

Specification Sheet

<p>No.: 1 QTY: 1</p> <p>Tag no. FV-3313</p> <p>Service</p> <p>< Specification ></p> <p>Model HTS</p> <p>Description Top-Guided Single Seated Control Valves</p> <p>Valve size 1-1/2 inch</p> <p>Port size 1 inch</p> <p>Rated Cv 10</p> <p>Connection size inch</p> <p>Body rating ANSI300</p> <p>End connection BW</p> <p>Body material A351CF3</p> <p>Trim material SUS316L STELLITE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type PLAIN/Body EXT</p> <p>Actuator HA3</p> <p>Manual operator</p> <p>Valve action REVERSE(Air fail close)</p> <p>Gland packing V-PTFE</p> <p>Gasket V544(PTFE), V564(PTFE)</p> <p>Grease</p> <p>Air supply 2.7bar</p> <p>Spring range 0.8-2.4bar</p> <p>< Accesories ></p> <p>Positioner / Signal AVP302-USD2D-1CYT-X</p> <p>Explosion-proof CENELEC Intrinsically safe, 1/4 NPT, 1/2 NPT</p> <p>Signal 4-20 mADC</p> <p>Regurator KZ03-2B-XX</p> <p>Regulator 2</p> <p>Limit Switch</p> <p>Action</p> <p>Solenoid valve with</p> <p>Action En. : Control , De-en.: CV Close</p> <p>Power supply</p> <p>Others</p>	<p>Product no.:</p> <p><Option></p> <p>SV0703-102 Indicating unit : "bar"</p> <p>SV0601-001 Air piping Connection: 1/4 NPT</p> <p>SV0018-005 Oil-free Gr.B (For stainless steel body) and Water-free treatment</p> <p><Finish></p> <p>Body:</p> <p>Diaph. Case:</p> <p>Yoke:</p> <p>Paint:</p>																																																																																												
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<p>No.: 3 QTY: 1</p> <p>Tag no. FV-3331B</p> <p>Service</p> <p>< Specification ></p> <p>Model HTS</p> <p>Description Top-Guided Single Seated Control Valves</p> <p>Valve size 2 inch</p> <p>Port size 1-1/2 inch</p> <p>Rated Cv 24</p> <p>Connection size inch</p> <p>Body rating ANSI300</p> <p>End connection BW</p> <p>Body material A351CF3</p> <p>Trim material SUS316L STELLITE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type PLAIN/Body EXT</p> <p>Actuator HA4</p> <p>Manual operator</p> <p>Valve action REVERSE(Air fail close)</p> <p>Gland packing V-PTFE</p> <p>Gasket V544(PTFE), V564(PTFE)</p> <p>Grease</p> <p>Air supply 2.7bar</p> <p>Spring range 0.8-2.4bar</p> <p>< Accesories ></p> <p>Positioner / Signal AVP302-USD2D-1CYT-X</p> <p>Explosion-proof CENELEC Intrinsically safe, 1/4 NPT, 1/2 NPT</p> <p>Signal 4-20 mADC</p> <p>Regurator KZ03-2B-XX</p> <p>Regulator 2</p> <p>Limit Switch</p> <p>Action</p> <p>Solenoid valve with</p> <p>Action</p> <p>Power supply</p> <p>Others</p>	<p>Product no.:</p> <p><Option></p> <p>SV0703-102 Indicating unit : "bar"</p> <p>SV0601-001 Air piping Connection: 1/4 NPT</p> <p>SV0018-005 Oil-free Gr.B (For stainless steel body) and Water-free treatment</p> <p><Finish></p> <p>Body:</p> <p>Diaph. Case:</p> <p>Yoke:</p> <p>Paint:</p>																																																																																																																
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Specification Sheet

<p>No.: 4 QTY: 1</p> <p>Tag no. FV-3350</p> <p>Service</p> <p>< Specification ></p> <p>Model HLS</p> <p>Description Small-Port Single Seated Control Valves</p> <p>Valve size 1 inch</p> <p>Port size Cv=1.0 inch</p> <p>Rated Cv 1.0</p> <p>Connection size inch</p> <p>Body rating ANSI300</p> <p>End connection BW</p> <p>Body material A351CF3</p> <p>Trim material SUS316L STELLITE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type PLAIN/Body EXT</p> <p>Actuator HA2</p> <p>Manual operator</p> <p>Valve action REVERSE(Air fail close)</p> <p>Gland packing V-PTFE</p> <p>Gasket V544(PTFE), V564(PTFE)</p> <p>Grease</p> <p>Air supply 2.7bar</p> <p>Spring range 0.8-2.4bar</p> <p>< Accesories ></p> <p>Positioner / Signal AVP302-USD2D-1CYT-X</p> <p>Explosion-proof CENELEC Intrinsically safe, 1/4 NPT, 1/2 NPT</p> <p>Signal 4-20 mADC</p> <p>Regurator KZ03-2B-XX</p> <p>Regulator 2</p> <p>Limit Switch</p> <p>Action</p> <p>Solenoid valve with</p> <p>Action</p> <p>Power supply</p> <p>Others</p>	<p>Product no.:</p> <p><Option></p> <p>SV0703-102 Indicating unit : "bar"</p> <p>SV0601-001 Air piping Connection: 1/4 NPT</p> <p>SV0018-005 Oil-free Gr.B (For stainless steel body) and Water-free treatment</p> <p><Finish></p> <p>Body:</p> <p>Diaph. Case:</p> <p>Yoke:</p> <p>Paint:</p>																																																																																
