

# Specification Sheet

<p>No.: 1 QTY: 1</p> <p>Tag no. 10-FV-045</p> <p>Service</p> <p><b>&lt; Specification &gt;</b></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 RF</p> <p>Body material SCPH2</p> <p>Trim material SUS316 STELLITE FACE</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</p> <p>Gasket V543</p> <p>Grease 650</p> <p>Air supply 2.8kgf/cm2</p> <p>Spring range 0.8-2.4kgf/cm2</p> <p><b>&lt; Accesories &gt;</b></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 3-Way Solenoid Valve</p> <p>Action</p> <p>Power supply</p> <p>Others</p>	<p>Product no.:</p> <p><b>&lt;Option&gt;</b></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><b>&lt;Finish&gt;</b></p> <p>Body: Silver</p> <p>Diaph. Case: Silver</p> <p>Yoke: Silver</p> <p>Paint: Standard</p>																																																																																								
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# Specification Sheet

<p>No.: 2 QTY: 1</p> <p>Tag no. 10-FV-047</p> <p>Service</p> <p><b>&lt; Specification &gt;</b></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 30</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 PLAIN</p> <p>Actuator HA2</p> <p>Manual operator ---</p> <p>Valve action DIRECT(Push down to close)</p> <p>Gland packing V7132Y</p> <p>Gasket V543</p> <p>Grease 650</p> <p>Air supply</p> <p>Spring range 0.2-1.0kgf/cm2</p> <p><b>&lt; Accesories &gt;</b></p> <p>Positioner / Signal</p> <p style="padding-left: 20px;">Explosion-proof</p> <p style="padding-left: 20px;">Signal</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><b>&lt;Option&gt;</b></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><b>&lt;Finish&gt;</b></p> <p>Body: Silver</p> <p>Diaph. Case: Silver</p> <p>Yoke: Silver</p> <p>Paint: Standard</p>																																																																																			
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# Specification Sheet

<p>No.: 3 QTY: 1</p> <p>Tag no. 10-HV-003</p> <p>Service</p> <p><b>&lt; Specification &gt;</b></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 ANSI150</p> <p>End connection RF</p> <p>Body material SCPH2</p> <p>Trim material SUS316 Stellite Sheath</p> <p>Flow characteristic EQ%</p> <p>Bonnet type EXT-1 HIGH</p> <p>Actuator HA3</p> <p>Manual operator SIDE</p> <p>Valve action DIRECT(Air fail open)</p> <p>Gland packing TK397</p> <p>Gasket V543</p> <p>Grease PS6</p> <p>Air supply 4.0kgf/cm2</p> <p>Spring range 0.8-2.4kgf/cm2</p> <p><b>&lt; Accesories &gt;</b></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><b>&lt;Option&gt;</b></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><b>&lt;Finish&gt;</b></p> <p>Body: Silver</p> <p>Diaph. Case: Silver</p> <p>Yoke: Silver</p> <p>Paint: Standard</p>																																																																																																												
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# Specification Sheet

<p>No.: 4 QTY: 1</p> <p>Tag no. 15-FV-007</p> <p>Service</p> <p><b>&lt; Specification &gt;</b></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 inch</p> <p>Rated Cv 15</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 Sheath</p> <p>Flow characteristic %C</p> <p>Bonnet type FIN</p> <p>Actuator HA2</p> <p>Manual operator ---</p> <p>Valve action DIRECT(Push down to close)</p> <p>Gland packing V1290</p> <p>Gasket V543</p> <p>Grease PS6</p> <p>Air supply</p> <p>Spring range 0.2-1.0kgf/cm2</p> <p><b>&lt; Accesories &gt;</b></p> <p>Positioner / Signal</p> <p style="padding-left: 20px;">Explosion-proof</p> <p style="padding-left: 20px;">Signal</p> <p>Regulator</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><b>&lt;Option&gt;</b></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><b>&lt;Finish&gt;</b></p> <p>Body: Silver</p> <p>Diaph. Case: Silver</p> <p>Yoke: Silver</p> <p>Paint: Standard</p>																																																																																																		
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# Specification Sheet

<p>No.: 5 QTY: 1</p> <p>Tag no. 15-FV-019</p> <p>Service</p> <p><b>&lt; Specification &gt;</b></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 ANSI150</p> <p>End connection RF</p> <p>Body material SCPH2</p> <p>Trim material SUS316 Stellite Sheath</p> <p>Flow characteristic %C</p> <p>Bonnet type EXT-1 HIGH</p> <p>Actuator HA2</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 2.8kgf/cm2</p> <p>Spring range 0.8-2.4kgf/cm2</p> <p><b>&lt; Accesories &gt;</b></p> <p>Positioner / Signal HTP</p> <p style="padding-left: 20px;">Explosion-proof</p> <p style="padding-left: 20px;">Signal 0.2-1.0 kgf/cm2</p> <p>Regulator KZ03-2B-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><b>&lt;Option&gt;</b></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><b>&lt;Finish&gt;</b></p> <p>Body: Silver</p> <p>Diaph. Case: Silver</p> <p>Yoke: Silver</p> <p>Paint: Standard</p>																																																																																																												
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# Specification Sheet

