

Specification Sheet

No.: 1 QTY: 1 Tag no. Service < Specification > Model HPS Description Top-Guided High Pressure Single Seated Control Valves Valve size 1-1/2 inch Port size 1-1/2 inch Rated Cv 25 Connection size inch Body rating ANSI1500 End connection RJ Body material SCPH21 Trim material SUS316 STELLITE Flow characteristic EQ% Bonnet type PLAIN Actuator HA4R Manual operator --- Valve action REVERSE(Air fail close) Gland packing TK397 Gasket V543, V8590 Grease PS6 Air supply 2.8kgf/cm2 Spring range 0.8-2.4kgf/cm2 < Accesories > Positioner / Signal HTP-1D Exprosion-proof Signal 0.2-1.0 kgf/cm2 Regurator KZ03-2A-XX Regulator 2 Limit Switch Action Solenoid valve Action Power supply Others	Product no.: <Option> SV0703-105 Indicating unit : "kgf/cm2" SV0601-000 Air piping Connection: Rc1/4 SV0602-002 Air piping: Vinyl covered copper tube. Joint:Cr plated with vinyl cap SV0801-E01 Material certificate in English. Scope: valve body and bonnet																																																												
<Operating condition> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Fluid name</td> <td style="width: 20%;">Steam</td> <td style="width: 20%;"></td> <td style="width: 20%;">[STEAM]</td> </tr> <tr> <td></td> <td style="text-align: center;">MAX</td> <td style="text-align: center;">NOR</td> <td style="text-align: center;">MIN</td> </tr> <tr> <td>Flow rate</td> <td></td> <td style="text-align: center;">930</td> <td style="text-align: center;">kg/h</td> </tr> <tr> <td>Inlet pressure</td> <td></td> <td style="text-align: center;">41.7</td> <td style="text-align: center;">kgf/cm2G</td> </tr> <tr> <td>Outlet pressure</td> <td></td> <td></td> <td style="text-align: center;">kgf/cm2G</td> </tr> <tr> <td>Diff. pressure</td> <td></td> <td style="text-align: center;">1.2</td> <td style="text-align: center;">kgf/cm2</td> </tr> <tr> <td>Shut-off press.</td> <td></td> <td style="text-align: center;">59.8</td> <td style="text-align: center;">kgf/cm2</td> </tr> <tr> <td>Temperature</td> <td></td> <td style="text-align: center;">435</td> <td style="text-align: center;">degC</td> </tr> <tr> <td>Sp.Gr. (liq.)</td> <td></td> <td></td> <td style="text-align: center;">water=1</td> </tr> <tr> <td>Sp.Gr.(gas,vapor)</td> <td></td> <td style="text-align: center;">18.02</td> <td style="text-align: center;">MW</td> </tr> <tr> <td>Viscosity</td> <td></td> <td></td> <td style="text-align: center;">cP</td> </tr> <tr> <td>Flash</td> <td></td> <td></td> <td style="text-align: center;">%</td> </tr> </table> Calculated Cv 8.383	Fluid name	Steam		[STEAM]		MAX	NOR	MIN	Flow rate		930	kg/h	Inlet pressure		41.7	kgf/cm2G	Outlet pressure			kgf/cm2G	Diff. pressure		1.2	kgf/cm2	Shut-off press.		59.8	kgf/cm2	Temperature		435	degC	Sp.Gr. (liq.)			water=1	Sp.Gr.(gas,vapor)		18.02	MW	Viscosity			cP	Flash			%	<Seat Leakage> CLASS IV (SV0201-003) <Note> Tokumi: V93-1059-00 - 1.Replacement for existing 419-8138-0700. <Line spec> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Design press.</td> <td style="width: 20%;"></td> <td style="width: 20%; text-align: right;">kgf/cm2G</td> </tr> <tr> <td>Design temp.</td> <td></td> <td style="text-align: right;">degC</td> </tr> <tr> <td>Line size in/out</td> <td style="text-align: center;">1-1/2 /</td> <td style="text-align: right;">1-1/2 inch</td> </tr> <tr> <td>Line Sch. / Thick</td> <td style="text-align: center;">40 /</td> <td style="text-align: right;">3.7 mm</td> </tr> </table>	Design press.		kgf/cm2G	Design temp.		degC	Line size in/out	1-1/2 /	1-1/2 inch	Line Sch. / Thick	40 /	3.7 mm
Fluid name	Steam		[STEAM]																																																										
	MAX	NOR	MIN																																																										
Flow rate		930	kg/h																																																										
Inlet pressure		41.7	kgf/cm2G																																																										
Outlet pressure			kgf/cm2G																																																										
Diff. pressure		1.2	kgf/cm2																																																										
Shut-off press.		59.8	kgf/cm2																																																										
Temperature		435	degC																																																										
Sp.Gr. (liq.)			water=1																																																										
Sp.Gr.(gas,vapor)		18.02	MW																																																										
Viscosity			cP																																																										
Flash			%																																																										
Design press.		kgf/cm2G																																																											
Design temp.		degC																																																											
Line size in/out	1-1/2 /	1-1/2 inch																																																											
Line Sch. / Thick	40 /	3.7 mm																																																											