<p><Operating condition></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Fluid name</td> <td style="width: 20%;">Excess CH4toE-301(Fuelgas hea [</td> <td style="width: 10%;">LIQUID]</td> <td style="width: 10%;">UNIT</td> </tr> <tr> <td></td> <td>MAX NOR MIN</td> <td></td> <td></td> </tr> <tr> <td>Flow rate</td> <td>2679</td> <td>1072</td> <td>l/h</td> </tr> <tr> <td>Inlet pressure</td> <td>25.15</td> <td>25.15</td> <td>barA</td> </tr> <tr> <td>Outlet pressure</td> <td>4.19</td> <td>4.19</td> <td>barA</td> </tr> <tr> <td>Diff. pressure</td> <td></td> <td></td> <td>bar</td> </tr> <tr> <td>Shut-off press.</td> <td></td> <td>39</td> <td>bar</td> </tr> <tr> <td>Temperature</td> <td>-144.7</td> <td>-144.7</td> <td>degC</td> </tr> <tr> <td>Sp.Gr. (liq.)</td> <td>0.397</td> <td>0.397</td> <td>water=1</td> </tr> <tr> <td>Sp.Gr.(gas,vapor)</td> <td></td> <td></td> <td>kg/m3[N]</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>1.46</td> <td>0.58</td> <td>m/s</td> </tr> <tr> <td>S.P.L.</td> <td>72</td> <td>68</td> <td>dBa</td> </tr> <tr> <td>Calculated Cv</td> <td>0.4262</td> <td>0.1706</td> <td></td> </tr> <tr> <td>Travel</td> <td>77</td> <td>52</td> <td>%</td> </tr> </table>	Fluid name	Excess CH4toE-301(Fuelgas hea [LIQUID]	UNIT		MAX NOR MIN			Flow rate	2679	1072	l/h	Inlet pressure	25.15	25.15	barA	Outlet pressure	4.19	4.19	barA	Diff. pressure			bar	Shut-off press.		39	bar	Temperature	-144.7	-144.7	degC	Sp.Gr. (liq.)	0.397	0.397	water=1	Sp.Gr.(gas,vapor)			kg/m3[N]	Viscosity			cP	Flash			%	Velocity	1.46	0.58	m/s	S.P.L.	72	68	dBa	Calculated Cv	0.4262	0.1706		Travel	77	52	%	<p><Seat Leakage></p> <p>CLASS IV-S1 (SV0201-009)</p> <p><Note> Tokumi -</p> <p>Air piping: Stainless steel (316ss)</p> <p><Line spec></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Design press.</td> <td style="width: 20%;">39</td> <td style="width: 20%;"></td> <td style="width: 20%;">barG</td> </tr> <tr> <td>Design temp.</td> <td>-196 ~65</td> <td></td> <td>degC</td> </tr> <tr> <td>Line size in/out</td> <td>1</td> <td>1</td> <td>inch</td> </tr> <tr> <td>Line Sch. / Thick.</td> <td>10S</td> <td>2.77</td> <td>mm</td> </tr> </table>	Design press.	39		barG	Design temp.	-196 ~65		degC	Line size in/out	1	1	inch	Line Sch. / Thick.	10S	2.77	mm
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Specification Sheet

<p>No.: 5 QTY: 1</p> <p>Tag no. FV-3401</p> <p>Service</p> <p>< Specification ></p> <p>Model HTS</p> <p>Description Top-Guided Single Seated Control Valves</p> <p>Valve size 3 inch</p> <p>Port size 3 inch</p> <p>Rated Cv 99</p> <p>Connection size inch</p> <p>Body rating ANSI300</p> <p>End connection BW</p> <p>Body material A351CF3</p> <p>Trim material SUS316L STELLITE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type PLAIN/Body EXT</p> <p>Actuator PSA6</p> <p>Manual operator</p> <p>Valve action REVERSE(Air fail close)</p> <p>Gland packing V-PTFE</p> <p>Gasket V544(PTFE), V564(PTFE)</p> <p>Grease</p> <p>Air supply 4.0bar</p> <p>Spring range 2.0-3.4bar</p> <p>< Accesories ></p> <p>Positioner / Signal AVP302-USD3D-1CYL-X</p> <p>Explosion-proof CENELEC Intrinsically safe, 1/4 NPT, 1/2 NPT</p> <p>Signal 4-20 mADC</p> <p>Regurator KZ03-2B-XX</p> <p>Regulator 2</p> <p>Limit Switch</p> <p>Action</p> <p>Solenoid valve with</p> <p>Action</p> <p>Power supply</p> <p>Others</p>	<p>Product no.:</p> <p><Option></p> <p>SV0703-102 Indicating unit : "bar"</p> <p>SV0601-001 Air piping Connection: 1/4 NPT</p> <p>SV0018-005 Oil-free Gr.B (For stainless steel body) and Water-free treatment</p> <p><Finish></p> <p>Body:</p> <p>Diaph. Case:</p> <p>Yoke:</p> <p>Paint:</p>																																																																																												
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Specification Sheet

<p>No.: 6 QTY: 1</p> <p>Tag no. FV-3503</p> <p>Service</p> <p>< Specification ></p> <p>Model HLS</p> <p>Description Small-Port Single Seated Control Valves</p> <p>Valve size 1 inch</p> <p>Port size Cv=1.0 inch</p> <p>Rated Cv 1.0</p> <p>Connection size inch</p> <p>Body rating ANSI300</p> <p>End connection BW</p> <p>Body material A351CF3</p> <p>Trim material SUS316L STELLITE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type PLAIN/Body EXT</p> <p>Actuator HA2</p> <p>Manual operator</p> <p>Valve action REVERSE(Air fail close)</p> <p>Gland packing V-PTFE</p> <p>Gasket V544(PTFE), V564(PTFE)</p> <p>Grease</p> <p>Air supply 2.7bar</p> <p>Spring range 0.8-2.4bar</p> <p>< Accesories ></p> <p>Positioner / Signal AVP302-USD2D-1CYT-X</p> <p>Explosion-proof CENELEC Intrinsically safe, 1/4 NPT, 1/2 NPT</p> <p>Signal 4-20 mADC</p> <p>Regurator KZ03-2B-XX</p> <p>Regulator 2</p> <p>Limit Switch</p> <p>Action</p> <p>Solenoid valve with</p> <p>Action</p> <p>Power supply</p> <p>Others</p>	<p>Product no.:</p> <p><Option></p> <p>SV0703-102 Indicating unit : "bar"</p> <p>SV0601-001 Air piping Connection: 1/4 NPT</p> <p>SV0018-005 Oil-free Gr.B (For stainless steel body) and Water-free treatment</p> <p><Finish></p> <p>Body:</p> <p>Diaph. Case:</p> <p>Yoke:</p> <p>Paint:</p>																																																																																																																				
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Specification Sheet

