

Control Valve Data Sheet

Item No. / Qty	1	1	Ref. No.	
Tag No.	16-FV-040		Purchaser	
Service			End user	
<Control valve>			<Remarks>	
Model	HAV		SV0703-105 Indicating unit : "kgf/cm2"	
Description	Venturi Throat Type Angle Control Valves		SV0601-001 Air piping Connection: 1/4 NPT	
Body/Port size	6 in.	5 in.	SV0602-002 Air piping: Vinyl covered copper tube. Joint:Cr plated with vinyl cap	
Conn. Size. / Rated CV			SV0101-005 Flange facing finish : Serration ASME B16.5(125 ~ 250AARH)	
Rating / Conn. Type	ANSI300	RF	SV0603-001 Air-fail-Open system with 39L tank	
Body material	SCPH2		SV0006-003 Tag No. plate mounted on Diaphragm case (Plate size and description are Customer's reQuirement.)	
Trim material	SUS316 STELLITE SHEATH (#6)		Flashing Purge Connection on the Valve Bonnet (3/4"ANSI300#RF)	
Flow characteristic	EQ%			
Bonnet	EXT-1 (200 to 450 degC)			
Actuator / Handle	DAP560+Oil Snapper	---		
Action	AIR TO CLOSE(Side to Bottom)			
Gland packing / Grease	P6610CH+P6528	650		
Gasket	V543			
Air supply / Spring range	4.0kgf/cm2			
Seat leakage				
Color: Body/Diaph./Yoke	SILVER	7.5R3/12	SILVER	
Paint	Corrosion resistant			
<Accessories>				
Positioner	VPP03-1			
Structure				
Input signal	0.2-1.0 kgf/cm2		V93-7550-00	
Regulator	KZ03-2B-XX	1	Old Production No : 416-8305-1410(1978)	
Regulator2				
Limit switch				
Action				
Solenoid valve				
Action / Power				
Booster				
Air lock valve				
<Process data>				
Fluid name/Phase	HC+CAT		LIQUID	
	MAX	NOR	MIN	Unit
Flow rate	278.5			m3/h
Inlet pressure	5.1			kgf/cm2A
Outlet pressure				kgf/cm2A
Differential press.	0.8			kgf/cm2
Shut-off press.		5.1		kgf/cm2
Temperature	233			degC
Density/Gravity(Liq)	0.897			water=1
Density/Gravity(G,V)				MW
Viscosity	3.0			cP
Flash				%
Calculated CV	344.3			
Travel	90			%
Inlet velocity	4.38			m/s
Predictive SPL	65			dBA
<Piping spec.>				
Strength Calc. Sheet				
Design			kgf/cm2G	
Temp.			degC	
Size	6 in.	6 in.		
Sch No.	40	40		
Thickness	7.1	7.1		
Azbil Corporation				