### MST Technical Specifications

**Dimensions (in Inches)**

<table>
<thead>
<tr>
<th>Model</th>
<th>Size</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>J</th>
<th>K</th>
<th>L</th>
<th>M</th>
<th>N</th>
<th>P</th>
<th>Approx Weight (lb)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1008</td>
<td>14</td>
<td>13-3/4</td>
<td>11</td>
<td>7</td>
<td>8</td>
<td>1-3/8</td>
<td>2-3/4</td>
<td>7</td>
<td>13</td>
<td>11</td>
<td>3/8</td>
<td>2</td>
<td>5</td>
<td>1/2</td>
<td>245</td>
</tr>
<tr>
<td></td>
<td>1614</td>
<td>20</td>
<td>17-1/2</td>
<td>15-1/2</td>
<td>10</td>
<td>14</td>
<td>1-15/16</td>
<td>3-1/2</td>
<td>13</td>
<td>9-1/2</td>
<td>18</td>
<td>3/8</td>
<td>2</td>
<td>6</td>
<td>1/2</td>
<td>443</td>
</tr>
<tr>
<td></td>
<td>2422</td>
<td>30</td>
<td>24-7/8</td>
<td>22-7/8</td>
<td>15-1/2</td>
<td>22</td>
<td>2-3/4</td>
<td>4</td>
<td>15</td>
<td>9-3/8</td>
<td>26-1/2</td>
<td>5-1/2</td>
<td>1/2</td>
<td>6</td>
<td>1/2</td>
<td>2285</td>
</tr>
<tr>
<td></td>
<td>3026</td>
<td>38</td>
<td>30-1/2</td>
<td>27</td>
<td>18-1/2</td>
<td>26</td>
<td>3-15/16</td>
<td>6</td>
<td>19</td>
<td>3-1/2</td>
<td>31-1/2</td>
<td>3/4</td>
<td>6</td>
<td>9-8</td>
<td>1-1/8</td>
<td>2400</td>
</tr>
</tbody>
</table>

**MSI Technical Specifications**

**Dimensions (in Inches)**

<table>
<thead>
<tr>
<th>Model</th>
<th>Size</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>J</th>
<th>K</th>
<th>L</th>
<th>M</th>
<th>N</th>
<th>P</th>
<th>Approx Weight (lb)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1008</td>
<td>14</td>
<td>13-3/4</td>
<td>11</td>
<td>7</td>
<td>4</td>
<td>1-3/8</td>
<td>2-3/4</td>
<td>7</td>
<td>3/8</td>
<td>2</td>
<td>4</td>
<td>1/2</td>
<td>8</td>
<td>1-1/2</td>
<td>245</td>
</tr>
<tr>
<td></td>
<td>1614</td>
<td>20</td>
<td>17-1/2</td>
<td>15-1/2</td>
<td>10</td>
<td>14</td>
<td>1-15/16</td>
<td>3-1/2</td>
<td>13</td>
<td>9-1/2</td>
<td>18</td>
<td>3/8</td>
<td>2</td>
<td>6</td>
<td>1/2</td>
<td>443</td>
</tr>
<tr>
<td></td>
<td>2422</td>
<td>30</td>
<td>24-7/8</td>
<td>22-7/8</td>
<td>15-1/2</td>
<td>22</td>
<td>2-3/4</td>
<td>4</td>
<td>15</td>
<td>9-3/8</td>
<td>26-1/2</td>
<td>5-1/2</td>
<td>1/2</td>
<td>6</td>
<td>1/2</td>
<td>2285</td>
</tr>
</tbody>
</table>

T*: Offset dimension from centerline of inlet to centerline of discharge. Subject to change without notice. Dimensions are approximate; for installation request certified drawings.

**RUGGED CONSTRUCTION • MODULAR DESIGN • LOW MAINTENANCE**

The HEART of YOUR Pneumatic Conveying System

Andritz Rotary Valves are RUGGED and TROUBLE-FREE. Ideal to use as feeders and air-locks for Vacuum and Low-Pressure Positive Systems.

Andritz Rotary Valves help your pneumatic system achieve peak performance. Precision-crafted to maintain proper air seals, our rotary valves are rugged and dependable, even when you’re conveying abrasives and corrosives.

With many models, sizes and construction materials, the Andritz Rotary Valve is a versatile component in most dilute-phase pneumatic conveying and feeding systems.