<p>No.: 6 QTY: 1</p> <p>Tag no. 15-LV-005</p> <p>Service</p> <p><b>&lt; Specification &gt;</b></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 ANS1300</p> <p>End connection RF</p> <p>Body material SCPH2</p> <p>Trim material SUS316 STELLITE</p> <p>Flow characteristic</p> <p>Bonnet type</p> <p>Actuator HA3</p> <p>Manual operator ---</p> <p>Valve action DIRECT(Push down to close)</p> <p>Gland packing V7132Y</p> <p>Gasket V543</p> <p>Grease PS6</p> <p>Air supply 4.0kgf/cm2</p> <p>Spring range 0.8-2.4kgf/cm2</p> <p><b>&lt; Accesories &gt;</b></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><b>&lt;Option&gt;</b></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><b>&lt;Finish&gt;</b></p> <p>Body: Silver</p> <p>Diaph. Case: Silver</p> <p>Yoke: Silver</p> <p>Paint: Standard</p>																																																																																												
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# Specification Sheet

<p>No.: 7 QTY: 1</p> <p>Tag no. 15-LV-006</p> <p>Service</p> <p><b>&lt; Specification &gt;</b></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 30</p> <p>Connection size inch</p> <p>Body rating ANSI300</p> <p>End connection RF</p> <p>Body material SCPH11</p> <p>Trim material SUS316 Stellite Sheath</p> <p>Flow characteristic %C</p> <p>Bonnet type FIN</p> <p>Actuator HA2</p> <p>Manual operator ---</p> <p>Valve action DIRECT(Push down to close)</p> <p>Gland packing TK397</p> <p>Gasket V543</p> <p>Grease 650</p> <p>Air supply 4.0kgf/cm2</p> <p>Spring range 1.8-2.4kgf/cm2</p> <p><b>&lt; Accesories &gt;</b></p> <p>Positioner / Signal HTP</p> <p style="padding-left: 20px;">Explosion-proof</p> <p style="padding-left: 20px;">Signal 0.2-1.0 kgf/cm2</p> <p>Regulator KZ03-2B-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><b>&lt;Option&gt;</b></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><b>&lt;Finish&gt;</b></p> <p>Body: Silver</p> <p>Diaph. Case: Silver</p> <p>Yoke: Silver</p> <p>Paint: Standard</p>																																																																																			
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# Specification Sheet

<p>No.: 8 QTY: 1</p> <p>Tag no. 15-HV-001</p> <p>Service</p> <p><b>&lt; Specification &gt;</b></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 ANSI150</p> <p>End connection RF</p> <p>Body material SCPH2</p> <p>Trim material SUS316 Stellite Sheath</p> <p>Flow characteristic EQ%</p> <p>Bonnet type EXT-1 HIGH</p> <p>Actuator HA2</p> <p>Manual operator TOP</p> <p>Valve action DIRECT(Air fail open)</p> <p>Gland packing TK397</p> <p>Gasket V543</p> <p>Grease PS6</p> <p>Air supply 4.0kgf/cm2</p> <p>Spring range 0.8-2.4kgf/cm2</p> <p><b>&lt; Accesories &gt;</b></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><b>&lt;Option&gt;</b></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><b>&lt;Finish&gt;</b></p> <p>Body: Silver</p> <p>Diaph. Case: Silver</p> <p>Yoke: Silver</p> <p>Paint: Standard</p>																																																																																												
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# Specification Sheet

<p>No.: 9 QTY: 1</p> <p>Tag no. 15-PDV-005</p> <p>Service</p> <p><b>&lt; Specification &gt;</b></p> <p>Model HLS</p> <p>Description Small-Port Single Seated Control Valves</p> <p>Valve size 1 inch</p> <p>Port size Cv=6.3 inch</p> <p>Rated Cv</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 EQ%</p> <p>Bonnet type EXT-1 HIGH</p> <p>Actuator HA2</p> <p>Manual operator SIDE</p> <p>Valve action DIRECT(Air fail open)</p> <p>Gland packing V1290</p> <p>Gasket V543</p> <p>Grease PS6</p> <p>Air supply 4.0kgf/cm2</p> <p>Spring range 0.8-2.4kgf/cm2</p> <p><b>&lt; Accesories &gt;</b></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><b>&lt;Option&gt;</b></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><b>&lt;Finish&gt;</b></p> <p>Body: Silver</p> <p>Diaph. Case: Silver</p> <p>Yoke: Silver</p> <p>Paint: Standard</p>																																																																																																		
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**Specification Sheet**

