

Service Condition		Flow Rate		Fluid: Sulphuric Acid		Min Flow		Shut-off	
Log No. HVCV 07 to HVCV 12		Max Flow		Nom Flow		0.5			
Flow Rate		1		0.625					
3.	Inlet Press.	Design of	3.3	1	3.3	1	3.3	1	
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		Valve Body/ Bonnet		Trim		Actuator		Positioner	
13.	Line No.								
14.	Line Size	Std.	Sch.	DN 25	SS 316L	405			
15.	Inlet line : I.D.	O.D.	33.4	3.38					
16.	Outlet line : I.D.	33.4	3.38						
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							
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							
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					
45.	Type	Electro-pneumatic linear <i>double</i>							
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		Test	
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	1/2" 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 / Farber Marshall / Areg / Procon / R/K / Instrumentation Ltd.

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