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			
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		
Oper.Viscidity		Visc Unit	0.2		
CP/CV		Com. Factor			
Vapor PressMpa(a)		Critical Press.Mpa(a)	0.14		3.1
Solid Mass Cont		Mass Vap			
Body Type					
Body Size mm		Trim Size mm	400		
Character		Proc.Conn			
Body/Bonnet Mat'l					
Trim Mat'l		Seat Mat'l	316SS		316SS
Packing Mat'l		Gasket Material			
Cv Sizing Cv	Max.	Nor.	Min.		
Cv Selected Cv					
Valve Opening	Max.	Nor.	Min.		
Actuator Type		Spring Range MPa			
Bonnet Type					
Failure Action to Open/Colse					
Val. Posn. when Sol. Val. De-energized					
DBA		Leakage Class	85dBA		

Name			
Input Singal		Output Singal	
Explosion Proof		Enclosure Protection	
Air Supply(kPa)	Power Supply	400	
Pneu.Conn.		Eelec.Conn.	

Filter-Regulator W/gauge			
Solenoid Valve	Power Supply		
Position Switch		Hand Wheel	

Manufacturer	
Model	

Note:

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.