

Specification Sheet

<p>No.: 1 QTY: 1</p> <p>Tag no. QPIC 814</p> <p>Service</p> <p>< Specification ></p> <p>Model HTS</p> <p>Description Top-Guided Single Seated Control Valves</p> <p>Valve size 6 inch</p> <p>Port size 5 inch</p> <p>Rated Cv 275</p> <p>Connection size 6 inch</p> <p>Body rating ANSI300</p> <p>End connection RF</p> <p>Body material SCPH2</p> <p>Trim material SUS316 STELLITE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type PLAIN</p> <p>Actuator SLOP560</p> <p>Manual operator ---</p> <p>Valve action REVERSE(Air fail close)</p> <p>Gland packing V1290</p> <p>Gasket V543</p> <p>Grease PS6</p> <p>Air supply 5.0kgf/cm2</p> <p>Spring range</p> <p>< Accesories ></p> <p>Positioner / Signal VPP03-1</p> <p>Explosion-proof</p> <p>Signal 0.2-1.0 kgf/cm2</p> <p>Regurator KZ03-3A-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>SV0601-000 Air piping Connection: Rc1/4</p> <p>SV0602-002 Air piping: Vinyl covered copper tube. Joint:Cr plated with vinyl cap</p> <p><Finish></p> <p>Body: 7.5BG4/1.5</p> <p>Diaph. Case: 7.5BG4/1.5</p> <p>Yoke: 7.5BG4/1.5</p> <p>Paint: Standard</p>																																																																																								
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<p>No.: 2 QTY: 2</p> <p>Tag no. QPIC 815A/B</p> <p>Service</p> <p>< Specification ></p> <p>Model VST</p> <p>Description Top Guiding Single Seated Control Valves (Rating; ANSI 600 or Less)</p> <p>Valve size 10 inch</p> <p>Port size 10 inch</p> <p>Rated Cv 1000</p> <p>Connection size 10 inch</p> <p>Body rating ANSI300</p> <p>End connection RF</p> <p>Body material SCPH2</p> <p>Trim material SUS316L STELLITE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type FIN</p> <p>Actuator SLOP560</p> <p>Manual operator ---</p> <p>Valve action REVERSE(Air fail close)</p> <p>Gland packing V1290</p> <p>Gasket V543</p> <p>Grease PS6</p> <p>Air supply 5.0kgf/cm2</p> <p>Spring range</p> <p>< Accesories ></p> <p>Positioner / Signal VPP03-1</p> <p style="padding-left: 20px;">Explosion-proof</p> <p style="padding-left: 20px;">Signal 0.2-1.0 kgf/cm2</p> <p>Regurator KZ03-3A-XX</p> <p>Regulator 2</p> <p>Limit Switch</p> <p style="padding-left: 20px;">Action</p> <p>Solenoid valve</p> <p style="padding-left: 20px;">Action</p> <p style="padding-left: 20px;">Power supply</p> <p>Others</p>	<p>Product no.:</p> <p><Option></p> <p>SV0703-105 Indicating unit : "kgf/cm2"</p> <p>SV0601-000 Air piping Connection: Rc1/4</p> <p>SV0602-002 Air piping: Vinyl covered copper tube. Joint:Cr plated with vinyl cap</p> <p><Finish></p> <p>Body: 7.5BG4/1.5</p> <p>Diaph. Case: 7.5BG4/1.5</p> <p>Yoke: 7.5BG4/1.5</p> <p>Paint: Standard</p>																																																																																								
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<p>No.: 3 QTY: 1</p> <p>Tag no. QPIC 821</p> <p>Service</p> <p>< Specification ></p> <p>Model HCB</p> <p>Description Pressure Balanced Cage Type Control Valves</p> <p>Valve size 6 inch</p> <p>Port size 5 inch</p> <p>Rated Cv 420</p> <p>Connection size 6 inch</p> <p>Body rating ANSI300</p> <p>End connection RF</p> <p>Body material SCPH2</p> <p>Trim material SCS24</p> <p>Flow characteristic EQ% (%V)</p> <p>Bonnet type PLAIN</p> <p>Actuator HA3</p> <p>Manual operator ---</p> <p>Valve action REVERSE(Air fail close)</p> <p>Gland packing V7132Y+SM636</p> <p>Gasket V543,V590</p> <p>Grease PS6</p> <p>Air supply 1.4kgf/cm2</p> <p>Spring range 0.2-1.0kgf/cm2</p> <p>< Accesories ></p> <p>Positioner / Signal HTP-1D</p> <p>Explosion-proof Signal 0.2-1.0 kgf/cm2</p> <p>Regurator KZ03-3A-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>SV0601-000 Air piping Connection: Rc1/4</p> <p>SV0602-002 Air piping: Vinyl covered copper tube. Joint:Cr plated with vinyl cap</p> <p><Finish></p> <p>Body: 7.5BG4/1.5</p> <p>Diaph. Case: 7.5BG4/1.5</p> <p>Yoke: 7.5BG4/1.5</p> <p>Paint: Standard</p>																																																																								
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Specification Sheet

