azbil

Control Valve Data Sheet

Item No. / Qty	1	1
Tag No.	16-PV-008	
Service		

Ref. No.	
Purchaser	
End user	
Project	

<Control valve>

Model	VBS	
Description	Bubble-Tight Butterfly Valve(Rubber Seat)	
Body/Port size	10 in.	60 deg
Conn. Size. / Rated CV		1700
Rating / Conn. Type	ANSI150	WAFER
Body material	BODY: SCPH2/ VANE: SCS13 NEOPRE	
Trim material	STEM:SUS316/GUIDE BUSH:SUS316S	
Flow characteristic		
Bonnet	PLAIN (0 to 150 degC)	
Actuator / Handle	HA4D	Side
Action	AIR TO OPEN	
Gland packing / Grease	P4519	650
Gasket	---	
Air supply / Spring range	2.8kgf/cm2	0.8-2.4kgf/cm2
Seat leakage		
Color: Body/Diaph./Yoke	SILVER / SILVER	M2.5Y8/12
Paint	Corrosion Resistant	

<Accessories>

Positioner	HTP-1D	
Structure		
Input signal	0.2-1.0 kgf/cm2	
Regulator	KZ03-2B-XX	1
Regulator2		
Limit switch		
Action		
Solenoid valve		
Action / Power		
Booster		
Air lock valve		

<Process data>

Fluid name/Phase	HC VAPOR			GAS
	MAX	NOR	MIN	Unit
Flow rate	18864			m3/h(N)
Inlet pressure	1.9			kgf/cm2A
Outlet pressure				kgf/cm2A
Differential press.	0.33			kgf/cm2
Shut-off press.	3			kgf/cm2
Temperature	36			degC
Density/Gravity(Liq)				water=1
Density/Gravity(G,V)	1.874			kg/m3(N)
Viscosity	0.1			cP
Flash				%
Calculated CV	1498			
Travel				%
Outlet velocity	0.2716			Mach
Predictive SPL	88			dBA

<Remarks>

SV0703-105 Indicating unit : "kgf/cm2"

SV0601-001 Air piping Connection: 1/4 NPT

SV0602-002 Air piping: Vinyl covered copper tube. Joint:Cr plated with vinyl cap

SV0101-004 Flange facing finish : Serration ANSI B16.5 (Spiral)

SV0705-001 Without signal by-pass cock for HTP positioner

SV0505-003 Minimum and maximum flow stopper for actuator

Old Production No : 416.8305.4410

<Piping spec.>

Strength Calc. Sheet		
Design		kgf/cm2G
Temp.		degC
Size	10 in.	10 in.
Sch No.	40	40
Thickness	9.3	9.3

Yamatake Corporation