

# Specification Sheet

<p>No.: 1 QTY: 1</p> <p>Tag no. WP-AV-105</p> <p>Service</p> <p><b>&lt; Specification &gt;</b></p> <p>Model HDT</p> <p>Description Three way Control Valve</p> <p>Valve size 6 inch</p> <p>Port size 6 inch</p> <p>Rated Cv 270</p> <p>Connection size inch</p> <p>Body rating ANSI150</p> <p>End connection RF</p> <p>Body material A351CF8</p> <p>Trim material SUS316</p> <p>Flow characteristic LINEAR</p> <p>Bonnet type PLAIN</p> <p>Actuator HA4</p> <p>Manual operator SIDE</p> <p>Valve action DIVISION, REVERSE (Side to bottom at air f</p> <p>Gland packing V-PTFE</p> <p>Gasket V543</p> <p>Grease ---</p> <p>Air supply 3.5kgf/cm2</p> <p>Spring range 0.8-2.4kgf/cm2</p> <p><b>&lt; Accessories &gt;</b></p> <p>Positioner / Signal</p> <p style="padding-left: 20px;">Exproision-proof</p> <p style="padding-left: 40px;">Signal On-Off action</p> <p>Regurator KZ03-3B-XX</p> <p>Regulator 2</p> <p>Limit Switch VCX5001 X 2</p> <p style="padding-left: 20px;">Action Full Open and Close on</p> <p>Solenoid valve EF8320G174-GRC50</p> <p style="padding-left: 20px;">Action En. : Control , De-en.: CV Open</p> <p style="padding-left: 20px;">Power supply AC110V 60Hz</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>SV0801-E02 Material certificate in English. Scope: valve body, bonnet, plug, seat ring (cage) and stem</p> <p>SV0101-001 Flange facing finish : 125AARH</p> <p><b>&lt;Finish&gt;</b></p> <p>Body: M10B5/10</p> <p>Diaph. Case: M10B5/10</p> <p>Yoke: M10B5/10</p> <p>Paint: Salt resistant</p>																																																																																												
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<p>No.: 2 QTY: 1</p> <p>Tag no. WP-LICV-101</p> <p>Service</p> <p><b>&lt; Specification &gt;</b></p> <p>Model VFR</p> <p>Description FloWing Eccentric Rotary Control Valve</p> <p>Valve size 6 inch</p> <p>Port size 100% inch</p> <p>Rated Cv 600</p> <p>Connection size inch</p> <p>Body rating ANSI150</p> <p>End connection WAFER</p> <p>Body material A351CF3M</p> <p>Trim material SCS16 STELLITE/SUS316L</p> <p>Flow characteristic EQ%</p> <p>Bonnet type PLAIN</p> <p>Actuator VR3</p> <p>Manual operator ---</p> <p>Valve action REVERSE(Air fail close)</p> <p>Gland packing NP4519</p> <p>Gasket ---</p> <p>Grease ---</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 AVP300-PSD3B-1CYR-X</p> <p>Exproision-proof Water-proof, 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 EF8320G174-GRC50</p> <p>Action En. : Control , De-en.: CV Close</p> <p>Power supply AC110V 60Hz</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>SV0801-E02 Material certificate in English. Scope: valve body, bonnet, plug, seat ring (cage) and stem</p> <p>SV0101-001 Flange facing finish : 125AARH</p> <p>SV0505-002 Maximum flow stopper for actuator</p> <p><b>&lt;Finish&gt;</b></p> <p>Body: M10B5/10</p> <p>Diaph. Case: M10B5/10</p> <p>Yoke: M10B5/10</p> <p>Paint: Salt resistant</p>																																																																																												
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<p>No.: <b>4</b> QTY: <b>1</b></p> <p>Tag no. <b>WP-SDV-101</b></p> <p>Service</p> <p><b>&lt; Specification &gt;</b></p> <p>Model <b>ADVB</b></p> <p>Description <b>Top and Bottom Guided Double-Seat Control Valves</b></p> <p>Valve size <b>10</b> inch</p> <p>Port size <b>10</b> inch</p> <p>Rated Cv <b>1100</b></p> <p>Connection size inch</p> <p>Body rating <b>ANSI150</b></p> <p>End connection <b>RF</b></p> <p>Body material <b>A216WCB</b></p> <p>Trim material <b>SUS316 STELLITE</b></p> <p>Flow characteristic <b>EQ%</b></p> <p>Bonnet type <b>PLAIN</b></p> <p>Actuator <b>HA4</b></p> <p>Manual operator <b>---</b></p> <p>Valve action <b>REVERSE(Air fail close)</b></p> <p>Gland packing <b>V-PTFE</b></p> <p>Gasket <b>V543(PTFE)+V563(PTFE)+V6590</b></p> <p>Grease <b>---</b></p> <p>Air supply <b>4.0bar</b></p> <p>Spring range <b>0.8-2.4bar</b></p> <p><b>&lt; Accesories &gt;</b></p> <p>Positioner / Signal</p> <p style="padding-left: 20px;">Exproision-proof</p> <p style="padding-left: 40px;">Signal <b>On-Off action</b></p> <p>Regurator <b>KZ03-3B-XX</b></p> <p>Regulator 2</p> <p>Limit Switch <b>VCX5001 X 2</b></p> <p style="padding-left: 20px;">Action <b>Full Open and Close on</b></p> <p>Solenoid valve <b>EF8320G174-GRC50</b></p> <p style="padding-left: 20px;">Action <b>En. : Control , De-en.: CV Close</b></p> <p style="padding-left: 20px;">Power supply <b>AC110V 60Hz</b></p> <p>Others</p>	<p>Product no.: <b>-</b></p> <p><b>&lt;Option&gt;</b></p> <p>SV0703-102 Indicating unit : "bar"</p> <p>SV0601-001 Air piping Connection: 1/4 NPT</p> <p>SV0801-E02 Material certificate in English. Scope: valve body, bonnet, plug, seat ring (cage) and stem</p> <p>SV0101-001 Flange facing finish : 125AARH</p> <p><b>&lt;Finish&gt;</b></p> <p>Body: <b>M10B5/10</b></p> <p>Diaph. Case: <b>M10B5/10</b></p> <p>Yoke: <b>M10B5/10</b></p> <p>Paint: <b>Salt resistant</b></p>																																																																																																												
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# Specification Sheet