<p>No.: 10 QTY: 1</p> <p>Tag no. 29-LV-005</p> <p>Service</p> <p><b>&lt; Specification &gt;</b></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 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 PLAIN</p> <p>Actuator HA3</p> <p>Manual operator ---</p> <p>Valve action DIRECT(Push down to close)</p> <p>Gland packing V7132Y</p> <p>Gasket V543</p> <p>Grease PS6</p> <p>Air supply 4.0kgf/cm2</p> <p>Spring range 0.8-2.4kgf/cm2</p> <p><b>&lt; Accesories &gt;</b></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><b>&lt;Option&gt;</b></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><b>&lt;Finish&gt;</b></p> <p>Body: Silver</p> <p>Diaph. Case: Silver</p> <p>Yoke: Silver</p> <p>Paint: Standard</p>																																																																								
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<p>No.: 11 QTY: 1</p> <p>Tag no. 29-PV-001A</p> <p>Service</p> <p><b>&lt; Specification &gt;</b></p> <p>Model HLS</p> <p>Description Small-Port Single Seated Control Valves</p> <p>Valve size 1 inch</p> <p>Port size Cv=4.0 inch</p> <p>Rated Cv 4.0</p> <p>Connection size inch</p> <p>Body rating ANSI150</p> <p>End connection RF</p> <p>Body material SCPH2</p> <p>Trim material MONEL K-500</p> <p>Flow characteristic EQ%</p> <p>Bonnet type PLAIN</p> <p>Actuator HA2</p> <p>Manual operator ---</p> <p>Valve action REVERSE(Air fail close)</p> <p>Gland packing V7132Y</p> <p>Gasket V543</p> <p>Grease 400</p> <p>Air supply 4.0kgf/cm2</p> <p>Spring range 0.8-2.4kgf/cm2</p> <p><b>&lt; Accesories &gt;</b></p> <p>Positioner / Signal HTP</p> <p>Explosion-proof</p> <p>Signal 0.6-1.0 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><b>&lt;Option&gt;</b></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><b>&lt;Finish&gt;</b></p> <p>Body: Silver</p> <p>Diaph. Case: Silver</p> <p>Yoke: Silver</p> <p>Paint: Standard</p>																																																																												
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<p>No.: 12 QTY: 1</p> <p>Tag no. 29-PV-002A</p> <p>Service</p> <p><b>&lt; Specification &gt;</b></p> <p>Model HLS</p> <p>Description Small-Port Single Seated Control Valves</p> <p>Valve size 1 inch</p> <p>Port size Cv=4.0 inch</p> <p>Rated Cv 4.0</p> <p>Connection size inch</p> <p>Body rating ANSI150</p> <p>End connection RF</p> <p>Body material SCPH2</p> <p>Trim material MONEL K-500</p> <p>Flow characteristic EQ%</p> <p>Bonnet type</p> <p>Actuator HA2</p> <p>Manual operator ---</p> <p>Valve action REVERSE(Air fail close)</p> <p>Gland packing V7132Y</p> <p>Gasket V543</p> <p>Grease 400</p> <p>Air supply 4.0kgf/cm2</p> <p>Spring range 0.8-2.4kgf/cm2</p> <p><b>&lt; Accesories &gt;</b></p> <p>Positioner / Signal HTP</p> <p>Explosion-proof</p> <p>Signal 0.6-1.0 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><b>&lt;Option&gt;</b></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><b>&lt;Finish&gt;</b></p> <p>Body: Silver</p> <p>Diaph. Case: Silver</p> <p>Yoke: Silver</p> <p>Paint: Standard</p>																																																																																																		
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**Specification Sheet**

<p>No.: 13 QTY: 1</p> <p>Tag no. 11-LV-007</p> <p>Service</p> <p><b>&lt; Specification &gt;</b></p> <p>Model VDP</p> <p>Description Top and Bottom-Guided Double Seated Control Valve</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 RF</p> <p>Body material SCPH2</p> <p>Trim material SUS316</p> <p>Flow characteristic %V</p> <p>Bonnet type PLAIN</p> <p>Actuator VA2</p> <p>Manual operator ---</p> <p>Valve action DIRECT(Push down to close)</p> <p>Gland packing V7132Y</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><b>&lt; Accesories &gt;</b></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><b>&lt;Option&gt;</b></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><b>&lt;Finish&gt;</b></p> <p>Body: Silver</p> <p>Diaph. Case: Silver</p> <p>Yoke: Silver</p> <p>Paint: Standard</p>																																																																												
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# Specification Sheet

