

Specification Sheet

<p>No.: 1 QTY: 1</p> <p>Tag no. 28-TV-014</p> <p>Service</p> <p>< Specification ></p> <p>Model VDP</p> <p>Description Top and Bottom-Guided Double Seated Control Valve</p> <p>Valve size 3 inch</p> <p>Port size 3 inch</p> <p>Rated Cv 110</p> <p>Connection size inch</p> <p>Body rating ANSI300</p> <p>End connection RF</p> <p>Body material SCPH2</p> <p>Trim material SUS316 STELLITE FACE</p> <p>Flow characteristic %C</p> <p>Bonnet type FIN</p> <p>Actuator HA3D</p> <p>Manual operator ---</p> <p>Valve action REVERSE(Push down to open)</p> <p>Gland packing TK397</p> <p>Gasket V543</p> <p>Grease 650</p> <p>Air supply 4.0kgf/cm2</p> <p>Spring range 0.8-2.4kgf/cm2</p> <p>< Accesories ></p> <p>Positioner / Signal HTP</p> <p>Explosion-proof</p> <p>Signal 0.2-1.0 kgf/cm2</p> <p>Regurator KZ03-2B-XX</p> <p>Regulator 2</p> <p>Limit Switch</p> <p>Action</p> <p>Solenoid valve</p> <p>Action</p> <p>Power supply</p> <p>Others</p>	<p>Product no.:</p> <p><Option></p> <p>SV0703-105 Indicating unit : "kgf/cm2"</p> <p>SV0601-001 Air piping Connection: 1/4 NPT</p> <p>SV0602-002 Air piping: Vinyl covered copper tube. Joint:Cr plated with vinyl cap</p> <p>SV0202-050 Range ability: 50:1</p> <p><Finish></p> <p>Body: Silver</p> <p>Diaph. Case: Yellow</p> <p>Yoke: Yellow</p> <p>Paint: Standard</p>																																																																				
<p><Operating condition></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Fluid name</td> <td style="width: 20%;">Hot Oil</td> <td style="width: 20%;">[LIQUID]</td> <td style="width: 20%;">UNIT</td> </tr> <tr> <td>Flow rate</td> <td>MAX 46.2</td> <td>NOR MIN</td> <td>m3/h</td> </tr> <tr> <td>Inlet pressure</td> <td>5.2</td> <td></td> <td>kgf/cm2A</td> </tr> <tr> <td>Outlet pressure</td> <td></td> <td></td> <td>kgf/cm2A</td> </tr> <tr> <td>Diff. pressure</td> <td>1.0</td> <td></td> <td>kgf/cm2</td> </tr> <tr> <td>Shut-off press.</td> <td></td> <td>12.3</td> <td>kgf/cm2</td> </tr> <tr> <td>Temperature</td> <td>316</td> <td></td> <td>degC</td> </tr> <tr> <td>Sp.Gr. (liq.)</td> <td>0.689</td> <td></td> <td>water=1</td> </tr> <tr> <td>Sp.Gr. (gas,vapor)</td> <td></td> <td></td> <td>MW</td> </tr> <tr> <td>Viscosity</td> <td></td> <td></td> <td>cP</td> </tr> <tr> <td>Flash</td> <td></td> <td></td> <td>%</td> </tr> <tr> <td>Velocity</td> <td>2.81</td> <td></td> <td>m/s</td> </tr> <tr> <td>S.P.L.</td> <td>62</td> <td></td> <td>dBA</td> </tr> <tr> <td>Calculated Cv</td> <td>44.77</td> <td></td> <td></td> </tr> <tr> <td>Travel</td> <td></td> <td></td> <td>%</td> </tr> </table>	Fluid name	Hot Oil	[LIQUID]	UNIT	Flow rate	MAX 46.2	NOR MIN	m3/h	Inlet pressure	5.2		kgf/cm2A	Outlet pressure			kgf/cm2A	Diff. pressure	1.0		kgf/cm2	Shut-off press.		12.3	kgf/cm2	Temperature	316		degC	Sp.Gr. (liq.)	0.689		water=1	Sp.Gr. (gas,vapor)			MW	Viscosity			cP	Flash			%	Velocity	2.81		m/s	S.P.L.	62		dBA	Calculated Cv	44.77			Travel			%	<p><Seat Leakage></p> <p style="text-align: center;">CLASS II (SV0201-007)</p> <p><Note> Tokumi: V93-8763-00 - 1</p> <p>Existing Valve Prod No. 416-8318-0800</p> <p><Line spec></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;">Design press.</td> <td style="width: 30%;">kPaG</td> </tr> <tr> <td>Design temp.</td> <td>degC</td> </tr> <tr> <td>Line size in/out</td> <td>/ / inch</td> </tr> <tr> <td>Line Sch. / Thick</td> <td>/ / mm</td> </tr> </table>	Design press.	kPaG	Design temp.	degC	Line size in/out	/ / inch	Line Sch. / Thick	/ / mm