**A Range of Sizes, Models and Materials**

Andritz Rotary Valves are available in 3 models:

- **MST Valve**
- **MSI Valve**
- **Quick Clean™**

Choose from 28 variations of casing, end plates and rotors.

Stock fewer parts with our Modular Construction. End Plates, housings and different Rotor styles are interchangeable in the field.

We back our valves with experienced service technicians and stock a full range of components and finished valves. You can count on fast, dependable delivery of valves and replacement parts.

To discuss your applications, request a quote or need more information contact our Technical Representatives at 1-800-446-8629. Visit andritzsprout.com

---

*Andritz’s registered Trademark, service marks, word marks and logos, including Andritz may not be used or reproduced without permission. Any individual, organization or company wishing to use Andritz and trademarks must obtain the right to do so in writing from Andritz.*

**Andritz Feed & Biofuel**
336 West Penn Street, Muncy PA 17756-1202, USA
Phone: 800/446-8629   FAX: 570/546-1615
www.andritz.com
For over 60 years Andritz has been designing pneumatic systems and manufacturing components. The Rotary Valve effects both the operating performance and the efficiency of a pneumatic system. Through the evolution of producing high quality Rotary Valve, Andritz as incorporated many features that help the valves endure many difficult product processes.

**Features**
- Permits Service to 15 PSI
- Split Packing Glands
- Easy Access to stuffing boxes, reducing maintenance time.
- Integral Stuffing Boxes
- 4 Packing Rings and Air Purge inlets in the end plates, increase packing life and reduce maintenance costs
- Outboard Bearings
- Prevent product contamination
- 3/4" Clearance between closed-end rotor and casing end plate minimizes packing of product
- Precision Machining with normal radial clearance rotor-to-tip of 0.002" to 0.004" minimizes leakage
- Close-End, 8-Blade Rotor design provides superior, two-blade sealing without loss of pocket capacity.

**Options**
- Right Angle Gear Motors
- Variable Speed Drives
- Weather or Oil Tight Guards
- Motion Switches
- Shearpin Sprockets
- Lantern Rings

**MST Valve**

- Rugged construction - Cast Iron, Stainless Steel, or Cast Iron Lined with Chrome - permits service to 15psi
- Easy access to MST valve interior with a Full Length Inspection Panel.
- With the valve still in service - BUT ELECTRONICALLY LOCKED OUT, you can change, remove or adjust rotor tips, check for damage, and clean out product from rotor pockets. Panel must be bolted into position before operation.
- MST V-Plow Inlet minimizes torque required.

**MSI Valve**

- Side Inlet Valve reduces shearing or breaking of granular, free flowing product.
- Modular Rotary Valves are usually equipped with enclosed roller chain drives, parallel shaft reducer and C-Face or Gear Motor Drive packages.

**Quick Clean™ Rotary Valve**

- Each packing house has space to accommodate 4 packing rings, or 3 rings of packing with a lantern ring (for purging). Our 4-ring packing arrangement increases packing life and cuts maintenance costs.
- Use a Quick Clean™ Rotary Valve where cross-contamination is a major concern and lengthy shut-downs for clean-outs are cost-prohibitive.

In keeping with our modular concept the Quick Clean™ Rotor may be installed with any Andritz MST or MSI Rotary Valve to up and including 16" diameter rotor size. No additional headroom is needed when replacing or retrofitting our conventional rotors with our Quick Clean™ Design.

- All conventional pressures, temperature and capacity parameters are satisfied.
- Typical applications include Plastic Pellets, Plastic Resins, and Chemicals.

**Quick Clean™ Features**
- Full length inspection panel is provided on Drop-Through Model valves
- Outboard Bearing design prevents product from contamination.
- Split Packing Gland is equipped with integral stuffing boxes with 4 rings of packing and taps for air purge.
- MST Drop-Through and MSI Side Inlet valves can be retrofitted with the new Quick-Clean Rotor.

- Abrasive and Corrosive Systems
- For abrasive applications, the rotor shrouds and the housing bore can be hard-surfaced with a variety of abrasive resistant coatings and inlays, including stellite or tungsten carbide for extreme abrasive conditions. Highly corrosive-resistant alloys are also available.

---

**Modular Rotary Valves** are usually equipped with enclosed roller chain drives, parallel shaft reducer and C-Face or Gear Motor Drive packages.

Andritz Feed & Biofuel
336 West Penn Street, Muncy PA 17756-1202, USA
Phone: 800/446-8629   FAX: 570/546-1615

www.andritz.com