<p>No.: 14 QTY: 1</p> <p>Tag no. 11-PV-002A</p> <p>Service</p> <p><b>&lt; Specification &gt;</b></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 30</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 PLAIN</p> <p>Actuator VA2</p> <p>Manual operator ---</p> <p>Valve action DIRECT(Push down to close)</p> <p>Gland packing V7132Y</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><b>&lt; Accesories &gt;</b></p> <p>Positioner / Signal HTP</p> <p>Explosion-proof</p> <p>Signal 0.6-1.0 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><b>&lt;Option&gt;</b></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><b>&lt;Finish&gt;</b></p> <p>Body: Silver</p> <p>Diaph. Case: Silver</p> <p>Yoke: Silver</p> <p>Paint: Standard</p>																																																																																																		
<p><b>&lt;Operating condition&gt;</b></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Fluid name</th> <th style="text-align: center;">HC</th> <th style="text-align: center;">MAX</th> <th style="text-align: center;">NOR</th> <th style="text-align: center;">MIN</th> <th style="text-align: left;">[ GAS ]</th> </tr> </thead> <tbody> <tr> <td>Flow rate</td> <td></td> <td>387</td> <td></td> <td></td> <td>UNIT m3/h[N]</td> </tr> <tr> <td>Inlet pressure</td> <td></td> <td>2.53</td> <td></td> <td></td> <td>kgf/cm2A</td> </tr> <tr> <td>Outlet pressure</td> <td></td> <td></td> <td></td> <td></td> <td>kgf/cm2A</td> </tr> <tr> <td>Diff. pressure</td> <td></td> <td>1.00</td> <td></td> <td></td> <td>kgf/cm2</td> </tr> <tr> <td>Shut-off press.</td> <td></td> <td></td> <td>3.0</td> <td></td> <td>kgf/cm2</td> </tr> <tr> <td>Temperature</td> <td></td> <td>40</td> <td></td> <td></td> <td>degC</td> </tr> <tr> <td>Sp.Gr. (liq.)</td> <td></td> <td></td> <td></td> <td></td> <td>kg/m3</td> </tr> <tr> <td>Sp.Gr.(gas,vapor)</td> <td>2.295</td> <td></td> <td></td> <td></td> <td>kg/m3[N]</td> </tr> <tr> <td>Viscosity</td> <td></td> <td></td> <td></td> <td></td> <td>cP</td> </tr> <tr> <td>Flash</td> <td></td> <td></td> <td></td> <td></td> <td>%</td> </tr> <tr> <td>Velocity</td> <td>0.27</td> <td></td> <td></td> <td></td> <td>Mach</td> </tr> <tr> <td>S.P.L.</td> <td></td> <td></td> <td></td> <td></td> <td>dBA</td> </tr> <tr> <td>Calculated Cv</td> <td>16.66</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Travel</td> <td></td> <td></td> <td></td> <td></td> <td>%</td> </tr> </tbody> </table>	Fluid name	HC	MAX	NOR	MIN	[ GAS ]	Flow rate		387			UNIT m3/h[N]	Inlet pressure		2.53			kgf/cm2A	Outlet pressure					kgf/cm2A	Diff. pressure		1.00			kgf/cm2	Shut-off press.			3.0		kgf/cm2	Temperature		40			degC	Sp.Gr. (liq.)					kg/m3	Sp.Gr.(gas,vapor)	2.295				kg/m3[N]	Viscosity					cP	Flash					%	Velocity	0.27				Mach	S.P.L.					dBA	Calculated Cv	16.66					Travel					%	<p><b>&lt;Seat Leakage&gt;</b></p> <p><b>&lt;Note&gt;</b> Tokumi: V93-8666-00 - 14</p> <p>Existing Valve Prod No. 416-8300-0900</p> <p><b>&lt;Line spec&gt;</b></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td>Design press.</td> <td style="text-align: right;">kPaG</td> </tr> <tr> <td>Design temp.</td> <td style="text-align: right;">degC</td> </tr> <tr> <td>Line size in/out</td> <td style="text-align: right;">/ inch</td> </tr> <tr> <td>Line Sch. / Thick</td> <td style="text-align: right;">/ mm</td> </tr> </table>	Design press.	kPaG	Design temp.	degC	Line size in/out	/ inch	Line Sch. / Thick	/ mm
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<p>No.: 15 QTY: 1</p> <p>Tag no. 11-PDV-014</p> <p>Service</p> <p><b>&lt; Specification &gt;</b></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 inch</p> <p>Rated Cv 13</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 VA2</p> <p>Manual operator SIDE</p> <p>Valve action DIRECT(Push down to close)</p> <p>Gland packing V1290</p> <p>Gasket V543</p> <p>Grease PS6</p> <p>Air supply</p> <p>Spring range 0.2-1.0kgf/cm2</p> <p><b>&lt; Accesories &gt;</b></p> <p>Positioner / Signal Explosion-proof Signal</p> <p>Regulator</p> <p>Regulator 2</p> <p>Limit Switch Action</p> <p>Solenoid valve Action</p> <p>Power supply</p> <p>Others</p>	<p>Product no.:</p> <p><b>&lt;Option&gt;</b></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><b>&lt;Finish&gt;</b></p> <p>Body: Silver</p> <p>Diaph. Case: Silver</p> <p>Yoke: Silver</p> <p>Paint: Standard</p>																																																																												
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# Specification Sheet

