

Specification Sheet

| <p>No.: 1 QTY: 1</p> <p>Tag no. ZONE 1</p> <p>Service</p> <p>< Specification ></p> <p>Model ACT</p> <p>Description New10-III Series 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 JIS10K</p> <p>End connection RF</p> <p>Body material SCPH2</p> <p>Trim material SUS316 STELLITE</p> <p>Flow characteristic %C</p> <p>Bonnet type PLAIN</p> <p>Actuator PSK1</p> <p>Manual operator ---</p> <p>Valve action REVERSE(Air fail close)</p> <p>Gland packing V133+SM636</p> <p>Gasket V543(PTFE)</p> <p>Grease ---</p> <p>Air supply 2.8kgf/cm2</p> <p>Spring range 0.8-2.4kgf/cm2</p> <p>< Accesories ></p> <p>Positioner / Signal AVP300</p> <p>Explosion-proof</p> <p>Signal 4-20 Madc</p> <p>Regurator KZ03-2A-XX</p> | <p>Product no.:</p> <p><Option></p> <p>SV0703-105 Indicating unit : "kgf/cm2"</p> <p>SV0601-000 Air piping Connection: Rc1/4</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|-----|-----|----------|------|-----------|-----|--|--|------|----------------|---|--|--|----------|-----------------|--|--|--|----------|----------------|-----|--|--|---------|-----------------|--|---|--|---------|-------------|-----|--|--|------|---------------|--|--|--|---------|---------------------|--|--|--|----|-----------|--|--|--|----|-------|--|--|--|---|----------|------|--|--|------|--------|--|--|--|-----|---------------|-------|--|--|--|--------|--|--|--|---|--|---------------|----------|--------------|------|------------------|------|--------------------|----|
| <p>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><Finish></p> <p>Body: M10B5/10</p> <p>Diaph. Case: M10B5/10</p> <p>Yoke: M10B5/10</p> <p>Paint: Standard</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: center;">MAX</th> <th style="text-align: center;">NOR</th> <th style="text-align: center;">MIN</th> <th style="text-align: left;">UNIT</th> </tr> </thead> <tbody> <tr> <td>Flow rate</td> <td style="text-align: center;">511</td> <td></td> <td></td> <td>kg/h</td> </tr> <tr> <td>Inlet pressure</td> <td style="text-align: center;">5</td> <td></td> <td></td> <td>kgf/cm2G</td> </tr> <tr> <td>Outlet pressure</td> <td></td> <td></td> <td></td> <td>kgf/cm2G</td> </tr> <tr> <td>Diff. pressure</td> <td style="text-align: center;">0.5</td> <td></td> <td></td> <td>kgf/cm2</td> </tr> <tr> <td>Shut-off press.</td> <td></td> <td style="text-align: center;">5</td> <td></td> <td>kgf/cm2</td> </tr> <tr> <td>Temperature</td> <td style="text-align: center;">159</td> <td></td> <td></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></td> <td></td> <td></td> <td>MW</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 style="text-align: center;">0.09</td> <td></td> <td></td> <td>Mach</td> </tr> <tr> <td>S.P.L.</td> <td></td> <td></td> <td></td> <td>dBA</td> </tr> <tr> <td>Calculated Cv</td> <td style="text-align: center;">15.59</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Travel</td> <td></td> <td></td> <td></td> <td>%</td> </tr> </tbody> </table> | Fluid name | MAX | NOR | MIN | UNIT | Flow rate | 511 | | | kg/h | Inlet pressure | 5 | | | kgf/cm2G | Outlet pressure | | | | kgf/cm2G | Diff. pressure | 0.5 | | | kgf/cm2 | Shut-off press. | | 5 | | kgf/cm2 | Temperature | 159 | | | degC | Sp.Gr. (liq.) | | | | water=1 | Sp.Gr. (gas, vapor) | | | | MW | Viscosity | | | | cP | Flash | | | | % | Velocity | 0.09 | | | Mach | S.P.L. | | | | dBA | Calculated Cv | 15.59 | | | | Travel | | | | % | <p><Seat Leakage></p> <p><Note> Tokumi: V93-8800-00 - 1</p> <p>Existing Valve Prod. No. R-73068-41-040</p> <p><Line spec></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td>Design press.</td> <td style="text-align: right;">kgf/cm2G</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. | kgf/cm2G | Design temp. | degC | Line size in/out | inch | Line Sch. / Thick. | mm |
| Fluid name | MAX | NOR | MIN | UNIT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Flow rate | 511 | | | kg/h | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inlet pressure | 5 | | | kgf/cm2G | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outlet pressure | | | | kgf/cm2G | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Diff. pressure | 0.5 | | | kgf/cm2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shut-off press. | | 5 | | kgf/cm2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Temperature | 159 | | | degC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sp.Gr. (liq.) | | | | water=1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sp.Gr. (gas, vapor) | | | | MW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Viscosity | | | | cP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Flash | | | | % | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Velocity | 0.09 | | | Mach | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S.P.L. | | | | dBA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Calculated Cv | 15.59 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Travel | | | | % | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Design press. | kgf/cm2G | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Design temp. | degC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Line size in/out | inch | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Line Sch. / Thick. | mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

