

Specification Sheet

<p>No.: 1 QTY: 1</p> <p>Tag no. FV-3313</p> <p>Service</p> <p>< Specification ></p> <p>Model AGVM</p> <p>Description Top-Guided Single-Seat Control Valves</p> <p>Valve size 1-1/2 inch</p> <p>Port size 1 inch</p> <p>Rated Cv 14</p> <p>Connection size inch</p> <p>Body rating ANSI300</p> <p>End connection BW</p> <p>Body material A351CF8</p> <p>Trim material SUS316L STELLITE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type EXTENTION-2</p> <p>Actuator PSA2</p> <p>Manual operator</p> <p>Valve action REVERSE(Air fail close)</p> <p>Gland packing V-PTFE</p> <p>Gasket spiral, V563(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-1CYS-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.: 3 QTY: 1</p> <p>Tag no. FV-3331B</p> <p>Service</p> <p>< Specification ></p> <p>Model AGVM</p> <p>Description Top-Guided Single-Seat Control Valves</p> <p>Valve size 2 inch</p> <p>Port size 1-1/2 inch</p> <p>Rated Cv 21</p> <p>Connection size inch</p> <p>Body rating ANSI300</p> <p>End connection BW</p> <p>Body material A351CF8</p> <p>Trim material SUS316L STELLITE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type PLAIN</p> <p>Actuator PSA4</p> <p>Manual operator</p> <p>Valve action REVERSE(Air fail close)</p> <p>Gland packing V-PTFE</p> <p>Gasket V543(PTFE), V563(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-1CYQ-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 AGVM</p> <p>Description Top-Guided Single-Seat 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 A351CF8</p> <p>Trim material SUS316L STELLITE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type EXTENTION-2</p> <p>Actuator PSA1</p> <p>Manual operator</p> <p>Valve action REVERSE(Air fail close)</p> <p>Gland packing V-PTFE</p> <p>Gasket spiral, V563(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-1CYS-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.: 5 QTY: 1</p> <p>Tag no. FV-3401</p> <p>Service</p> <p>< Specification ></p> <p>Model AGVM</p> <p>Description Top-Guided Single-Seat Control Valves</p> <p>Valve size 3 inch</p> <p>Port size 3 inch</p> <p>Rated Cv 115</p> <p>Connection size inch</p> <p>Body rating ANSI300</p> <p>End connection BW</p> <p>Body material A351CF8</p> <p>Trim material SUS316L STELLITE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type EXTENTION-2</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 spiral, V563(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 mA DC</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 AGVM</p> <p>Description Top-Guided Single-Seat Control Valves</p> <p>Valve size 1 inch</p> <p>Port size Cv=2.5 inch</p> <p>Rated Cv 2.5</p> <p>Connection size inch</p> <p>Body rating ANSI300</p> <p>End connection BW</p> <p>Body material A351CF8</p> <p>Trim material SUS316L STELLITE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type EXTENTION-2</p> <p>Actuator PSA1</p> <p>Manual operator</p> <p>Valve action REVERSE(Air fail close)</p> <p>Gland packing V-PTFE</p> <p>Gasket spiral, V563(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-1CYS-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 AGVM</p> <p>Description Top-Guided Single-Seat Control Valves</p> <p>Valve size 2 inch</p> <p>Port size 2 inch</p> <p>Rated Cv 50</p> <p>Connection size inch</p> <p>Body rating ANSI300</p> <p>End connection BW</p> <p>Body material A351CF8</p> <p>Trim material SUS316L STELLITE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type EXTENTION-2</p> <p>Actuator PSA2</p> <p>Manual operator</p> <p>Valve action REVERSE(Air fail close)</p> <p>Gland packing V-PTFE</p> <p>Gasket