<p>No.: 5 QTY: 1</p> <p>Tag no. WP-TRCV-108</p> <p>Service</p> <p><b>&lt; Specification &gt;</b></p> <p>Model HSC</p> <p>Description Cage Type Single Seated Control Valves</p> <p>Valve size 4 inch</p> <p>Port size 2 inch</p> <p>Rated Cv 50</p> <p>Connection size inch</p> <p>Body rating ANSI150</p> <p>End connection RF</p> <p>Body material A216WCB</p> <p>Trim material SUS316L STELLITE</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 V-PTFE</p> <p>Gasket V543</p> <p>Grease</p> <p>Air supply 2.7bar</p> <p>Spring range 0.8-2.4bar</p> <p><b>&lt; Accesories &gt;</b></p> <p>Positioner / Signal AVP300-FSD2D-1CYN-X</p> <p>Exprosn-proof FM Explosionproof and Flameproof, 1/4 NPT, 1/2</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</p> <p>Action</p> <p>Power supply</p> <p>Others</p>	<p>Product no.: -</p> <p><b>&lt;Option&gt;</b></p> <p>SV0703-102 Indicating unit : "bar"</p> <p>SV0601-001 Air piping Connection: 1/4 NPT</p> <p>SV0801-E02 Material certificate in English. Scope: valve body, bonnet, plug, seat ring (cage) and stem</p> <p>SV0101-001 Flange facing finish : 125AARH</p> <p><b>&lt;Finish&gt;</b></p> <p>Body: M10B5/10</p> <p>Diaph. Case: M10B5/10</p> <p>Yoke: M10B5/10</p> <p>Paint: Salt resistant</p>																																																																																												
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# Specification Sheet

<p>No.: 6 QTY: 1</p> <p>Tag no. WP-PCV-171</p> <p>Service</p> <p><b>&lt; Specification &gt;</b></p> <p>Model HLC</p> <p>Description Small-Port Cage Guide Type 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 A216WCB</p> <p>Trim material SUS316 STELLITE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type PLAIN</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 V543</p> <p>Grease ---</p> <p>Air supply 2.7bar</p> <p>Spring range 0.8-2.4bar</p> <p><b>&lt; Accesories &gt;</b></p> <p>Positioner / Signal AVP300-FSD2D-1CYS-X</p> <p>Explosion-proof FM Explosionproof and Flameproof, 1/4 NPT, 1/2</p> <p>Signal 4-20 mADC</p> <p>Regurator KZ03-2B-XX</p> <p>Regulator 2</p> <p>Limit Switch VCX5001</p> <p>Action Full Close on</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>SV0703-102 Indicating unit : "bar"</p> <p>SV0601-001 Air piping Connection: 1/4 NPT</p> <p>SV0801-E02 Material certificate in English. Scope: valve body, bonnet, plug, seat ring (cage) and stem</p> <p>SV0101-001 Flange facing finish : 125AARH</p> <p><b>&lt;Finish&gt;</b></p> <p>Body: M10B5/10</p> <p>Diaph. Case: M10B5/10</p> <p>Yoke: M10B5/10</p> <p>Paint: Salt resistant</p>																																																																																																
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# Specification Sheet