<p>No.: 7 QTY: 1</p> <p>Tag no. FV-3535</p> <p>Service</p> <p>< Specification ></p> <p>Model HTS</p> <p>Description Top-Guided Single Seated Control Valves</p> <p>Valve size 2 inch</p> <p>Port size 2 inch</p> <p>Rated Cv 44</p> <p>Connection size inch</p> <p>Body rating ANSI300</p> <p>End connection BW</p> <p>Body material A351CF3</p> <p>Trim material SUS316L STELLITE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type PLAIN/Body EXT</p> <p>Actuator HA3</p> <p>Manual operator</p> <p>Valve action REVERSE(Air fail close)</p> <p>Gland packing V-PTFE</p> <p>Gasket V544(PTFE), V564(PTFE)</p> <p>Grease</p> <p>Air supply 2.7bar</p> <p>Spring range 0.8-2.4bar</p> <p>< Accesories ></p> <p>Positioner / Signal AVP302-USD2D-1CYT-X</p> <p>Explosion-proof CENELEC Intrinsically safe, 1/4 NPT, 1/2 NPT</p> <p>Signal 4-20 mADC</p> <p>Regurator KZ03-2B-XX</p> <p>Regulator 2</p> <p>Limit Switch</p> <p>Action</p> <p>Solenoid valve with</p> <p>Action</p> <p>Power supply</p> <p>Others</p>	<p>Product no.:</p> <p><Option></p> <p>SV0703-102 Indicating unit : "bar"</p> <p>SV0601-001 Air piping Connection: 1/4 NPT</p> <p>SV0018-005 Oil-free Gr.B (For stainless steel body) and Water-free treatment</p> <p><Finish></p> <p>Body:</p> <p>Diaph. Case:</p> <p>Yoke:</p> <p>Paint:</p>																																																																																												
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<p>No.: 8 QTY: 1</p> <p>Tag no. FV-3560</p> <p>Service</p> <p>< Specification ></p> <p>Model HTS</p> <p>Description Top-Guided Single Seated Control Valves</p> <p>Valve size 3 inch</p> <p>Port size 3 inch</p> <p>Rated Cv 99</p> <p>Connection size inch</p> <p>Body rating ANSI300</p> <p>End connection BW</p> <p>Body material A351CF3M</p> <p>Trim material SUS316L STELLITE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type PLAIN/Body EXT</p> <p>Actuator PSA6</p> <p>Manual operator</p> <p>Valve action REVERSE(Air fail close)</p> <p>Gland packing V-PTFE</p> <p>Gasket V544(PTFE), V564(PTFE)</p> <p>Grease</p> <p>Air supply 4.0bar</p> <p>Spring range 2.0-3.4bar</p> <p>< Accesories ></p> <p>Positioner / Signal AVP302-USD2D-1CYN-X</p> <p>Explosion-proof CENELEC Intrinsically safe, 1/4 NPT, 1/2 NPT</p> <p>Signal 4-20 mADC</p> <p>Regurator KZ03-2B-XX</p> <p>Regulator 2</p> <p>Limit Switch</p> <p>Action</p> <p>Solenoid valve with</p> <p>Action</p> <p>Power supply</p> <p>Others</p>	<p>Product no.:</p> <p><Option></p> <p>SV0703-102 Indicating unit : "bar"</p> <p>SV0601-001 Air piping Connection: 1/4 NPT</p> <p>SV0018-005 Oil-free Gr.B (For stainless steel body) and Water-free treatment</p> <p><Finish></p> <p>Body:</p> <p>Diaph. Case:</p> <p>Yoke:</p> <p>Paint:</p>																																																																																																																				
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<p>No.: 9 QTY: 1</p> <p>Tag no. FV-3715</p> <p>Service</p> <p>< Specification ></p> <p>Model HTS</p> <p>Description Top-Guided Single Seated Control Valves</p> <p>Valve size 2 inch</p> <p>Port size 1 inch</p> <p>Rated Cv 10</p> <p>Connection size inch</p> <p>Body rating ANSI300</p> <p>End connection BW</p> <p>Body material A351CF3</p> <p>Trim material SUS316L STELLITE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type PLAIN/Body EXT</p> <p>Actuator HA3</p> <p>Manual operator</p> <p>Valve action DIRECT(Air fail open)</p> <p>Gland packing V-PTFE</p> <p>Gasket V544(PTFE), V564(PTFE)</p> <p>Grease</p> <p>Air supply 4.0bar</p> <p>Spring range 0.8-2.4bar</p> <p>< Accesories ></p> <p>Positioner / Signal AVP302-USD2D-1CYT-X</p> <p>Explosion-proof CENELEC Intrinsically safe, 1/4 NPT, 1/2 NPT</p> <p>Signal 4-20 mADC</p> <p>Regurator KZ03-2B-XX</p> <p>Regulator 2</p> <p>Limit Switch</p> <p>Action</p> <p>Solenoid valve with</p> <p>Action</p> <p>Power supply</p> <p>Others</p>	<p>Product no.:</p> <p><Option></p> <p>SV0703-102 Indicating unit : "bar"</p> <p>SV0601-001 Air piping Connection: 1/4 NPT</p> <p>SV0018-005 Oil-free Gr.B (For stainless steel body) and Water-free treatment</p> <p><Finish></p> <p>Body:</p> <p>Diaph. Case:</p> <p>Yoke:</p> <p>Paint:</p>																																																																																																
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Specification Sheet

<p>No.: 10 QTY: 1</p> <p>Tag no. FV-3725</p> <p>Service</p> <p>< Specification ></p> <p>Model HTS</p> <p>Description Top-Guided Single Seated Control Valves</p> <p>Valve size 2 inch</p> <p>Port size 1 inch</p> <p>Rated Cv 10</p> <p>Connection size inch</p> <p>Body rating ANSI300</p> <p>End connection BW</p> <p>Body material A351CF3</p> <p>Trim material SUS316L STELLITE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type PLAIN/Body EXT</p> <p>Actuator HA3</p> <p>Manual operator</p> <p>Valve action DIRECT(Air fail open)</p> <p>Gland packing V-PTFE</p> <p>Gasket V544(PTFE), V564(PTFE)</p> <p>Grease</p> <p>Air supply 4.0bar</p> <p>Spring range 0.8-2.4bar</p> <p>< Accesories ></p> <p>Positioner / Signal AVP302-USD2D-1CYT-X</p> <p>Explosion-proof CENELEC Intrinsically safe, 1/4 NPT, 1/2 NPT</p> <p>Signal 4-20 mADC</p> <p>Regurator KZ03-2B-XX</p> <p>Regulator 2</p> <p>Limit Switch</p> <p>Action</p> <p>Solenoid valve with</p> <p>Action</p> <p>Power supply</p> <p>Others</p>	<p>Product no.:</p> <p><Option></p> <p>SV0703-102 Indicating unit : "bar"</p> <p>SV0601-001 Air piping Connection: 1/4 NPT</p> <p>SV0018-005 Oil-free Gr.B (For stainless steel body) and Water-free treatment</p> <p><Finish></p> <p>Body:</p> <p>Diaph. Case:</p> <p>Yoke:</p> <p>Paint:</p>																																																																																																
