

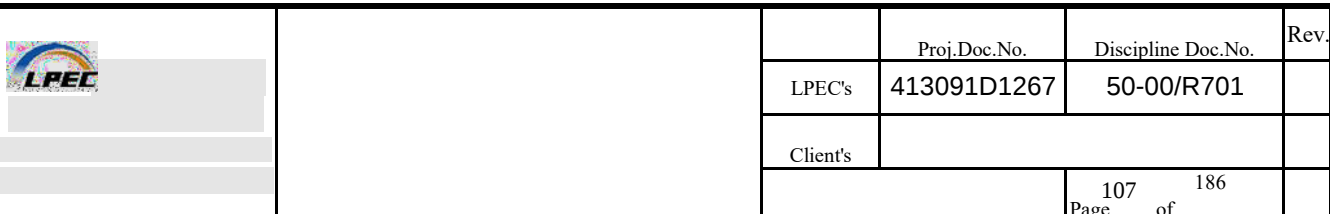


Client's

106

Std.Density kg/m³

	1	Tag Number		Quantity		PID		41-PV-705		1	41-T4031-022	
	2	Line No.		Class		41-24"-PL-16002		A53F				
	3	Pipe Size mm		Pipe Mat'l		600		ASTM A106 Gr.B				
	4	Fluid		Phase		HC C8						
	5	3.24	Liquid kg/h Gas Nm ³ /h MPa	MaxFlow								
				NorFlow								
				MinFlow								
	6	175										
	7	720		Max DP for Shut-off MPa(G)								
	8	0.25		Oper. Temp.		mPa.s		Molecular WT				
	9			Oper.Density								
	10			Oper.Viscosity		Visc Unit						
	11			CP/CV		Com. Factor						
	12			Vapor PressMpa(a)		Critical Press.Mpa(a)		0.24		3.58		
	13			Solid Mass Cont		Mass Vap						
		14	Body Type				Single Seat Globe					
15		Body Size mm		Trim Size mm		500						
16		Character		Proc.Conn				ASME Class 300 RF 20"				
17		Body/Bonnet Mat'l				A216GR.WCB						
18		Trim Mat'l		Seat Mat'l		316SS+ST		316SS+ST				
19		Packing Mat'l		Gasket Material		PTFE						
20		Cv	Sizing Cv	Max.	Nor.	Min.	1611.91812	845.69/1365.36/1075.0 8/1267.16	570.678535			
21		Cv	Selected Cv			3040						
22		Valve Opening		Max.	Nor.	Min.	51.40	25.33/43.01/33.14/39.67	15.97			
23		Actuator Type		Spring Range MPa								
24		Bonnet Type										
25		Failure Action to Open/Colse				F.L						
26		Val. Posn. when Sol. Val. De-energized										
27		DBA		Leakage Class		≤ 85dBA		ANSI Class IV				
28		Action										
		29	Name									
	30					4~20mA+HART						
						ExiaI ICT4		IP65				
						400						
						1/4"NPT(F)		1/2"NPT(F)				
		Explosion Proof										
	40											
	41	Manufacturer										
	42	Model										
	43											
Note: Balanced/Unbalanced:Balanced Stem Material:13CR												



1. The control valve shall be sized and tagged as ISA 753.01 with the Manufacturer standard notation. The information required shall be provided with valve specification. 2. The control valve packing glands shall be of the boxed type. 3. Miscellaneous accessories such as booster relay, quick exhaust valves, lock-up valves, accumulators (air volume to be considered to maintain proper operation during Detailed Engineering Stage). 4. Travel limit stops etc shall be provided. 5. valve from 0% to 100% = 15 seconds. 6. SCS/PLC or DCS, to the valve actuator; another signal to the SCS/PLC will also be provided to monitor the valve position. 7. SCS/PLC or DCS, pilots the valve. SCS in normal operation or DCS during start up. 8. % maximum - Linear characteristic required. Double acting actuator recommended. 9. (C/W opening) to be submitted to AXENS for approval. 10. Fisher/LOC Positioners and/or Amplifiers. 11. For 100% A2U/Donjon, Pressure shall be controlled by DFC. 12. a selection DEC need to be rechecked during Detailed Engineering. 13. based on Fisher. 14. For additional requirements.	1. The control valve shall be sized and tagged as ISA 753.01 with the Manufacturer standard notation. The information required shall be provided with valve specification. 2. The control valve packing glands shall be of the boxed type. 3. Miscellaneous accessories such as booster relay, quick exhaust valves, lock-up valves, accumulators (air volume to be considered to maintain proper operation during Detailed Engineering Stage). 4. Travel limit stops etc shall be provided. 5. valve from 0% to 100% = 15 seconds. 6. SCS/PLC or DCS, to the valve actuator; another signal to the SCS/PLC will also be provided to monitor the valve position. 7. SCS/PLC or DCS, pilots the valve. SCS in normal operation or DCS during start up. 8. % maximum - Linear characteristic required. Double acting actuator recommended. 9. (C/W opening) to be submitted to AXENS for approval. 10. Fisher/LOC Positioners and/or Amplifiers. 11. For 100% A2U/Donjon, Pressure shall be controlled by DFC. 12. a selection DEC need to be rechecked during Detailed Engineering. 13. based on Fisher. 14. For additional requirements.
--	--

		INSTRUMENT SPECIFICATION		TATA ENGINEERING CORP.		
PLANT AND BUILDING WORK		D.D.	12/28/2006	FINAL (as FEED) Package		Control Valve 3.100000
Sheet 19 of 2		D.O.	12/15/2006	Preliminary		100 TONNERS WITH FOUNDATION
Rev. 1 of Revisions		Code 1700-70	Dwg. No.	DATE ISSUED FOR U.S. BY DATE	SIGNED BY	CHECKED BY DATE