Fluid name	Hot Oil	[LIQUID]	UNIT																																																																		
Flow rate	MAX 46.2	NOR MIN	m3/h																																																																		
Inlet pressure	5.2		kgf/cm2A																																																																		
Outlet pressure			kgf/cm2A																																																																		
Diff. pressure	1.0		kgf/cm2																																																																		
Shut-off press.		12.3	kgf/cm2																																																																		
Temperature	316		degC																																																																		
Sp.Gr. (liq.)	0.689		water=1																																																																		
Sp.Gr. (gas,vapor)			MW																																																																		
Viscosity			cP																																																																		
Flash			%																																																																		
Velocity	2.81		m/s																																																																		
S.P.L.	62		dBA																																																																		
Calculated Cv	44.77																																																																				
Travel			%																																																																		
Design press.	kPaG																																																																				
Design temp.	degC																																																																				
Line size in/out	/ / inch																																																																				
Line Sch. / Thick	/ / mm																																																																				

Specification Sheet

<p>No.: 3 QTY: 1</p> <p>Tag no. 25-TV-050</p> <p>Service</p> <p>< Specification ></p> <p>Model VDP</p> <p>Description Top and Bottom-Guided Double Seated Control Valve</p> <p>Valve size 1-1/2 inch</p> <p>Port size 1-1/2 inch</p> <p>Rated Cv</p> <p>Connection size inch</p> <p>Body rating ANSI150</p> <p>End connection RF</p> <p>Body material SCPH2</p> <p>Trim material SUS316</p> <p>Flow characteristic %V</p> <p>Bonnet type</p> <p>Actuator HA2D</p> <p>Manual operator ---</p> <p>Valve action REVERSE(Push down to open)</p> <p>Gland packing V7132Y</p> <p>Gasket V543</p> <p>Grease 800</p> <p>Air supply</p> <p>Spring range 0.2-1.0kgf/cm2</p> <p>< Accesories ></p> <p>Positioner / Signal</p> <p>Explosion-proof</p> <p>Signal</p> <p>Regurator</p> <p>Regulator 2</p> <p>Limit Switch</p> <p>Action</p> <p>Solenoid valve</p> <p>Action</p> <p>Power supply</p> <p>Others</p>	<p>Product no.:</p> <p><Option></p> <p>SV0703-105 Indicating unit : "kgf/cm2"</p> <p>SV0601-001 Air piping Connection: 1/4 NPT</p> <p>SV0602-002 Air piping: Vinyl covered copper tube. Joint:Cr plated with vinyl cap</p> <p>SV0101-004 Flange facing finish : Serration ANSI B16.5 (Spiral)</p> <p><Finish></p> <p>Body: Silver</p> <p>Diaph. Case: Yellow</p> <p>Yoke: Yellow</p> <p>Paint: Standard</p>																																																																												