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<p>No.: 11 QTY: 1</p> <p>Tag no. FV-3883</p> <p>Service</p> <p>< Specification ></p> <p>Model HTS</p> <p>Description Top-Guided Single Seated Control Valves</p> <p>Valve size 1-1/2 inch</p> <p>Port size 1 inch</p> <p>Rated Cv 10</p> <p>Connection size inch</p> <p>Body rating ANSI300</p> <p>End connection BW</p> <p>Body material A351CF3</p> <p>Trim material SUS316L STELLITE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type PLAIN/Body EXT</p> <p>Actuator HA3</p> <p>Manual operator</p> <p>Valve action REVERSE(Air fail close)</p> <p>Gland packing V-PTFE</p> <p>Gasket V544(PTFE), V564(PTFE)</p> <p>Grease</p> <p>Air supply 2.7bar</p> <p>Spring range 0.8-2.4bar</p> <p>< Accesories ></p> <p>Positioner / Signal AVP302-USD2D-1CYT-X</p> <p>Explosion-proof CENELEC Intrinsically safe, 1/4 NPT, 1/2 NPT</p> <p>Signal 4-20 mADC</p> <p>Regurator KZ03-2B-XX</p> <p>Regulator 2</p> <p>Limit Switch</p> <p>Action</p> <p>Solenoid valve with</p> <p>Action</p> <p>Power supply</p> <p>Others</p>	<p>Product no.:</p> <p><Option></p> <p>SV0703-102 Indicating unit : "bar"</p> <p>SV0601-001 Air piping Connection: 1/4 NPT</p> <p>SV0018-005 Oil-free Gr.B (For stainless steel body) and Water-free treatment</p> <p><Finish></p> <p>Body:</p> <p>Diaph. Case:</p> <p>Yoke:</p> <p>Paint:</p>																																																																												
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<p>No.: 12 QTY: 1</p> <p>Tag no. HV-3381</p> <p>Service</p> <p>< Specification ></p> <p>Model HTS</p> <p>Description Top-Guided Single Seated Control Valves</p> <p>Valve size 2 inch</p> <p>Port size 1-1/2 inch</p> <p>Rated Cv 24</p> <p>Connection size inch</p> <p>Body rating ANSI300</p> <p>End connection BW</p> <p>Body material A351CF3</p> <p>Trim material SUS316L STELLITE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type PLAIN/Body EXT</p> <p>Actuator HA4</p> <p>Manual operator</p> <p>Valve action REVERSE(Air fail close)</p> <p>Gland packing V-PTFE</p> <p>Gasket V544(PTFE), V564(PTFE)</p> <p>Grease</p> <p>Air supply 2.7bar</p> <p>Spring range 0.8-2.4bar</p> <p>< Accesories ></p> <p>Positioner / Signal AVP302-USD2D-1CYN-X</p> <p>Explosion-proof CENELEC Intrinsically safe, 1/4 NPT, 1/2 NPT</p> <p>Signal 4-20 mADC</p> <p>Regurator KZ03-2B-XX</p> <p>Regulator 2</p> <p>Limit Switch</p> <p>Action</p> <p>Solenoid valve with</p> <p>Action</p> <p>Power supply</p> <p>Others</p>	<p>Product no.:</p> <p><Option></p> <p>SV0703-102 Indicating unit : "bar"</p> <p>SV0601-001 Air piping Connection: 1/4 NPT</p> <p>SV0018-005 Oil-free Gr.B (For stainless steel body) and Water-free treatment</p> <p><Finish></p> <p>Body:</p> <p>Diaph. Case:</p> <p>Yoke:</p> <p>Paint:</p>																																																																																												
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Specification Sheet

<p>No.: 13 QTY: 1</p> <p>Tag no. HV-3428</p> <p>Service</p> <p>< Specification ></p> <p>Model HTS</p> <p>Description Top-Guided Single Seated Control Valves</p> <p>Valve size 1-1/2 inch</p> <p>Port size 1 inch</p> <p>Rated Cv 10</p> <p>Connection size inch</p> <p>Body rating ANSI300</p> <p>End connection BW</p> <p>Body material A351CF3M</p> <p>Trim material SUS316L STELLITE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type PLAIN/Body EXT</p> <p>Actuator HA3</p> <p>Manual operator</p> <p>Valve action REVERSE(Air fail close)</p> <p>Gland packing V-PTFE</p> <p>Gasket V544(PTFE), V564(PTFE)</p> <p>Grease</p> <p>Air supply 2.7bar</p> <p>Spring range 0.8-2.4bar</p> <p>< Accesories ></p> <p>Positioner / Signal AVP302-USD2D-1CYT-X</p> <p>Explosion-proof CENELEC Intrinsically safe, 1/4 NPT, 1/2 NPT</p> <p>Signal 4-20 mADC</p> <p>Regurator KZ03-2B-XX</p> <p>Regulator 2</p> <p>Limit Switch</p> <p>Action</p> <p>Solenoid valve with</p> <p>Action</p> <p>Power supply</p> <p>Others</p>	<p>Product no.:</p> <p><Option></p> <p>SV0703-102 Indicating unit : "bar"</p> <p>SV0601-001 Air piping Connection: 1/4 NPT</p> <p>SV0018-005 Oil-free Gr.B (For stainless steel body) and Water-free treatment</p> <p><Finish></p> <p>Body:</p> <p>Diaph. Case:</p> <p>Yoke:</p> <p>Paint:</p>																																																																																																																				