<p>No.: 16 QTY: 1</p> <p>Tag no. 12-PV-007</p> <p>Service</p> <p><b>&lt; Specification &gt;</b></p> <p>Model HLS</p> <p>Description Small-Port Single Seated Control Valves</p> <p>Valve size 1 inch</p> <p>Port size Cv=4.0 inch</p> <p>Rated Cv 4.0</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</p> <p>Flow characteristic EQ%</p> <p>Bonnet type PLAIN</p> <p>Actuator HA2</p> <p>Manual operator SIDE</p> <p>Valve action REVERSE(Air fail close)</p> <p>Gland packing V7132Y</p> <p>Gasket V543</p> <p>Grease 650</p> <p>Air supply</p> <p>Spring range 0.2-1.0kgf/cm2</p> <p><b>&lt; Accesories &gt;</b></p> <p>Positioner / Signal</p> <p style="padding-left: 20px;">Explosion-proof</p> <p style="padding-left: 20px;">Signal</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><b>&lt;Option&gt;</b></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><b>&lt;Finish&gt;</b></p> <p>Body: Silver</p> <p>Diaph. Case: Silver</p> <p>Yoke: Silver</p> <p>Paint: Standard</p>																																																																																												
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<p>No.: 17 QTY: 1</p> <p>Tag no. 12-PDV-014</p> <p>Service</p> <p><b>&lt; Specification &gt;</b></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 inch</p> <p>Rated Cv 15</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 HA3</p> <p>Manual operator SIDE</p> <p>Valve action DIRECT(Push down to close)</p> <p>Gland packing V1290</p> <p>Gasket V543</p> <p>Grease PS6</p> <p>Air supply</p> <p>Spring range 0.2-1.0kgf/cm2</p> <p><b>&lt; Accesories &gt;</b></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><b>&lt;Option&gt;</b></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><b>&lt;Finish&gt;</b></p> <p>Body: Silver</p> <p>Diaph. Case: Silver</p> <p>Yoke: Silver</p> <p>Paint: Standard</p>																																																																												
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<p>No.: 18 QTY: 1</p> <p>Tag no. 12-PDV-020</p> <p>Service</p> <p><b>&lt; Specification &gt;</b></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 RF</p> <p>Body material SCPH2</p> <p>Trim material SUS316 STELLITE FACE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type</p> <p>Actuator HA2</p> <p>Manual operator SIDE</p> <p>Valve action DIRECT(Air fail open)</p> <p>Gland packing V1290</p> <p>Gasket V543</p> <p>Grease PS6</p> <p>Air supply 4.0kgf/cm2</p> <p>Spring range 0.8-2.4kgf/cm2</p> <p><b>&lt; Accesories &gt;</b></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><b>&lt;Option&gt;</b></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><b>&lt;Finish&gt;</b></p> <p>Body: Silver</p> <p>Diaph. Case: Silver</p> <p>Yoke: Silver</p> <p>Paint: Standard</p>																																																																																																						
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# Specification Sheet