<p>No.: 4 QTY: 1</p> <p>Tag no. QPIC 813</p> <p>Service</p> <p>< Specification ></p> <p>Model HTS</p> <p>Description Top-Guided Single Seated Control Valves</p> <p>Valve size 6 inch</p> <p>Port size 6 inch</p> <p>Rated Cv 420</p> <p>Connection size 6 inch</p> <p>Body rating ANSI600</p> <p>End connection RJ</p> <p>Body material SCPH21</p> <p>Trim material SUS316 STELLITE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type EXT-1 HIGH</p> <p>Actuator SLOP1500</p> <p>Manual operator ---</p> <p>Valve action REVERSE(Air fail close)</p> <p>Gland packing TK397</p> <p>Gasket V543</p> <p>Grease PS6</p> <p>Air supply 5.0kgf/cm2</p> <p>Spring range</p> <p>< Accesories ></p> <p>Positioner / Signal VPP03-1</p> <p>Explosion-proof</p> <p>Signal 0.2-1.0 kgf/cm2</p> <p>Regurator KZ03-3A-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>SV0601-000 Air piping Connection: Rc1/4</p> <p>SV0602-002 Air piping: Vinyl covered copper tube. Joint:Cr plated with vinyl cap</p> <p><Finish></p> <p>Body: 7.5BG4/1.5</p> <p>Diaph. Case: 7.5BG4/1.5</p> <p>Yoke: 7.5BG4/1.5</p> <p>Paint: Standard</p>																																																																																																
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Specification Sheet

No.: 5 QTY: 1 Tag no. RTIC 751 Service < Specification > Model HTS Description Top-Guided Single Seated Control Valves Valve size 1-1/2 inch Port size 1-1/2 inch Rated Cv 24 Connection size 1-1/2 inch Body rating ANSI300 End connection RF Body material SCPH2 Trim material SUS316 Flow characteristic EQ% Bonnet type PLAIN Actuator HA2 Manual operator --- Valve action REVERSE(Air fail close) Gland packing V7132Y+SM636 Gasket V543 Grease PS6 Air supply 1.4kgf/cm2 Spring range 0.2-1.0kgf/cm2 < Accesories > Positioner / Signal AVP300-ESD1B-1CYT-X Explosion-proof JIS Flameproof w/ cable packing adaptor, Rc1/4, G Signal 4-20 mADC 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																																																																
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<p>No.: 6 QTY: 1</p> <p>Tag no. RPIC 751</p> <p>Service</p> <p>< Specification ></p> <p>Model HCB</p> <p>Description Pressure Balanced Cage Type Control Valves</p> <p>Valve size 4 inch</p> <p>Port size 3 inch</p> <p>Rated Cv 99</p> <p>Connection size 4 inch</p> <p>Body rating ANSI300</p> <p>End connection RF</p> <p>Body material SCPH2</p> <p>Trim material SCS24</p> <p>Flow characteristic EQ%</p> <p>Bonnet type PLAIN</p> <p>Actuator HA4</p> <p>Manual operator ---</p> <p>Valve action REVERSE(Air fail close)</p> <p>Gland packing V7132Y+SM636</p> <p>Gasket V543,V590</p> <p>Grease PS6</p> <p>Air supply 2.8kgf/cm2</p> <p>Spring range 0.8-2.4kgf/cm2</p> <p>< Accesories ></p> <p>Positioner / Signal HTP-1D</p> <p style="padding-left: 20px;">Explosion-proof</p> <p style="padding-left: 20px;">Signal 0.2-1.0 kgf/cm2</p> <p>Regurator KZ03-2A-XX</p> <p>Regulator 2</p> <p>Limit Switch</p> <p style="padding-left: 20px;">Action</p> <p>Solenoid valve</p> <p style="padding-left: 20px;">Action</p> <p style="padding-left: 20px;">Power supply</p> <p>Others</p>	<p>Product no.:</p> <p><Option></p> <p>SV0703-105 Indicating unit : "kgf/cm2"</p> <p>SV0601-000 Air piping Connection: Rc1/4</p> <p>SV0602-002 Air piping: Vinyl covered copper tube. Joint:Cr plated with vinyl cap</p> <p><Finish></p> <p>Body: 7.5BG4/1.5</p> <p>Diaph. Case: 7.5BG4/1.5</p> <p>Yoke: 7.5BG4/1.5</p> <p>Paint: Standard</p>																																																																																																		
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Specification Sheet