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<p>No.: 14 QTY: 1</p> <p>Tag no. HV-3540</p> <p>Service</p> <p>< Specification ></p> <p>Model HTS</p> <p>Description Top-Guided Single Seated Control Valves</p> <p>Valve size 1-1/2 inch</p> <p>Port size 1-1/2 inch</p> <p>Rated Cv 30</p> <p>Connection size inch</p> <p>Body rating ANSI300</p> <p>End connection BW</p> <p>Body material A351CF3</p> <p>Trim material SUS316L STELLITE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type PLAIN/Body EXT</p> <p>Actuator HA3</p> <p>Manual operator</p> <p>Valve action REVERSE(Air fail close)</p> <p>Gland packing V-PTFE</p> <p>Gasket V544(PTFE), V564(PTFE)</p> <p>Grease</p> <p>Air supply 2.7bar</p> <p>Spring range 0.8-2.4bar</p> <p>< Accesories ></p> <p>Positioner / Signal AVP302-USD2D-1CYT-X</p> <p>Explosion-proof CENELEC Intrinsically safe, 1/4 NPT, 1/2 NPT</p> <p>Signal 4-20 mADC</p> <p>Regurator KZ03-2B-XX</p> <p>Regulator 2</p> <p>Limit Switch</p> <p>Action</p> <p>Solenoid valve with</p> <p>Action</p> <p>Power supply</p> <p>Others</p>	<p>Product no.:</p> <p><Option></p> <p>SV0703-102 Indicating unit : "bar"</p> <p>SV0601-001 Air piping Connection: 1/4 NPT</p> <p>SV0018-005 Oil-free Gr.B (For stainless steel body) and Water-free treatment</p> <p><Finish></p> <p>Body:</p> <p>Diaph. Case:</p> <p>Yoke:</p> <p>Paint:</p>																																																												
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<p>No.: 15 QTY: 1</p> <p>Tag no. LV-3316</p> <p>Service</p> <p>< Specification ></p> <p>Model HTS</p> <p>Description Top-Guided Single Seated Control Valves</p> <p>Valve size 3 inch</p> <p>Port size 2-1/2 inch</p> <p>Rated Cv 68</p> <p>Connection size inch</p> <p>Body rating ANSI300</p> <p>End connection BW</p> <p>Body material A351CF3</p> <p>Trim material SUS316L STELLITE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type PLAIN/Body EXT</p> <p>Actuator HA4</p> <p>Manual operator</p> <p>Valve action REVERSE(Air fail close)</p> <p>Gland packing V-PTFE</p> <p>Gasket V544(PTFE), V564(PTFE)</p> <p>Grease</p> <p>Air supply 2.7bar</p> <p>Spring range 0.8-2.4bar</p> <p>< Accesories ></p> <p>Positioner / Signal AVP302-USD2D-1CYT-X</p> <p>Explosion-proof CENELEC Intrinsically safe, 1/4 NPT, 1/2 NPT</p> <p>Signal 4-20 mADC</p> <p>Regurator KZ03-2B-XX</p> <p>Regulator 2</p> <p>Limit Switch</p> <p>Action</p> <p>Solenoid valve with</p> <p>Action</p> <p>Power supply</p> <p>Others</p>	<p>Product no.:</p> <p><Option></p> <p>SV0703-102 Indicating unit : "bar"</p> <p>SV0601-001 Air piping Connection: 1/4 NPT</p> <p>SV0018-005 Oil-free Gr.B (For stainless steel body) and Water-free treatment</p> <p><Finish></p> <p>Body:</p> <p>Diaph. Case:</p> <p>Yoke:</p> <p>Paint:</p>																																																																																												
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Specification Sheet

<p>No.: 16 QTY: 1</p> <p>Tag no. LV-3420</p> <p>Service</p> <p>< Specification ></p> <p>Model HTS</p> <p>Description Top-Guided Single Seated Control Valves</p> <p>Valve size 3 inch</p> <p>Port size 1-1/4 inch</p> <p>Rated Cv 17</p> <p>Connection size inch</p> <p>Body rating ANSI300</p> <p>End connection BW</p> <p>Body material A351CF3M</p> <p>Trim material SUS316L STELLITE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type PLAIN/Body EXT</p> <p>Actuator HA3</p> <p>Manual operator</p> <p>Valve action REVERSE(Air fail close)</p> <p>Gland packing V-PTFE</p> <p>Gasket V544(PTFE), V564(PTFE)</p> <p>Grease</p> <p>Air supply 2.7bar</p> <p>Spring range 0.8-2.4bar</p> <p>< Accesories ></p> <p>Positioner / Signal AVP302-USD2D-1CYT-X</p> <p style="padding-left: 20px;">Explosion-proof CENELEC Intrinsically safe, 1/4 NPT, 1/2 NPT</p> <p style="padding-left: 20px;">Signal 4-20 mADC</p> <p>Regurator KZ03-2B-XX</p> <p>Regulator 2</p> <p>Limit Switch</p> <p style="padding-left: 20px;">Action</p> <p>Solenoid valve with</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>SV0703-102 Indicating unit : "bar"</p> <p>SV0601-001 Air piping Connection: 1/4 NPT</p> <p>SV0018-005 Oil-free Gr.B (For stainless steel body) and Water-free treatment</p> <p><Finish></p> <p>Body:</p> <p>Diaph. Case:</p> <p>Yoke:</p> <p>Paint:</p>																																																																																																
<p><Operating condition></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Fluid name</td> <td style="width: 20%;">SGL1 from V303toV301</td> <td style="width: 10%;"></td> <td style="width: 10%;">[FLASH]</td> <td style="width: 45%;"></td> </tr> <tr> <td></td> <td>MAX</td> <td>NOR</td> <td>MIN</td> <td>UNIT</td> </tr> <tr> <td>Flow rate</td> <td>32932</td> <td>26485</td> <td>6571</td> <td>l/h</td> </tr> <tr> <td>Inlet pressure</td> <td>23.85</td> <td>23.86</td> <td>23.85</td> <td>barA</td> </tr> <tr> <td>Outlet pressure</td> <td>10.82</td> <td>9.42</td> <td>7.22</td> <td>barA</td> </tr> <tr> <td>Diff. pressure</td> <td></td> <td></td> <td></td> <td>bar</td> </tr> <tr> <td>Shut-off press.</td> <td></td> <td>30</td> <td></td> <td>bar</td> </tr> <tr> <td>Temperature</td> <td>-180</td> <td>-180</td> <td>-180</td> <td>degC</td> </tr> <tr> <td>Sp.Gr. (liq.)</td> <td>0.626</td> <td>0.613</td> <td>0.630</td> <td>water=1</td> </tr> <tr> <td>Sp.Gr.(gas,vapor)</td> <td>1</td> <td>0.98</td> <td>1</td> <td>kg/m3[N]</td> </tr> <tr> <td>Viscosity</td> <td></td> <td></td> <td></td> <td>cP</td> </tr> <tr> <td>Flash</td> <td>2.98</td> <td>2.88</td> <td>3.5</td> <td>%</td> </tr> <tr> <td>Velocity</td> <td>2</td> <td>1.61</td> <td>0.4</td> <td>m/s</td> </tr> <tr> <td>S.P.L.