<p>No.: 19 QTY: 1</p> <p>Tag no. 12-PDV-038</p> <p>Service</p> <p><b>&lt; Specification &gt;</b></p> <p>Model HLS</p> <p>Description Small-Port Single Seated Control Valves</p> <p>Valve size 1 inch</p> <p>Port size Cv=4.0 inch</p> <p>Rated Cv 4.0</p> <p>Connection size inch</p> <p>Body rating ANSI300</p> <p>End connection RF</p> <p>Body material SCPH2</p> <p>Trim material SUS304 STELLITE FACE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type EXT-1 HIGH</p> <p>Actuator HA2</p> <p>Manual operator SIDE</p> <p>Valve action DIRECT(Air fail open)</p> <p>Gland packing V1290</p> <p>Gasket V543</p> <p>Grease PS6</p> <p>Air supply 4.0kgf/cm2</p> <p>Spring range 0.8-2.4kgf/cm2</p> <p><b>&lt; Accesories &gt;</b></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><b>&lt;Option&gt;</b></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><b>&lt;Finish&gt;</b></p> <p>Body: Silver</p> <p>Diaph. Case: Silver</p> <p>Yoke: Silver</p> <p>Paint: Standard</p>																																																																																							
<p><b>&lt;Operating condition&gt;</b></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Fluid name</th> <th style="text-align: center;">MP Steam</th> <th style="text-align: center;">NOR</th> <th style="text-align: center;">MIN</th> <th style="text-align: center;">[ STEAM ]</th> </tr> <tr> <th style="text-align: left;">Flow rate</th> <td style="text-align: center;">232</td> <td></td> <td></td> <td style="text-align: center;">kg/h</td> </tr> <tr> <th style="text-align: left;">Inlet pressure</th> <td style="text-align: center;">16.01</td> <td style="text-align: center;">16.01</td> <td></td> <td style="text-align: center;">kgf/cm2A</td> </tr> <tr> <th style="text-align: left;">Outlet pressure</th> <td></td> <td></td> <td></td> <td style="text-align: center;">kgf/cm2A</td> </tr> <tr> <th style="text-align: left;">Diff. pressure</th> <td style="text-align: center;">6.8</td> <td style="text-align: center;">6.8</td> <td></td> <td style="text-align: center;">kgf/cm2</td> </tr> <tr> <th style="text-align: left;">Shut-off press.</th> <td></td> <td style="text-align: center;">18.2</td> <td></td> <td style="text-align: center;">kgf/cm2</td> </tr> <tr> <th style="text-align: left;">Temperature</th> <td style="text-align: center;">270</td> <td></td> <td></td> <td style="text-align: center;">degC</td> </tr> <tr> <th style="text-align: left;">Sp.Gr. (liq.)</th> <td></td> <td></td> <td></td> <td style="text-align: center;">water=1</td> </tr> <tr> <th style="text-align: left;">Sp.Gr.(gas,vapor)</th> <td></td> <td></td> <td></td> <td style="text-align: center;">MW</td> </tr> <tr> <th style="text-align: left;">Viscosity</th> <td></td> <td></td> <td></td> <td style="text-align: center;">cP</td> </tr> <tr> <th style="text-align: left;">Flash</th> <td></td> <td></td> <td></td> <td style="text-align: center;">%</td> </tr> <tr> <th style="text-align: left;">Velocity</th> <td style="text-align: center;">0.06</td> <td></td> <td></td> <td style="text-align: center;">Mach</td> </tr> <tr> <th style="text-align: left;">S.P.L.</th> <td></td> <td></td> <td></td> <td style="text-align: center;">dBA</td> </tr> <tr> <th style="text-align: left;">Calculated Cv</th> <td style="text-align: center;">1.416</td> <td></td> <td></td> <td></td> </tr> <tr> <th style="text-align: left;">Travel</th> <td style="text-align: center;">72</td> <td></td> <td></td> <td style="text-align: center;">%</td> </tr> </thead></table>	Fluid name	MP Steam	NOR	MIN	[ STEAM ]	Flow rate	232			kg/h	Inlet pressure	16.01	16.01		kgf/cm2A	Outlet pressure				kgf/cm2A	Diff. pressure	6.8	6.8		kgf/cm2	Shut-off press.		18.2		kgf/cm2	Temperature	270			degC	Sp.Gr. (liq.)				water=1	Sp.Gr.(gas,vapor)				MW	Viscosity				cP	Flash				%	Velocity	0.06			Mach	S.P.L.				dBA	Calculated Cv	1.416				Travel	72			%	<p><b>&lt;Seat Leakage&gt;</b></p> <p><b>&lt;Note&gt;</b> Tokumi: V93-8666-00 - 19</p> <p>Existing Valve Prod No. 416-8301-2800</p> <p><b>&lt;Line spec&gt;</b></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Design press.</td> <td style="width: 20%;"></td> <td style="width: 20%; text-align: right;">kPaG</td> </tr> <tr> <td>Design temp.</td> <td></td> <td style="text-align: right;">degC</td> </tr> <tr> <td>Line size in/out</td> <td style="text-align: center;">/</td> <td style="text-align: right;">inch</td> </tr> <tr> <td>Line Sch. / Thick</td> <td style="text-align: center;">/</td> <td style="text-align: right;">mm</td> </tr> </table>	Design press.		kPaG	Design temp.		degC	Line size in/out	/	inch	Line Sch. / Thick	/	mm
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# Specification Sheet

<p>No.: 20 QTY: 1</p> <p>Tag no. 14-LV-001</p> <p>Service</p> <p><b>&lt; Specification &gt;</b></p> <p>Model VDP</p> <p>Description Top and Bottom-Guided Double Seated Control Valve</p> <p>Valve size 1 inch</p> <p>Port size 1 inch</p> <p>Rated Cv 15</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 PLAIN</p> <p>Actuator VA2</p> <p>Manual operator ---</p> <p>Valve action DIRECT(Push down to close)</p> <p>Gland packing V7132Y</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><b>&lt; Accesories &gt;</b></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><b>&lt;Option&gt;</b></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><b>&lt;Finish&gt;</b></p> <p>Body: Silver</p> <p>Diaph. Case: Silver</p> <p>Yoke: Silver</p> <p>Paint: Standard</p>																																																																																																												
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<p>No.: 21 QTY: 1</p> <p>Tag no. 14-LV-003</p> <p>Service</p> <p><b>&lt; Specification &gt;</b></p> <p>Model HLS</p> <p>Description Small-Port Single Seated Control Valves</p> <p>Valve size 1 inch</p> <p>Port size Cv=0.04 inch</p> <p>Rated Cv 0.04</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 Sheath</p> <p>Flow characteristic LINEAR</p> <p>Bonnet type PLAIN</p> <p>Actuator HA2</p> <p>Manual operator ---</p> <p>Valve action REVERSE(Air fail close)</p> <p>Gland packing V7132Y</p> <p>Gasket V543</p> <p>Grease ---</p> <p>Air supply</p> <p>Spring range 0.2-1.0kfg/cm2</p> <p><b>&lt; Accesories &gt;</b></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><b>&lt;Option&gt;</b></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><b>&lt;Finish&gt;</b></p> <p>Body: Silver</p> <p>Diaph. Case: Silver</p> <p>Yoke: Silver</p> <p>Paint: Standard</p>																																																																												
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**Specification Sheet**