<p>No.: 7 QTY: 1</p> <p>Tag no. WP-PCV-271</p> <p>Service</p> <p><b>&lt; Specification &gt;</b></p> <p>Model HLC</p> <p>Description Small-Port Cage Guide Type 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 A216WCB</p> <p>Trim material SUS316 STELLITE</p> <p>Flow characteristic EQ%</p> <p>Bonnet type PLAIN</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</p> <p>Grease ---</p> <p>Air supply 2.7bar</p> <p>Spring range 0.8-2.4bar</p> <p><b>&lt; Accesories &gt;</b></p> <p>Positioner / Signal AVP300-FSD2D-1CYS-X</p> <p>Explosion-proof FM Explosionproof and Flameproof, 1/4 NPT, 1/2</p> <p>Signal 4-20 mADC</p> <p>Regurator KZ03-2B-XX</p> <p>Regulator 2</p> <p>Limit Switch VCX5001</p> <p>Action Full Close on</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>SV0703-102 Indicating unit : "bar"</p> <p>SV0601-001 Air piping Connection: 1/4 NPT</p> <p>SV0801-E02 Material certificate in English. Scope: valve body, bonnet, plug, seat ring (cage) and stem</p> <p>SV0101-001 Flange facing finish : 125AARH</p> <p><b>&lt;Finish&gt;</b></p> <p>Body: M10B5/10</p> <p>Diaph. Case: M10B5/10</p> <p>Yoke: M10B5/10</p> <p>Paint: Salt resistant</p>																																																																																																												
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# Specification Sheet

<p>No.: 8 QTY: 1</p> <p>Tag no. WP-PCV-174</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 ANSI150</p> <p>End connection RF</p> <p>Body material A216WCB</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 V-PTFE</p> <p>Gasket V543</p> <p>Grease ---</p> <p>Air supply 2.7bar</p> <p>Spring range 0.8-2.4bar</p> <p><b>&lt; Accesories &gt;</b></p> <p>Positioner / Signal AVP300-FSD2D-1CYT-X</p> <p>Exprosn-proof FM Explosionproof and Flameproof, 1/4 NPT, 1/2</p> <p>Signal 4-20 Madc</p> <p>Regurator KZ03-2B-XX</p> <p>Regulator 2</p> <p>Limit Switch VCX5001</p> <p>Action Full Close on</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>SV0703-102 Indicating unit : "bar"</p> <p>SV0601-001 Air piping Connection: 1/4 NPT</p> <p>SV0801-E02 Material certificate in English. Scope: valve body, bonnet, plug, seat ring (cage) and stem</p> <p>SV0101-001 Flange facing finish : 125AARH</p> <p><b>&lt;Finish&gt;</b></p> <p>Body: M10B5/10</p> <p>Diaph. Case: M10B5/10</p> <p>Yoke: M10B5/10</p> <p>Paint: Salt resistant</p>																																																																																																												
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# Specification Sheet

<p>No.: 9 QTY: 1</p> <p>Tag no. WP-PCV-274</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 ANSI150</p> <p>End connection RF</p> <p>Body material A216WCB</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 V-PTFE</p> <p>Gasket V543</p> <p>Grease ---</p> <p>Air supply 2.7bar</p> <p>Spring range 0.8-2.4bar</p> <p><b>&lt; Accessories &gt;</b></p> <p>Positioner / Signal AVP300-FSD2D-1CYT-X</p> <p>Explosion-proof FM Explosionproof and Flameproof, 1/4 NPT, 1/2</p> <p>Signal 4-20 Madc</p> <p>Regurator KZ03-2B-XX</p> <p>Regulator 2</p> <p>Limit Switch VCX5001</p> <p>Action Full Close on</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>SV0703-102 Indicating unit : "bar"</p> <p>SV0601-001 Air piping Connection: 1/4 NPT</p> <p>SV0801-E02 Material certificate in English. Scope: valve body, bonnet, plug, seat ring (cage) and stem</p> <p>SV0101-001 Flange facing finish : 125AARH</p> <p><b>&lt;Finish&gt;</b></p> <p>Body: M10B5/10</p> <p>Diaph. Case: M10B5/10</p> <p>Yoke: M10B5/10</p> <p>Paint: Salt resistant</p>																																																																																																										
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