</td> <td>71</td> <td>71</td> <td>67</td> <td>dBA</td> </tr> <tr> <td>Calculated Cv</td> <td>9.01</td> <td>6.829</td> <td>1.642</td> <td></td> </tr> <tr> <td>Travel</td> <td>78</td> <td>70</td> <td>36</td> <td>%</td> </tr> </table>	Fluid name	SGL1 from V303toV301		[FLASH]			MAX	NOR	MIN	UNIT	Flow rate	32932	26485	6571	l/h	Inlet pressure	23.85	23.86	23.85	barA	Outlet pressure	10.82	9.42	7.22	barA	Diff. pressure				bar	Shut-off press.		30		bar	Temperature	-180	-180	-180	degC	Sp.Gr. (liq.)	0.626	0.613	0.630	water=1	Sp.Gr.(gas,vapor)	1	0.98	1	kg/m3[N]	Viscosity				cP	Flash	2.98	2.88	3.5	%	Velocity	2	1.61	0.4	m/s	S.P.L.	71	71	67	dBA	Calculated Cv	9.01	6.829	1.642		Travel	78	70	36	%	<p><Seat Leakage></p> <p>CLASS IV-S1 (SV0201-009)</p> <p><Note> Tokumi -</p> <p>Air piping: Stainless steel (316ss)</p> <p><Line spec></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Design press.</td> <td style="width: 20%;">30</td> <td style="width: 20%;"></td> <td style="width: 40%;">barG</td> </tr> <tr> <td>Design temp.</td> <td>-196 ~65</td> <td></td> <td>degC</td> </tr> <tr> <td>Line size in/out</td> <td>6</td> <td>3</td> <td>inch</td> </tr> <tr> <td>Line Sch. / Thick.</td> <td></td> <td>3.05</td> <td>mm</td> </tr> </table>	Design press.	30		barG	Design temp.	-196 ~65		degC	Line size in/out	6	3	inch	Line Sch. / Thick.		3.05	mm
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<p>No.: 17 QTY: 1</p> <p>Tag no. LV-3421</p> <p>Service</p> <p>< Specification ></p> <p>Model HTS</p> <p>Description Top-Guided Single Seated Control Valves</p> <p>Valve size 3 inch</p> <p>Port size 1-1/2 inch</p> <p>Rated Cv 24</p> <p>Connection size inch</p> <p>Body rating ANSI300</p> <p>End connection BW</p> <p>Body material A351CF3M</p> <p>Trim material SUS316L STELLITE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type PLAIN/Body EXT</p> <p>Actuator HA4</p> <p>Manual operator</p> <p>Valve action REVERSE(Air fail close)</p> <p>Gland packing V-PTFE</p> <p>Gasket V544(PTFE), V564(PTFE)</p> <p>Grease</p> <p>Air supply 2.7bar</p> <p>Spring range 0.8-2.4bar</p> <p>< Accesories ></p> <p>Positioner / Signal AVP302-USD2D-1CYT-X</p> <p>Explosion-proof CENELEC Intrinsically safe, 1/4 NPT, 1/2 NPT</p> <p>Signal 4-20 mADC</p> <p>Regurator KZ03-2B-XX</p> <p>Regulator 2</p> <p>Limit Switch</p> <p>Action</p> <p>Solenoid valve with</p> <p>Action</p> <p>Power supply</p> <p>Others</p>	<p>Product no.:</p> <p><Option></p> <p>SV0703-102 Indicating unit : "bar"</p> <p>SV0601-001 Air piping Connection: 1/4 NPT</p> <p>SV0018-005 Oil-free Gr.B (For stainless steel body) and Water-free treatment</p> <p><Finish></p> <p>Body:</p> <p>Diaph. Case:</p> <p>Yoke:</p> <p>Paint:</p>																																																																																												
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<p>No.: 18 QTY: 1</p> <p>Tag no. LV-3422</p> <p>Service</p> <p>< Specification ></p> <p>Model HTS</p> <p>Description Top-Guided Single Seated Control Valves</p> <p>Valve size 1-1/2 inch</p> <p>Port size 1 inch</p> <p>Rated Cv 10</p> <p>Connection size inch</p> <p>Body rating ANSI300</p> <p>End connection BW</p> <p>Body material A351CF3</p> <p>Trim material SUS316L STELLITE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type PLAIN/Body EXT</p> <p>Actuator HA3</p> <p>Manual operator</p> <p>Valve action REVERSE(Air fail close)</p> <p>Gland packing V-PTFE</p> <p>Gasket V544(PTFE), V564(PTFE)</p> <p>Grease</p> <p>Air supply 2.7bar</p> <p>Spring range 0.8-2.4bar</p> <p>< Accesories ></p> <p>Positioner / Signal AVP302-USD2D-1CYT-X</p> <p>Explosion-proof CENELEC Intrinsically safe, 1/4 NPT, 1/2 NPT</p> <p>Signal 4-20 mADC</p> <p>Regurator KZ03-2B-XX</p> <p>Regulator 2</p> <p>Limit Switch</p> <p>Action</p> <p>Solenoid valve with</p> <p>Action</p> <p>Power supply</p> <p>Others</p>	<p>Product no.:</p> <p><Option></p> <p>SV0703-102 Indicating unit : "bar"</p> <p>SV0601-001 Air piping Connection: 1/4 NPT</p> <p>SV0018-005 Oil-free Gr.B (For stainless steel body) and Water-free treatment</p> <p><Finish></p> <p>Body:</p> <p>Diaph. Case:</p> <p>Yoke:</p> <p>Paint:</p>																																																																																												
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Specification Sheet

<p>No.: 19 QTY: 1</p> <p>Tag no. LV-3423A</p> <p>Service</p> <p>< Specification ></p> <p>Model HTS</p> <p>Description Top-Guided Single Seated Control Valves</p> <p>Valve size 3 inch</p> <p>Port size 2 inch</p> <p>Rated Cv 44</p> <p>Connection size inch</p> <p>Body rating ANSI300</p> <p>End connection BW</p> <p>Body material A351CF3M</p> <p>Trim material SUS316L STELLITE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type PLAIN/Body EXT</p> <p>Actuator HA4</p> <p>Manual operator</p> <p>Valve action REVERSE(Air fail close)</p> <p>Gland packing V-PTFE</p> <p>Gasket V544(PTFE), V564(PTFE)</p> <p>Grease</p> <p>Air supply 2.7bar</p> <p>Spring range 0.8-2.4bar</p> <p>< Accesories ></p> <p>Positioner / Signal AVP302-USD2D-1CYT-X</p> <p>Explosion-proof CENELEC Intrinsically safe, 1/4 NPT, 1/2 NPT</p> <p>Signal 4-20 mADC</p> <p>Regurator KZ03-2B-XX</p> <p>Regulator 2</p> <p>Limit Switch</p> <p>Action</p> <p>Solenoid valve with</p> <p>Action</p> <p>Power supply</p> <p>Others</p>	<p>Product no.:</p> <p><Option></p> <p>SV0703-102 Indicating unit : "bar"</p> <p>SV0601-001 Air piping Connection: 1/4 NPT</p> <p>SV0018-005 Oil-free Gr.B (For stainless steel body) and Water-free treatment</p> <p><Finish></p> <p>Body:</p> <p>Diaph. Case:</p> <p>Yoke:</p> <p>Paint:</p>																																																																																												