<p>No.: 22 QTY: 1</p> <p>Tag no. 17-PV-003</p> <p>Service</p> <p><b>&lt; Specification &gt;</b></p> <p>Model VBZ</p> <p>Description Special Butterfly Valve</p> <p>Valve size 250 mm inch</p> <p>Port size inch</p> <p>Rated Cv 1700</p> <p>Connection size inch</p> <p>Body rating ANSI150</p> <p>End connection RF</p> <p>Body material SCPH2</p> <p>Trim material SCPH2/SUS316/SUS316 ST</p> <p>Flow characteristic</p> <p>Bonnet type PLAIN</p> <p>Actuator VA4D</p> <p>Manual operator SIDE</p> <p>Valve action DIRECT(Air fail open)</p> <p>Gland packing V7132Y</p> <p>Gasket ---</p> <p>Grease 650</p> <p>Air supply 2.7kgf/cm2</p> <p>Spring range 0.4-2.0kgf/cm2</p> <p><b>&lt; Accesories &gt;</b></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><b>&lt;Option&gt;</b></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>SV0505-003 Minimum and maximum flow stopper for actuator</p> <p><b>&lt;Finish&gt;</b></p> <p>Body: Silver</p> <p>Diaph. Case: Silver</p> <p>Yoke: Silver</p> <p>Paint: Standard</p>																																																																								
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<p>No.: 23 QTY: 1</p> <p>Tag no. 16-PV-013</p> <p>Service</p> <p><b>&lt; Specification &gt;</b></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 30</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 PLAIN</p> <p>Actuator VA2</p> <p>Manual operator ---</p> <p>Valve action DIRECT(Push down to close)</p> <p>Gland packing V7132Y</p> <p>Gasket V543</p> <p>Grease 400</p> <p>Air supply</p> <p>Spring range 0.2-1.0kgf/cm2</p> <p><b>&lt; Accesories &gt;</b></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><b>&lt;Option&gt;</b></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><b>&lt;Finish&gt;</b></p> <p>Body: Silver</p> <p>Diaph. Case: Silver</p> <p>Yoke: Silver</p> <p>Paint: Standard</p>																																																																												
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# Specification Sheet

<p>No.: 24 QTY: 2</p> <p>Tag no. 16-FV-071, 16-FV-072</p> <p>Service</p> <p><b>&lt; Specification &gt;</b></p> <p>Model HLS</p> <p>Description Small-Port Single Seated Control Valves</p> <p>Valve size 1 inch</p> <p>Port size Cv=6.3 inch</p> <p>Rated Cv 6.3</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 STELLITE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type PLAIN</p> <p>Actuator HA2</p> <p>Manual operator ---</p> <p>Valve action REVERSE(Air fail close)</p> <p>Gland packing V7132Y</p> <p>Gasket V543</p> <p>Grease 650</p> <p>Air supply 1.4kgf/cm2</p> <p>Spring range 0.2-1.0kgf/cm2</p> <p><b>&lt; Accesories &gt;</b></p> <p>Positioner / Signal Explosion-proof Signal</p> <p>Regurator KZ03-2B-XX</p> <p>Regulator 2</p> <p>Limit Switch Action</p> <p>Solenoid valve 3-Way Solenoid Valve Action</p> <p>Power supply</p> <p>Others</p>	<p>Product no.:</p> <p><b>&lt;Option&gt;</b></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><b>&lt;Finish&gt;</b></p> <p>Body: Silver</p> <p>Diaph. Case: Silver</p> <p>Yoke: Silver</p> <p>Paint: Standard</p>																																																																				
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# Specification Sheet

<p>No.: 25 QTY: 1</p> <p>Tag no. 16-PDV-004</p> <p>Service</p> <p><b>&lt; Specification &gt;</b></p> <p>Model HLS</p> <p>Description Small-Port Single Seated Control Valves</p> <p>Valve size 1 inch</p> <p>Port size Cv=6.3 inch</p> <p>Rated Cv 6.3</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 EQ%</p> <p>Bonnet type EXT-1 HIGH</p> <p>Actuator HA2</p> <p>Manual operator SIDE</p> <p>Valve action DIRECT(Air fail open)</p> <p>Gland packing V1290</p> <p>Gasket V543</p> <p>Grease PS6</p> <p>Air supply 4.0kgf/cm2</p> <p>Spring range 0.8-2.4kgf/cm2</p> <p><b>&lt; Accesories &gt;</b></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><b>&lt;Option&gt;</b></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><b>&lt;Finish&gt;</b></p> <p>Body: Silver</p> <p>Diaph. Case: Silver</p> <p>Yoke: Silver</p> <p>Paint: Standard</p>																																																																																																								
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# Specification Sheet

