

General

1
2

Tag Number

INSTUMENT SPECIFICATION
(CONTROL VALVE)

P&ID

P&ID No.

41-FV-463

PROJ NO. G181S REV. 0
DOC.NO. G181S-2023021-K-03

SHEET SHEET 5 OF 6
G181S-2023021-Y-02 REV

INSTUMENT SPECIFICATION
(CONTROL VALVE)

SHEET SHEET 6 OF 6

REV

General	1	Tag Number	P&ID	P&ID No.	43-FV-463	G181S-2023021-Y-02	
	2	Service		Line Number	43	LPG	43-4"-LPG-00001-A53F
	3	/ Pipe Size&sch.		Pipe Mat'l	4"	A106 Gr .B	
	4	Fluid		State	LPG		
	5	Flow Rate			Max.Flow	Nor.Flow	Min.Flow
Service Condition	6	kg/h (Liquid, Steam)	nm3/h[Gas()]		12000kg/h	8000kg/h	
	7	Inlet Press. MPa(G)				0.93	
	8	Outlet Press. MPa(G)				0.4	
	9	Design Press. MPa(G)		Des.Shut-Off DP.MPa(G)			
	10	Operating Temperature(Ñ)		Design Temperature(Ñ)	44		
	11	Oper. Density kg/m3		Std. Density kg/Nm3	519		
	12	Kin Visc(mm2/S)		Dyn Visc(mPa.s)			0.107
	13	Allowable dBA				Ô85dB	
	14	Specific Heat Ratio Cp/Cv		Comp. Factor			
	15	Vapor Press.		Critical Press.			
	16	% %Solid Mass Cont		% %Mass Vap			
	17	Valve Type				GLOBE	
	18	Valve Model		Plug Form			
	19	Leakage Class		Cv Rated Cv	Class		
	20	Cv Required Cv	Max.Flow	Nor.Flow	Min.Flow	MFR	MFR
Control Valve	21	Valve Opening	Max.Flow	Nor.Flow	Min.Flow	MFR	
	22	Predicated Sound Level dBA	Max.Flow	Nor.Flow	Min.Flow		
	23	Body Size		Trim Size (mm)	3ó		MFR
	24	Pressure Rating		Available Temp.(Ñ)	ANSI 150LB		
	25	End Conn. Type & Standard			ANSI 150LB 3" RF		
	26	Bonnet Type		Flow to Open/Close			
	27	Body/Bonnet Mat'l		Stem Mat'l	WCB		S30408
	28	Trim Mat'l		Seat Mat'l	S31608		S30408
	29	Packing Mat'l		Trim Type			
	30	Type		Model			
Actuator	31	Action					
	32	Failure Open/Close		Bench Range	FC		
	33	Max. Shut-Off Diff. Press.(MPa)		Travel (mm)			
	34	Air Supply(kPa)		Handwheel Type	400 kPa		
Transducer/Positioner	35	Name		Model	/		
	36	Action		Convert Function			
	37	Input Signal		Output Signal	FF		
	38	Explosion Proof		Enclosure Protection	Exia CT4		IP65
	39	Elec.Conn.		Surge Protection Device	1/2"NPT		
Accessories	40	Filter Regulator Model R		V	i		

B75 «5Y 6 00-12-9966 72-00 9 11(7) ET Q R 8971. 154(5.08) n34165(1