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<p>No.: 20 QTY: 1</p> <p>Tag no. LV-3423B</p> <p>Service</p> <p>< Specification ></p> <p>Model HTS</p> <p>Description Top-Guided Single Seated Control Valves</p> <p>Valve size 2 inch</p> <p>Port size 1-1/2 inch</p> <p>Rated Cv 24</p> <p>Connection size inch</p> <p>Body rating ANSI300</p> <p>End connection BW</p> <p>Body material A351CF3M</p> <p>Trim material SUS316L STELLITE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type PLAIN/Body EXT</p> <p>Actuator HA3</p> <p>Manual operator</p> <p>Valve action REVERSE(Air fail close)</p> <p>Gland packing V-PTFE</p> <p>Gasket V544(PTFE), V564(PTFE)</p> <p>Grease</p> <p>Air supply 2.7bar</p> <p>Spring range 0.8-2.4bar</p> <p>< Accesories ></p> <p>Positioner / Signal AVP302-USD2D-1CYT-X</p> <p>Explosion-proof CENELEC Intrinsically safe, 1/4 NPT, 1/2 NPT</p> <p>Signal 4-20 mADC</p> <p>Regurator KZ03-2B-XX</p> <p>Regulator 2</p> <p>Limit Switch</p> <p>Action</p> <p>Solenoid valve with</p> <p>Action</p> <p>Power supply</p> <p>Others</p>	<p>Product no.:</p> <p><Option></p> <p>SV0703-102 Indicating unit : "bar"</p> <p>SV0601-001 Air piping Connection: 1/4 NPT</p> <p>SV0018-005 Oil-free Gr.B (For stainless steel body) and Water-free treatment</p> <p><Finish></p> <p>Body:</p> <p>Diaph. Case:</p> <p>Yoke:</p> <p>Paint:</p>																																																																																												
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<p>No.: 21 QTY: 1</p> <p>Tag no. PV-3406A</p> <p>Service</p> <p>< Specification ></p> <p>Model HLS</p> <p>Description Small-Port Single Seated Control Valves</p> <p>Valve size 1 inch</p> <p>Port size Cv=10 inch</p> <p>Rated Cv 10</p> <p>Connection size inch</p> <p>Body rating ANSI300</p> <p>End connection BW</p> <p>Body material A351CF3M</p> <p>Trim material SUS316L STELLITE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type PLAIN/Body EXT</p> <p>Actuator HA2</p> <p>Manual operator</p> <p>Valve action REVERSE(Air fail close)</p> <p>Gland packing V-PTFE</p> <p>Gasket V544(PTFE), V564(PTFE)</p> <p>Grease</p> <p>Air supply 2.7bar</p> <p>Spring range 0.8-2.4bar</p> <p>< Accesories ></p> <p>Positioner / Signal AVP302-USD2D-1CYT-X</p> <p>Explosion-proof CENELEC Intrinsically safe, 1/4 NPT, 1/2 NPT</p> <p>Signal 4-20 mADC</p> <p>Regurator KZ03-2B-XX</p> <p>Regulator 2</p> <p>Limit Switch</p> <p>Action</p> <p>Solenoid valve with</p> <p>Action</p> <p>Power supply</p> <p>Others</p>	<p>Product no.:</p> <p><Option></p> <p>SV0703-102 Indicating unit : "bar"</p> <p>SV0601-001 Air piping Connection: 1/4 NPT</p> <p>SV0018-005 Oil-free Gr.B (For stainless steel body) and Water-free treatment</p> <p><Finish></p> <p>Body:</p> <p>Diaph. Case:</p> <p>Yoke:</p> <p>Paint:</p>																																																																																												
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Specification Sheet

<p>No.: 22 QTY: 1</p> <p>Tag no. PV-3406B</p> <p>Service</p> <p>< Specification ></p> <p>Model HTS</p> <p>Description Top-Guided Single Seated Control Valves</p> <p>Valve size 4 inch</p> <p>Port size 4 inch</p> <p>Rated Cv 175</p> <p>Connection size inch</p> <p>Body rating ANSI300</p> <p>End connection BW</p> <p>Body material A351CF3M</p> <p>Trim material SUS316L STELLITE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type EXTENTION-2W</p> <p>Actuator PSA6</p> <p>Manual operator</p> <p>Valve action REVERSE(Air fail close)</p> <p>Gland packing V-PTFE</p> <p>Gasket V544(PTFE), V564(PTFE)</p> <p>Grease</p> <p>Air supply 4.0bar</p> <p>Spring range 2.0-3.4bar</p> <p>< Accesories ></p> <p>Positioner / Signal AVP302-USD3D-1CYL-X</p> <p>Explosion-proof CENELEC Intrinsically safe, 1/4 NPT, 1/2 NPT</p> <p>Signal 4-20 mADC</p> <p>Regurator KZ03-2B-XX</p> <p>Regulator 2</p> <p>Limit Switch</p> <p>Action</p> <p>Solenoid valve with</p> <p>Action</p> <p>Power supply</p> <p>Others</p>	<p>Product no.:</p> <p><Option></p> <p>SV0703-102 Indicating unit : "bar"</p> <p>SV0601-001 Air piping Connection: 1/4 NPT</p> <p>SV0018-005 Oil-free Gr.B (For stainless steel body) and Water-free treatment</p> <p><Finish></p> <p>Body:</p> <p>Diaph. Case:</p> <p>Yoke:</p> <p>Paint:</p>																																																																																																
