PAV-10 - Rotary Airlock
HEAVY DUTY SERIES ROTARY AIRLOCK VALVE

AVAILABLE FEATURES

• Air purged seals
• Food grade Teflon seals
• Food grade white epoxy paint
• 304 or 316 stainless steel body & rotor
• Hastelloy body and rotor
• Shear pins / Zero speed switch
• High temp bearings & seals for operation to 1100° F
• Wear & corrosion resistant coatings
• Inlet baffle / Inlet v-plow for shear protection
• Discharge adapter / Finger guards
• Bolt on or flexible tips
• Vented pockets / Vented housing
• Die cut flange gaskets
• Manual hand crank or pneumatic maintenance gates available
• Drive: 1 HP, TEFC, or TEXP / Various voltages available

NFPA-69
MSHA
V-Plow
10-Bar
PSR11
CSA

PRATER 10” ROTARY AIRLOCK

• Constructed of high strength cast iron or stainless steel body & end plates
• 8 blade, mild steel, open-end rotor with welded pocket bottoms
• Self-adjusting, maintenance-free packing gland assemblies
• Outboard mounted, maintenance-free bearings
• Universal flanges custom-drilled at no extra charge
• Complimentary temperature compensation
• End plates pre-drilled & tapped for optional shaft air purge
• Quick and easy end plate removal using included jack bolt holes
• Operating temperature up to 500° F with standard components
• Keyed shaft extension for most drive assemblies
• Premium, 1 HP, inverter duty, helical gear motor
• Standard models in stock

praterindustries.com
**Capacity:**
Theoretical: 0.53 cu. Ft. (15.0 L) / rev.  
Practical: 0.42 cu. Ft. (11.93 L) / rev.

**Housing:**
Material: Gray Cast Iron  
Thickness: 0.625” x 0.31”  
15.9 x 7.9 mm

**Flanges:**
Square Outline: Drilled  
Round or Square  
Inlet Size: 10.0” / 254 mm  
Outlet Size: 10.0” / 254 mm  
Thickness: 0.5” / 12.7 mm

**Bearsings:**
Type: Ball Bearing  
Size: 1.44” / 36.5 mm  
Life Rating L-10: > 60,000 hours  
Outboard Mounted: Yes

**Shaft:**
Material: Mild or Stainless Steel  
Drive Stub Shaft D: 1.44” / 36.5 mm  
Packing Seal: Abrasion Resistant

**Drive Includes:**
1.0 Hp, 60Hz, 3 Ph  
230/460 V. Motor, Motor Base  
Gear Reducer, Chain Drive  
TEFC & OSHA Guard

**Approx. Weight & Dimensions:**
**Airlock Only**  
Length: 25-3/16” / 640 mm  
Width: 15.0” / 381 mm  
Height: 15.0” / 381 mm  
Weight: 230 lbs / 104 kg  
Shipping Weight: 275 lbs / 125 kg

**With Drive & Standard Guard:**  
Length: 27-1/4” / 692 mm  
Width: 25-3/4” / 654 mm  
Height: 16-3/4” / 425 mm  
Weight: 280 lbs / 127 kg  
Shipping Weight: 325 lbs / 147 kg

**Sound Level:**  
< 75 db scale A

**Paint:**
Primer: Gray Chromate  
Finish: White, Urethane

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**TABLE**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DISPLACEMENT (CU. FT/REV)</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>I</th>
<th>J</th>
<th>K</th>
<th>L</th>
<th>M</th>
<th>N</th>
<th>O</th>
<th>P</th>
<th>Q</th>
<th>HOLE (QTY)</th>
<th>KEYWAY W X D</th>
<th>DRIVE SHAFT DIAM.</th>
<th>FLANGE THK.</th>
<th>WEIGHT W/ DRIVE (LBS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAV-10</td>
<td>.53</td>
<td>10</td>
<td>15</td>
<td>10</td>
<td>14</td>
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