spiral, V563(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-1CYS-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 AGVM</p> <p>Description Top-Guided Single-Seat Control Valves</p> <p>Valve size 3 inch</p> <p>Port size 3 inch</p> <p>Rated Cv 115</p> <p>Connection size inch</p> <p>Body rating ANSI300</p> <p>End connection BW</p> <p>Body material A351CF8M</p> <p>Trim material SUS316L STELLITE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type EXTENTION-2</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 spiral, V563(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.: 10 QTY: 1</p> <p>Tag no. FV-3725</p> <p>Service</p> <p>< Specification ></p> <p>Model AGVM</p> <p>Description Top-Guided Single-Seat Control Valves</p> <p>Valve size 2 inch</p> <p>Port size 1-1/4 inch</p> <p>Rated Cv 14</p> <p>Connection size inch</p> <p>Body rating ANSI300</p> <p>End connection BW</p> <p>Body material A351CF8</p> <p>Trim material SUS316L STELLITE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type EXTENTION-2</p> <p>Actuator PSA2</p> <p>Manual operator</p> <p>Valve action DIRECT(Air fail open)</p> <p>Gland packing V-PTFE</p> <p>Gasket spiral, V563(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-USD3D-1CYS-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;"> <thead> <tr> <th style="text-align: left;">Fluid name</th> <th style="text-align: left;">P-301A/B miniflow</th> <th style="text-align: left;">[</th> <th style="text-align: left;">LIQUID</th> <th style="text-align: left;">]</th> </tr> <tr> <th></th> <th style="text-align: left;">MAX</th> <th style="text-align: left;">NOR</th> <th style="text-align: left;">MIN</th> <th style="text-align: left;">UNIT</th> </tr> </thead> <tbody> <tr> <td>Flow rate</td> <td></td> <td>15323</td> <td></td> <td>l/h</td> </tr> <tr> <td>Inlet pressure</td> <td></td> <td>25.53</td> <td></td> <td>barA</td> </tr> <tr> <td>Outlet pressure</td> <td></td> <td>2.68</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>39</td> <td></td> <td>bar</td> </tr> <tr> <td>Temperature</td> <td></td> <td>-144.7</td> <td></td> <td>degC</td> </tr> <tr> <td>Sp.Gr. (liq.)</td> <td></td> <td>0.554</td> <td></td> <td>water=1</td> </tr> <tr> <td>Sp.Gr.(gas,vapor)</td> <td></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></td> <td></td> <td></td> <td>%</td> </tr> <tr> <td>Velocity</td> <td></td> <td>2.1</td> <td></td> <td>m/s</td> </tr> <tr> <td>S.P.L.</td> <td></td> <td>81</td> <td></td> <td>dBa</td> </tr> <tr> <td>Calculated Cv</td> <td></td> <td>2.758</td> <td></td> <td></td> </tr> <tr> <td>Travel</td> <td></td> <td>56</td> <td></td> <td>%</td> </tr> </tbody> </table>	Fluid name	P-301A/B miniflow	[LIQUID]		MAX	NOR	MIN	UNIT	Flow rate		15323		l/h	Inlet pressure		25.53		barA	Outlet pressure		2.68		barA	Diff. pressure				bar	Shut-off press.		39		bar	Temperature		-144.7		degC	Sp.Gr. (liq.)		0.554		water=1	Sp.Gr.(gas,vapor)				kg/m3[N]	Viscosity				cP	Flash				%	Velocity		2.1		m/s	S.P.L.		81		dBa	Calculated Cv		2.758			Travel		56		%	<p><Seat Leakage></p> <p>CLASS IV-S1 (SV0201-009)</p> <p><Note> Tokumi -</p> <p>Air piping: Stainless steel (316ss) with Diffuser</p> <p><Line spec></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td>Design press.</td> <td>39</td> <td></td> <td>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>4</td> <td>4</td> <td>inch</td> </tr> <tr> <td>Line Sch. / Thick.</td> <td>10S</td> <td>3.05</td> <td>mm</td> </tr> </table>	Design press.	39		barG	Design temp.	-196 ~65		degC	Line size in/out	4	4	inch	Line Sch. / Thick.	10S	3.05	mm