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<p>No.: 23 QTY: 1</p> <p>Tag no. PV-3531A</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 inch</p> <p>Body rating ANSI300</p> <p>End connection BW</p> <p>Body material A351CF3</p> <p>Trim material SUS316L STELLITE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type EXTENTION-2W</p> <p>Actuator HA4</p> <p>Manual operator</p> <p>Valve action REVERSE(Air fail close)</p> <p>Gland packing V-PTFE</p> <p>Gasket V544(PTFE), V564(PTFE)</p> <p>Grease</p> <p>Air supply 2.7bar</p> <p>Spring range 0.8-2.4bar</p> <p>< Accesories ></p> <p>Positioner / Signal AVP302-USD2D-1CYN-X</p> <p>Explosion-proof CENELEC Intrinsically safe, 1/4 NPT, 1/2 NPT</p> <p>Signal 4-20 mADC</p> <p>Regurator KZ03-2B-XX</p> <p>Regulator 2</p> <p>Limit Switch</p> <p>Action</p> <p>Solenoid valve with</p> <p>Action</p> <p>Power supply</p> <p>Others</p>	<p>Product no.:</p> <p><Option></p> <p>SV0703-102 Indicating unit : "bar"</p> <p>SV0601-001 Air piping Connection: 1/4 NPT</p> <p>SV0210 High differential pressure trim for HTS Valve</p> <p>SV0018-005 Oil-free Gr.B (For stainless steel body) and Water-free treatment</p> <p><Finish></p> <p>Body:</p> <p>Diaph. Case:</p> <p>Yoke:</p> <p>Paint:</p>																																																																																												
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Specification Sheet

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Specification Sheet

<p>No.: 25 QTY: 1</p> <p>Tag no. TDV-3510(FLASH CV Calculation)</p> <p>Service</p> <p>< Specification ></p> <p>Model HTS</p> <p>Description Top-Guided Single Seated Control Valves</p> <p>Valve size 1-1/2 inch</p> <p>Port size 1-1/4 inch</p> <p>Rated Cv 17</p> <p>Connection size inch</p> <p>Body rating ANSI300</p> <p>End connection BW</p> <p>Body material</p> <p>Trim material</p> <p>Flow characteristic EQ%</p> <p>Bonnet type</p> <p>Actuator</p> <p>Manual operator</p> <p>Valve action</p> <p>Gland packing</p> <p>Gasket</p> <p>Grease</p> <p>Air supply</p> <p>Spring range</p> <p>< Accesories ></p> <p>Positioner / Signal</p> <p style="padding-left: 20px;">Explosion-proof</p> <p style="padding-left: 20px;">Signal On-Off action</p> <p>Regurator</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>SV0703-102 Indicating unit : "bar"</p> <p>SV0601-001 Air piping Connection: 1/4 NPT</p> <p>SV0018-005 Oil-free Gr.B (For stainless steel body) and Water-free treatment</p> <p><Finish></p> <p>Body:</p> <p>Diaph. Case:</p> <p>Yoke:</p> <p>Paint:</p>																																																																																																
<p><Operating condition></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Fluid name</td> <td style="width: 30%;">Liquid N2to E-304</td> <td style="width: 10%;"></td> <td style="width: 10%;">[FLASH]</td> <td style="width: 35%;"></td> </tr> <tr> <td></td> <td>MAX</td> <td>NOR</td> <td>MIN</td> <td>UNIT</td> </tr> <tr> <td>Flow rate</td> <td>2435</td> <td></td> <td></td> <td>l/h</td> </tr> <tr> <td>Inlet pressure</td> <td>5.5</td> <td></td> <td></td> <td>barA</td> </tr> <tr> <td>Outlet pressure</td> <td>1.27</td> <td></td> <td></td> <td>barA</td> </tr> <tr> <td>Diff. pressure</td> <td></td> <td></td> <td></td> <td>bar</td> </tr> <tr> <td>Shut-off press.</td> <td></td> <td>17</td> <td></td> <td>bar</td> </tr> <tr> <td>Temperature</td> <td>-178</td> <td></td> <td></td> <td>degC</td> </tr> <tr> <td>Sp.Gr. (liq.)</td> <td>0.803</td> <td></td> <td></td> <td>water=1</td> </tr> <tr> <td>Sp.Gr.(gas,vapor)</td> <td>1.25</td> <td></td> <td></td> <td>kg/m3[N]</td> </tr> <tr> <td>Viscosity</td> <td></td> <td></td> <td></td> <td>cP</td> </tr> <tr> <td>Flash</td> <td>18.1</td> <td></td> <td></td> <td>%</td> </tr> <tr> <td>Velocity</td> <td>0.59</td> <td></td> <td></td> <td>m/s</td> </tr> <tr> <td>S.P.L.</td> <td>57</td> <td></td> <td></td> <td>dBA</td> </tr> <tr> <td>Calculated Cv</td> <td>3.069</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Travel</td> <td>50</td> <td></td> <td></td> <td>%</td> </tr> </table>	Fluid name	Liquid N2to E-304		[FLASH]			MAX	NOR	MIN	UNIT	Flow rate	2435			l/h	Inlet pressure	5.5			barA	Outlet pressure	1.27			barA	Diff. pressure				bar	Shut-off press.		17		bar	Temperature	-178			degC	Sp.Gr. (liq.)	0.803			water=1	Sp.Gr.(gas,vapor)	1.25			kg/m3[N]	Viscosity				cP	Flash	18.1			%	Velocity	0.59			m/s	S.P.L.	57			dBA	Calculated Cv	3.069				Travel	50			%	<p><Seat Leakage></p> <p><Note> Tokumi -</p> <p><Line spec></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Design press.</td> <td style="width: 30%;">17</td> <td style="width: 30%;"></td> <td style="width: 10%;">barG</td> </tr> <tr> <td>Design temp.</td> <td>-196 ~65</td> <td></td> <td>degC</td> </tr> <tr> <td>Line size in/out</td> <td></td> <td></td> <td>inch</td> </tr> <tr> <td>Line Sch. / Thick.</td> <td></td> <td></td> <td>mm</td> </tr> </table>	Design press.	17		barG	Design temp.	-196 ~65		degC	Line size in/out			inch	Line Sch. / Thick.			mm
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