



General	Tag Number	Quantity	41-PV-708	1	1
	Line No.	Class	41-16"-PL-07430		
	Pipe Size mm	Pipe Mat'l	400		ASTM A106 Gr.B
	Fluid	Phase			
Process Condition	Flow Rate	Liquid kg/h	MaxFlow	1009760	
		Gas Nm ³ /h	NorFlow	934960	
		STM kg/h	MinFlow	467480	
		Inlet Pressure MPa(G)	Outlet Pressure MPa(G)	0.78/0.8/0.78	0.68/0.63/0.43
		Max DP for Shut-off	MPa(G)	1.89	
		Oper. Temp.	Molecular WT	175	
		Oper.Density		731.5	
				0.2	
		Vapor PressMpa(a)		0.14	3.1
				400	
Control Valve				316SS	316SS
	Cv				
				85dBA	
Transducer/Positioner	Name				
	Input Singal	Output Singal			
	Explosion Proof	Enclosure Protection			
	Air Supply(kPa)	Power Supply	400		
Accessories	Pneu.Conn.	Eelec.Conn.			
	Filter-Regulator W/gauge				
	Solenoid Valve	Power Supply			
	Position Switch	Hand Wheel			
	Manufacturer				
	Model				

Note:

**CONTROL VALVE
INSTRUMENT SPECIFICATION**

LPEC's

Client's

Proj.Doc.No.
413091D1267

Discipline Doc.No.
50-00/R701

Rev.



LUOYANG PETROCHEMICAL
ENGINEERING CORP./SINOPEC

CONTROL VALVE
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- 1.Accuracy of the flow control loop = 1.0% maximum - linear characteristic required.
2. Maximum time to open and close the valve from 0% to 100% =15 seconds.
3. Intelligent valve controller with embedded lifecycle diagnostics include static and dynamic deviation trend, actuators load trends, valve diamond, real predictive maintenance based lifecycle diagnostic shall be foreseen.
4. Field Device Management software (FDT/DTM technology base) with condition monitoring shall be foreseen
5. Valve datasheet and characteristic curve (cv/opening) to be submitted to AXENS for approval.