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<p>No.: 11 QTY: 1</p> <p>Tag no. FV-3883</p> <p>Service</p> <p>< Specification ></p> <p>Model AGVM</p> <p>Description Top-Guided Single-Seat 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 A351CF8</p> <p>Trim material SUS316L STELLITE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type EXTENTION-2</p> <p>Actuator PSA2</p> <p>Manual operator</p> <p>Valve action REVERSE(Air fail close)</p> <p>Gland packing V-PTFE</p> <p>Gasket spiral, V563(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-1CYS-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.: 13 QTY: 1</p> <p>Tag no. HV-3428</p> <p>Service</p> <p>< Specification ></p> <p>Model AGVM</p> <p>Description Top-Guided Single-Seat Control Valves</p> <p>Valve size 1-1/2 inch</p> <p>Port size 1 inch</p> <p>Rated Cv 14</p> <p>Connection size inch</p> <p>Body rating ANSI300</p> <p>End connection BW</p> <p>Body material A351CF8M</p> <p>Trim material SUS316L STELLITE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type EXTENTION-2</p> <p>Actuator PSA2</p> <p>Manual operator</p> <p>Valve action REVERSE(Air fail close)</p> <p>Gland packing V-PTFE</p> <p>Gasket spiral, V563(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-1CYS-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.: 14 QTY: 1</p> <p>Tag no. HV-3540</p> <p>Service</p> <p>< Specification ></p> <p>Model AGVM</p> <p>Description Top-Guided Single-Seat 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 A351CF8</p> <p>Trim material SUS316L STELLITE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type EXTENTION-2</p> <p>Actuator PSA3</p> <p>Manual operator</p> <p>Valve action REVERSE(Air fail close)</p> <p>Gland packing V-PTFE</p> <p>Gasket spiral, V563(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-1CYQ-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 AGVM</p> <p>Description Top-Guided Single-Seat Control Valves</p> <p>Valve size 3 inch</p> <p>Port size 2-1/2 inch</p> <p>Rated Cv 85</p> <p>Connection size inch</p> <p>Body rating ANSI300</p> <p>End connection BW</p> <p>Body material A351CF8</p> <p>Trim material SUS316L STELLITE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type EXTENTION-2</p> <p>Actuator PSA3</p> <p>Manual operator</p> <p>Valve action REVERSE(Air fail close)</p> <p>Gland packing V-PTFE</p> <p>Gasket spiral, V563(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-1CYQ-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.: 17 QTY: 1</p> <p>Tag no. LV-3421</p> <p>Service</p> <p>< Specification ></p> <p>Model AGVM</p> <p>Description Top-Guided Single-Seat Control Valves</p> <p>Valve size 3 inch</p> <p>Port size 2 inch</p> <p>Rated Cv 50</p> <p>Connection size inch</p> <p>Body rating ANSI300</p> <p>End connection BW</p> <p>Body material A351CF8M</p> <p>Trim material SUS316L STELLITE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type EXTENTION-2</p> <p>Actuator PSA4</p> <p>Manual operator</p> <p>Valve action REVERSE(Air fail close)</p> <p>Gland packing V-PTFE</p> <p>Gasket spiral, V563(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-1CYQ-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 AGVM</p> <p>Description Top-Guided Single-Seat 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 A351CF8</p> <p>Trim material SUS316L STELLITE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type EXTENTION-2</p> <p>Actuator PSA2</p> <p>Manual operator</p> <p>Valve action REVERSE(Air fail close)</p> <p>Gland packing V-PTFE</p> <p>Gasket spiral, V563(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-1CYS-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.: 19 QTY: 1</p> <p>Tag no. LV-3423A</p> <p>Service</p> <p>< Specification ></p> <p>Model