<p>No.: 26 QTY: 1</p> <p>Tag no. 16-PV-010</p> <p>Service</p> <p><b>&lt; Specification &gt;</b></p> <p>Model VDP</p> <p>Description Top and Bottom-Guided Double Seated Control Valve</p> <p>Valve size 4 inch</p> <p>Port size 2-1/2 inch</p> <p>Rated Cv 75</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 FIN</p> <p>Actuator HA3</p> <p>Manual operator SIDE</p> <p>Valve action DIRECT(Push down to close)</p> <p>Gland packing V7132Y</p> <p>Gasket V543</p> <p>Grease 650</p> <p>Air supply 4.0kgf/cm2</p> <p>Spring range 0.8-2.4kgf/cm</p> <p><b>&lt; Accesories &gt;</b></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><b>&lt;Option&gt;</b></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><b>&lt;Finish&gt;</b></p> <p>Body: Silver</p> <p>Diaph. Case: Silver</p> <p>Yoke: Silver</p> <p>Paint: Standard</p>																																																																																																								
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<p>No.: 27 QTY: 1</p> <p>Tag no. 16-HV-004</p> <p>Service</p> <p><b>&lt; Specification &gt;</b></p> <p>Model HLS</p> <p>Description Small-Port Single Seated Control Valves</p> <p>Valve size 1 inch</p> <p>Port size Cv=4.0 inch</p> <p>Rated Cv 4.0</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 STELLITE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type PLAIN</p> <p>Actuator HA2</p> <p>Manual operator ---</p> <p>Valve action REVERSE(Air fail close)</p> <p>Gland packing V7132Y</p> <p>Gasket V543</p> <p>Grease PS6</p> <p>Air supply 4.0kgf/cm2</p> <p>Spring range 0.8-2.4kgf/cm2</p> <p><b>&lt; Accesories &gt;</b></p> <p>Positioner / Signal HTP</p> <p>Explosion-proof</p> <p>Signal 0.4-1.0 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><b>&lt;Option&gt;</b></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><b>&lt;Finish&gt;</b></p> <p>Body: Silver</p> <p>Diaph. Case: Silver</p> <p>Yoke: Silver</p> <p>Paint: Standard</p>																																																																												
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# Specification Sheet

<p>No.: 28 QTY: 1</p> <p>Tag no. 16-HV-008</p> <p>Service</p> <p><b>&lt; Specification &gt;</b></p> <p>Model VDP</p> <p>Description Top and Bottom-Guided Double Seated Control Valve</p> <p>Valve size 6 inch</p> <p>Port size 4 inch</p> <p>Rated Cv 215</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 Sheath</p> <p>Flow characteristic %C</p> <p>Bonnet type</p> <p>Actuator HA4</p> <p>Manual operator ---</p> <p>Valve action DIRECT(Push down to close)</p> <p>Gland packing TK397</p> <p>Gasket V543</p> <p>Grease PS6</p> <p>Air supply 4.0kgf/cm2</p> <p>Spring range 0.8-2.4kgf/cm2</p> <p><b>&lt; Accesories &gt;</b></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><b>&lt;Option&gt;</b></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><b>&lt;Finish&gt;</b></p> <p>Body: Silver</p> <p>Diaph. Case: Silver</p> <p>Yoke: Silver</p> <p>Paint: Standard</p>																																																																																																		
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<p>No.: 29 QTY: 1</p> <p>Tag no. 16-FV-009</p> <p>Service</p> <p><b>&lt; Specification &gt;</b></p> <p>Model VDP</p> <p>Description Top and Bottom-Guided Double Seated Control Valve</p> <p>Valve size 4 inch</p> <p>Port size 4 inch</p> <p>Rated Cv 195</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 PLAIN</p> <p>Actuator HA3</p> <p>Manual operator ---</p> <p>Valve action DIRECT(Push down to close)</p> <p>Gland packing V7132Y</p> <p>Gasket V543</p> <p>Grease PS6</p> <p>Air supply 4.0kgf/cm2</p> <p>Spring range 0.8-2.4kgf/cm2</p> <p><b>&lt; Accesories &gt;</b></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><b>&lt;Option&gt;</b></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><b>&lt;Finish&gt;</b></p> <p>Body: Silver</p> <p>Diaph. Case: Silver</p> <p>Yoke: Silver</p> <p>Paint: Standard</p>																																																																												
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