<p><Operating condition></p> <table border="1"> <thead> <tr> <th>Fluid name</th> <th>Solvent</th> <th></th> <th>[LIQUID]</th> </tr> <tr> <th></th> <th>MAX</th> <th>NOR</th> <th>MIN</th> </tr> </thead> <tbody> <tr> <td>Flow rate</td> <td>17.1</td> <td></td> <td>UNIT m3/h</td> </tr> <tr> <td>Inlet pressure</td> <td>3.52</td> <td></td> <td>kgf/cm2A</td> </tr> <tr> <td>Outlet pressure</td> <td></td> <td></td> <td>kgf/cm2A</td> </tr> <tr> <td>Diff. pressure</td> <td>1.5</td> <td></td> <td>kgf/cm2</td> </tr> <tr> <td>Shut-off press.</td> <td></td> <td>9</td> <td>kgf/cm2</td> </tr> <tr> <td>Temperature</td> <td>55</td> <td></td> <td>degC</td> </tr> <tr> <td>Sp.Gr. (liq.)</td> <td>0.779</td> <td></td> <td>water=1</td> </tr> <tr> <td>Sp.Gr. (gas, vapor)</td> <td></td> <td></td> <td>MW</td> </tr> <tr> <td>Viscosity</td> <td>0.39</td> <td></td> <td>cP</td> </tr> <tr> <td>Flash</td> <td></td> <td></td> <td>%</td> </tr> <tr> <td>Velocity</td> <td>4.16</td> <td></td> <td>m/s</td> </tr> <tr> <td>S.P.L.</td> <td>64</td> <td></td> <td>dBA</td> </tr> <tr> <td>Calculated Cv</td> <td>14.38</td> <td></td> <td></td> </tr> <tr> <td>Travel</td> <td></td> <td></td> <td>%</td> </tr> </tbody> </table>	Fluid name	Solvent		[LIQUID]		MAX	NOR	MIN	Flow rate	17.1		UNIT m3/h	Inlet pressure	3.52		kgf/cm2A	Outlet pressure			kgf/cm2A	Diff. pressure	1.5		kgf/cm2	Shut-off press.		9	kgf/cm2	Temperature	55		degC	Sp.Gr. (liq.)	0.779		water=1	Sp.Gr. (gas, vapor)			MW	Viscosity	0.39		cP	Flash			%	Velocity	4.16		m/s	S.P.L.	64		dBA	Calculated Cv	14.38			Travel			%	<p><Seat Leakage></p> <p>CLASS II (SV0201-007)</p> <p><Note> Tokumi: V93-8763-00 - 2</p> <p>Existing Valve Prod No. 416-8315-2900</p> <p><Line spec></p> <table border="1"> <tr> <td>Design press.</td> <td></td> <td>kPaG</td> </tr> <tr> <td>Design temp.</td> <td></td> <td>degC</td> </tr> <tr> <td>Line size in/out</td> <td>/</td> <td>inch</td> </tr> <tr> <td>Line Sch. / Thick</td> <td>/</td> <td>mm</td> </tr> </table>	Design press.		kPaG	Design temp.		degC	Line size in/out	/	inch	Line Sch. / Thick	/	mm
Fluid name	Solvent		[LIQUID]																																																																										
	MAX	NOR	MIN																																																																										
Flow rate	17.1		UNIT m3/h																																																																										
Inlet pressure	3.52		kgf/cm2A																																																																										
Outlet pressure			kgf/cm2A																																																																										
Diff. pressure	1.5		kgf/cm2																																																																										
Shut-off press.		9	kgf/cm2																																																																										
Temperature	55		degC																																																																										
Sp.Gr. (liq.)	0.779		water=1																																																																										
Sp.Gr. (gas, vapor)			MW																																																																										
Viscosity	0.39		cP																																																																										
Flash			%																																																																										
Velocity	4.16		m/s																																																																										
S.P.L.	64		dBA																																																																										
Calculated Cv	14.38																																																																												
Travel			%																																																																										
Design press.		kPaG																																																																											
Design temp.		degC																																																																											
Line size in/out	/	inch																																																																											
Line Sch. / Thick	/	mm																																																																											