AGVM</p> <p>Description Top-Guided Single-Seat Control Valves</p> <p>Valve size 3 inch</p> <p>Port size 2 inch</p> <p>Rated Cv 50</p> <p>Connection size inch</p> <p>Body rating ANSI300</p> <p>End connection BW</p> <p>Body material A351CF8M</p> <p>Trim material SUS316L STELLITE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type EXTENTION-2</p> <p>Actuator PSA3</p> <p>Manual operator</p> <p>Valve action REVERSE(Air fail close)</p> <p>Gland packing V-PTFE</p> <p>Gasket spiral, V563(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-1CYQ-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.: 20 QTY: 1</p> <p>Tag no. LV-3423B</p> <p>Service</p> <p>< Specification ></p> <p>Model AGVM</p> <p>Description Top-Guided Single-Seat Control Valves</p> <p>Valve size 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 A351CF8M</p> <p>Trim material SUS316L STELLITE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type EXTENTION-2</p> <p>Actuator PSA2</p> <p>Manual operator</p> <p>Valve action REVERSE(Air fail close)</p> <p>Gland packing V-PTFE</p> <p>Gasket spiral, V563(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-1CYS-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;"> <thead> <tr> <th style="text-align: left;">Fluid name</th> <th colspan="3">SGL5 toE302</th> <th>[LIQUID]</th> </tr> <tr> <th></th> <th>MAX</th> <th>NOR</th> <th>MIN</th> <th>UNIT</th> </tr> </thead> <tbody> <tr> <td>Flow rate</td> <td>27190</td> <td>22583</td> <td>10794</td> <td>l/h</td> </tr> <tr> <td>Inlet pressure</td> <td>7.99</td> <td>8.6</td> <td>8.42</td> <td>barA</td> </tr> <tr> <td>Outlet pressure</td> <td>2.8</td> <td>2.8</td> <td>2.8</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>13</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>0.594</td> <td>0.577</td> <td>0.55</td> <td>water=1</td> </tr> <tr> <td>Sp.Gr.(gas,vapor)</td> <td></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></td> <td></td> <td></td> <td>%</td> </tr> <tr> <td>Velocity</td> <td>3.72</td> <td>3.09</td> <td>1.48</td> <td>m/s</td> </tr> <tr> <td>S.P.L.</td> <td>79</td> <td>78</td> <td>75</td> <td>dBA</td> </tr> <tr> <td>Calculated Cv</td> <td>10.63</td> <td>8.234</td> <td>3.903</td> <td></td> </tr> <tr> <td>Travel</td> <td>66</td> <td>61</td> <td>45</td> <td>%</td> </tr> </tbody> </table>	Fluid name	SGL5 toE302			[LIQUID]		MAX	NOR	MIN	UNIT	Flow rate	27190	22583	10794	l/h	Inlet pressure	7.99	8.6	8.42	barA	Outlet pressure	2.8	2.8	2.8	barA	Diff. pressure				bar	Shut-off press.		13		bar	Temperature	-180	-180	-180	degC	Sp.Gr. (liq.)	0.594	0.577	0.55	water=1	Sp.Gr.(gas,vapor)				kg/m3[N]	Viscosity				cP	Flash				%	Velocity	3.72	3.09	1.48	m/s	S.P.L.	79	78	75	dBA	Calculated Cv	10.63	8.234	3.903		Travel	66	61	45	%	<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>Design press.</td> <td>13</td> <td>barG</td> </tr> <tr> <td>Design temp.</td> <td>-196 ~65</td> <td>degC</td> </tr> <tr> <td>Line size in/out</td> <td>3 / 3</td> <td>inch</td> </tr> <tr> <td>Line Sch. / Thick.</td> <td>3.05</td> <td>mm</td> </tr> </table>	Design press.	13	barG	Design temp.	-196 ~65	degC	Line size in/out	3 / 3	inch	Line Sch. / Thick.	3.05	mm
