

Technical Specification

Service Conditions	1.	Tag No. : LEVCV-07 to LEVCV-12				Qty. <u>1</u>		Fluid : Sulphuric Acid				
	2.	Flow Rate				Max. Flow		Nor. Flow		Min. Flow		Shut-off
						1		0.625		0.5		
	3.	Inlet Press.		Design δP		3.3 1		3.3 1		3.3 1		5
	4.	Inlet Temp.		Design Temp.		35 35		35 35		35 35		
	5.	Sp. Wt./Sp. Gr/ Mol. Wt./Density				1840						
	6.	Dynamic viscosity (cP)				18						
	7.	Vapor pressure Pv (Abs.)				-						
	8.	Flush %		Comp. Factor (Z)		-				-		
	9.	Calculated Cv				*		*		*		
	10.	Travel %				*		*		*		
	11.	Predicted SPL at 1m distance in dBA				*		*		*		
12.	Inlet velocity				*		*		*			
Line	13.	Line No.				-						
	14.	Line Size	Std.	Sch.	DN 25	SS 316L	40S					
	15.	Inlet line : I.D.		O.D.	33.4		3.38					
	16.	Outlet line : I.D.			33.4		3.38					
Valve Body/ Bonnet	17.	Type				GLOBE						
	18.	Body size	Port size		*		*					
	19.	Body rating				150#						
	20.	Make	Model no.		*		*					
	21.	Body Material				ASTM A 351 Gr CF3M						
	22.	End Connection				ASTM A 182 F316L						
	23.	Flange Rating				150#						
	24.	Flange Facing & Finish				RF, Serrated						
	25.	Flow direction				To be marked on body						
	26.	Type of bonnet				Standard						
Trim	27.	Packing material				Teflon						
	28.	Type of packing				Single, V-ring						
	29.	Lubricator	Iso. Valve		-		-					
	30.	Type				Cage-guided (single seated)						
	31.	Trim Material				SS 316 L, stellited						
	32.	Characteristic				EQUAL %						
	33.	Rated Cv	F_L	X_T	*		*		-			
	34.	Plug/Ball/Disk Material				SS 316L, stellited						
	35.	Seat Material				SS 316L, stellited						
	36.	Cage/Guide Material				17-4 PH						
Actuator	37.	Type				Spring & Diaphragm						
	38.	Make & Model no.				*		*				
	39.	On-off/ Modulating				Modulating						
	40.	Power failure				Open <input type="checkbox"/> Close <input type="checkbox"/> Stayput <input checked="" type="checkbox"/>						
	41.	Max. Allowable press.				-						
	42.	Min. reqd. press.				-						
	43.	Full Close at		Full Open at		0.2kg/cm ²		3.3kg/cm ²				
	44.	Hand-wheel	Location		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Side					
Positioner	45.	Type				Electro-pneumatic SMART type						
	46.	Make & Model no.				*		*				
	47.	Air supply pressure				* (shall be less than 3kg/cm ²)						
	48.	Input	Output Signal		4-20 mA DC		*					
	49.	Bypass	Gauges		No		Yes					
	50.	Air consumption				*						
Options	51.	Solenoid valve				Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>						
		a) Make	Model no.									
		b) Valve type										
		c) Port size										
		d) Power supply										
		e) Insulation class										
		f) Housing										
		g) Manual override				Yes <input type="checkbox"/> No <input type="checkbox"/>						
		h) Manual reset				Yes <input type="checkbox"/> No <input type="checkbox"/>						
	52.	Switch				Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>						
		a) Make	Model no.									
		b) Type	Qty.									
		c) Contacts Rating										
	d) Actuation point											
	e) Housing											
	f) Cable entry											
53.	A/F regulator with gauge				Qty.	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	1					
	a) Make	Model no.		*		*						
	b) Inlet press. max.				*							
	c) Outlet press. max.				*							
	d) Filter element				Sintered bronze							
	e) Filter size				25 micron							
54.	I/P Converter				Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>							
	Make	Model		*		*						
55.	Position transmitter				Yes, integral with the positioner							
	a) Make	Model no.		-		-						
	b) Type	Qty.		-		-						
	c) Housing				Weatherproof							
	d) Power supply & Output				24 VDC, 4-20mA DC							
	e) Cable entry				½" NPTF							
56.	Local position indicator				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>							
57.	Air lock relay				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>							
58.	IBR certificate				Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>							
59.	Fire safe				Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>							
60.	Corrosion protection				Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>							
61.	Hydrostatic pressure				As per ANSI / ISA S75.19							
62.	ANSI leakage class				Class IV							
63.												

make: MIL / Forbes Marshall / Areg / Procon / K.K. / Instrumentation Ltd.

gfr