Company		
2	Item #				Contact		
3	Project				Telephone#		
4	Reference				Email		
5	Application	<input type="checkbox"/> On/Off	<input type="checkbox"/> Pressure Control	<input type="checkbox"/> Flow Control	<input type="checkbox"/> Power Plant		
6	Other:						

Service Conditions						
Flow Data	Case 1	Case 2	Case 3	Case 4	Full Open ΔP	Full Open Q
7	Q (MMscfd)					
8	P1 (psig)					
9	P2 (psig)					
10	□P (psig)					
11	T (°F)					
12	SG					
13	Upstream Pipe Schedule:			Upstream Pipe Diameter:		
14	Downstream Pipe Schedule:			Downstream Pipe Diameter:		
15	Maximum allowable noise level:      dBA @ 3 feet (1 meter) downstream of the valve and away from the pipe.					

Valve Data						
16	Quantity:	<b>Valve Type:</b>	<input type="checkbox"/> Ball	<input type="checkbox"/> Globe	Other:	Rating:      ANSI
17	Size:      in.	End Connection:		WE wall thickness:      in.		
18	Model:	Face-to-Face:      in.	<b>Valve Orientation:</b>		<input type="checkbox"/> Vertical	<input type="checkbox"/> Horizontal
19	<b>Stem Orientation:</b>	<input type="checkbox"/> Vertical	Trim:		<input type="checkbox"/> New	<input type="checkbox"/> Existing Valve
		<input type="checkbox"/> Horizontal			<input type="checkbox"/>	

Actuator Data						
20	Quantity:	Model:		Double Acting Spring Return		
21	<input type="checkbox"/> Above Grade	Buried Depth*:		ft. (.5 ft increments only)		
	<input type="checkbox"/> Below Grade					
22	<b>Valve Fail Position</b>	Loss of Power Gas Supply:		<input type="checkbox"/> Close	<input type="checkbox"/> Open	<input type="checkbox"/> Last
		Loss of Instrument Signal:		<input type="checkbox"/> Close	<input type="checkbox"/> Open	<input type="checkbox"/> Last
23	Max. Shutoff □P:      (psig) **	P Supply (min):      (psig) of:		<input type="checkbox"/> Gas	<input type="checkbox"/> Air	
24	<b>Orientation:</b>	<input type="checkbox"/> Vertical	<b>Mounting (see sketch):</b>		<input type="checkbox"/> Left	
		<input type="checkbox"/> Horizontal			<input type="checkbox"/> Right	
* Defined from center line of pipe to grade			**Should match the maximum inlet pressure			
25	<b>Actuator Mount:</b>		<input type="checkbox"/> Left Hand Mount Clean Sweep (Standard) <input type="checkbox"/> Right Hand Mount <input type="checkbox"/> Right Hand mount Clean Sweep			

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<b>Instrumentation</b>			
<b>VPC Series Pilot Controller</b>			
26	Model:	Setpoint:    psig	
27	Spring Range:	Spring Color:	Spring Part No.:
<b>VGP Series Positioner</b>			
28	Model:	<b>Input Signal:</b>	<input type="checkbox"/> 3-15 psig <input type="checkbox"/> 6-30 psig <input type="checkbox"/> Other (Specify):    -    psig
29	Action:	<b>On Increasing Input Signal, Valve Will...</b>	<input type="checkbox"/> Open (Fail CLOSE on Loss of Signal) <input type="checkbox"/> Close (Fail OPEN on Loss of Signal)
<b>DE3 Series Positioner</b>			
30	Model:	<b>Input Signal:</b>	<input type="checkbox"/> 4-20 mA
31	Action:	<b>On Increasing Input Signal, Valve Will...</b>	<input type="checkbox"/> Open <input type="checkbox"/> Close
32	<b>On Loss of Signal (4-20 mA)...</b>	<input type="checkbox"/> Fail CLOSE <input type="checkbox"/> Fail OPEN <input type="checkbox"/> LOCK LAST	
<b>Red Circle Valve</b>			
33	<b>Command Signal:</b>	<input type="checkbox"/> 4-20 ma	<input type="checkbox"/> 24v DC Discreet Pulse
34	<b>Feedback Signal:</b>	<input type="checkbox"/> Internal	<input type="checkbox"/> External Loop Power
35	<b>Solenoid Valve:</b>	<input type="checkbox"/> Double Acting 20 psig -150 psig	<input type="checkbox"/> Single Acting High Pressure 41 psig - 250 psig <input type="checkbox"/> Single Acting Low Pressure 20 psig – 40 psig
36	<b>Failure Mode:</b>	<input type="checkbox"/> Fail OPEN	<input type="checkbox"/> Fail Close <input type="checkbox"/> LOCK LAST
37	<b>Feedback Transmitter:</b>	<input type="checkbox"/> Linear Model	<input type="checkbox"/> Rotary Model

<b>Accessories</b>							
Description:	Qty	Model:	Notes:				
38		VMO Valve Manual Override					
39		NVD No-Vent Device					
40		SGS Supply Gas System					
41		BP Bleed Pressure Sensor					
42		Volume Boosters					
43		ESC Remote Setpoint Mod.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"><b>Input Signal:</b></td> <td style="width: 20%;"></td> <td style="width: 20%;"><b>Hi &amp; Low Setpoints</b></td> <td style="width: 40%;">Hi:    psig Low:   psig</td> </tr> </table>	<b>Input Signal:</b>		<b>Hi &amp; Low Setpoints</b>	Hi:    psig Low:   psig
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44		LV Lock Valve					
45		CP Setpoint Pump					
46		Limit Switches	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"><b>Switch type:</b></td> <td style="width: 20%;"></td> <td style="width: 20%;"><b>Switch Qty:</b></td> <td style="width: 40%;"></td> </tr> </table>	<b>Switch type:</b>		<b>Switch Qty:</b>	
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47		Position Transmitter	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"><b>Input:</b></td> <td style="width: 20%;"></td> <td style="width: 20%;"><b>Output:</b></td> <td style="width: 40%;"></td> </tr> </table>	<b>Input:</b>		<b>Output:</b>	
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