<p>No.: 7 QTY: 1</p> <p>Tag no. RPICA 752A</p> <p>Service</p> <p>< Specification ></p> <p>Model HCB</p> <p>Description Pressure Balanced Cage Type Control Valves</p> <p>Valve size 4 inch</p> <p>Port size 3 inch</p> <p>Rated Cv 99</p> <p>Connection size 4 inch</p> <p>Body rating ANSI300</p> <p>End connection RF</p> <p>Body material SCPH2</p> <p>Trim material SCS24</p> <p>Flow characteristic EQ%</p> <p>Bonnet type PLAIN</p> <p>Actuator HA4</p> <p>Manual operator ---</p> <p>Valve action REVERSE(Air fail close)</p> <p>Gland packing V7132Y+SM636</p> <p>Gasket V543,V590</p> <p>Grease PS6</p> <p>Air supply 2.8kgf/cm2</p> <p>Spring range 0.8-2.4kgf/cm2</p> <p>< Accesories ></p> <p>Positioner / Signal AVP300-ESD2B-1CYN-X</p> <p>Explosion-proof JIS Flameproof w/ cable packing adaptor, Rc1/4, G</p> <p>Signal 4-20 mADC</p> <p>Regulator KZ03-2A-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>SV0601-000 Air piping Connection: Rc1/4</p> <p>SV0602-002 Air piping: Vinyl covered copper tube. Joint:Cr plated with vinyl cap</p> <p><Finish></p> <p>Body: 7.5BG4/1.5</p> <p>Diaph. Case: 7.5BG4/1.5</p> <p>Yoke: 7.5BG4/1.5</p> <p>Paint: Standard</p>																																																																								
<p><Operating condition></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Fluid name</th> <th>Fuel Gas</th> <th></th> <th>[GAS]</th> </tr> <tr> <th></th> <th>MAX</th> <th>NOR</th> <th>MIN UNIT</th> </tr> </thead> <tbody> <tr> <td>Flow rate</td> <td>35000</td> <td>22108</td> <td>m3/h[N]</td> </tr> <tr> <td>Inlet pressure</td> <td>41.3</td> <td>41.3</td> <td>kgf/cm2G</td> </tr> <tr> <td>Outlet pressure</td> <td></td> <td></td> <td>kgf/cm2G</td> </tr> <tr> <td>Diff. pressure</td> <td>36.8</td> <td>36.8</td> <td>kgf/cm2</td> </tr> <tr> <td>Shut-off press.</td> <td></td> <td>41.3</td> <td>kgf/cm2</td> </tr> <tr> <td>Temperature</td> <td>38</td> <td>38</td> <td>degC</td> </tr> <tr> <td>Sp.Gr. (liq.)</td> <td></td> <td></td> <td>water=1</td> </tr> <tr> <td>Sp.Gr.(gas,vapor)</td> <td>19.02</td> <td>19.02</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>0.58</td> <td>0.37</td> <td>Mach</td> </tr> <tr> <td>S.P.L.</td> <td></td> <td></td> <td>dBA</td> </tr> <tr> <td>Calculated Cv</td> <td>50.18</td> <td>31.7</td> <td></td> </tr> <tr> <td>Travel</td> <td>78</td> <td>63</td> <td>%</td> </tr> </tbody> </table>	Fluid name	Fuel Gas		[GAS]		MAX	NOR	MIN UNIT	Flow rate	35000	22108	m3/h[N]	Inlet pressure	41.3	41.3	kgf/cm2G	Outlet pressure			kgf/cm2G	Diff. pressure	36.8	36.8	kgf/cm2	Shut-off press.		41.3	kgf/cm2	Temperature	38	38	degC	Sp.Gr. (liq.)			water=1	Sp.Gr.(gas,vapor)	19.02	19.02	MW	Viscosity			cP	Flash			%	Velocity	0.58	0.37	Mach	S.P.L.			dBA	Calculated Cv	50.18	31.7		Travel	78	63	%	<p><Seat Leakage></p> <p>CLASS.III (SV0201-002)</p> <p><Note> Tokumi: V93-8631-00 - 7</p> <p>1. Replacement for existing 410-8001-0300 '74</p> <p>2. Valve model has changed to HCB from VDC.</p> <p><Line spec></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Design press.</td> <td>kgf/cm2G</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.	kgf/cm2G	Design temp.	degC	Line size in/out	inch	Line Sch. / Thick	mm
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