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<p>No.: 21 QTY: 1</p> <p>Tag no. PV-3406A</p> <p>Service</p> <p>< Specification ></p> <p>Model AGVM</p> <p>Description Top-Guided Single-Seat 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 A351CF8M</p> <p>Trim material SUS316L STELLITE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type EXTENTION-2</p> <p>Actuator PSA1</p> <p>Manual operator</p> <p>Valve action REVERSE(Air fail close)</p> <p>Gland packing V-PTFE</p> <p>Gasket spiral, V563(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-1CYS-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.: 22 QTY: 1</p> <p>Tag no. PV-3406B</p> <p>Service</p> <p>< Specification ></p> <p>Model AGVM</p> <p>Description Top-Guided Single-Seat Control Valves</p> <p>Valve size 4 inch</p> <p>Port size 4 inch</p> <p>Rated Cv 200</p> <p>Connection size inch</p> <p>Body rating ANSI300</p> <p>End connection BW</p> <p>Body material A351CF8M</p> <p>Trim material SUS316L STELLITE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type EXTENTION-2</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 spiral, V563(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.: 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 A351CF8</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 V543(PTFE), V563(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>																																																																																												
<p><Operating condition></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Fluid name</th> <th colspan="3">K-303 safety valve bypass</th> <th>[GAS]</th> </tr> <tr> <th></th> <th>MAX</th> <th>NOR</th> <th>MIN</th> <th>UNIT</th> </tr> </thead> <tbody> <tr> <td>Flow rate</td> <td>16899</td> <td>14088</td> <td>6765</td> <td>m3/h[N]</td> </tr> <tr> <td>Inlet pressure</td> <td>4</td> <td>4</td> <td>4</td> <td>barA</td> </tr> <tr> <td>Outlet pressure</td> <td>1.2</td> <td>1.2</td> <td>1.2</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>4</td> <td></td> <td>bar</td> </tr> <tr> <td>Temperature</td> <td>-150</td> <td>-150</td> <td>-150</td> <td>degC</td> </tr> <tr> <td>Sp.Gr. (liq.)</td> <td></td> <td></td> <td></td> <td>water=1</td> </tr> <tr> <td>Sp.Gr.(gas,vapor)</td> <td>0.96</td> <td>0.93</td> <td>0.88</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></td> <td></td> <td></td> <td>%</td> </tr> <tr> <td>Velocity</td> <td>0.38</td> <td>0.31</td> <td>0.14</td> <td>Mach</td> </tr> <tr> <td>S.P.L.</td> <td>102</td> <td>100</td> <td>94</td> <td>dBA</td> </tr> <tr> <td>Calculated Cv</td> <td>168.2</td> <td>138</td> <td>64.48</td> <td></td> </tr> <tr> <td>Travel</td> <td>83</td> <td>76</td> <td>55</td> <td>%</td> </tr> </tbody> </table>	Fluid name	K-303 safety valve bypass			[GAS]		MAX	NOR	MIN	UNIT	Flow rate	16899	14088	6765	m3/h[N]	Inlet pressure	4	4	4	barA	Outlet pressure	1.2	1.2	1.2	barA	Diff. pressure				bar	Shut-off press.		4		bar	Temperature	-150	-150	-150	degC	Sp.Gr. (liq.)				water=1	Sp.Gr.(gas,vapor)	0.96	0.93	0.88	kg/m3[N]	Viscosity				cP	Flash				%	Velocity	0.38	0.31	0.14	Mach	S.P.L.	102	100	94	dBA	Calculated Cv	168.2	138	64.48		Travel	83	76	55	%	<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>Design press.</td> <td>4</td> <td>barG</td> </tr> <tr> <td>Design temp.</td> <td>-196 ~65</td> <td>degC</td> </tr> <tr> <td>Line size in/out</td> <td>6 // 10</td> <td>inch</td> </tr> <tr> <td>Line Sch. / Thick.</td> <td>10S // 4</td> <td>mm</td> </tr> </table>	Design press.	4	barG	Design temp.	-196 ~65	degC	Line size in/out	6 // 10	inch	Line Sch. / Thick.	10S // 4	mm
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<p>No.: 24 QTY: 1</p> <p>Tag no. SV-3640</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 125</p> <p>Connection size inch</p> <p>Body rating ANSI300</p> <p>End connection BW</p> <p>Body material A351CF8</p> <p>Trim material SUS316L STELLITE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type PLAIN</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 V543(PTFE), V563(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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