PAV-6 - 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: 1/2 HP, TEFC, or TEXP / Various voltages available

PRATER 6” 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, 1/2 HP, inverter duty, helical gear motor
• Standard models in stock

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

praterindustries.com

Perfectly Matched Performance
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**Capacity:**
- Theoretical: 0.15 cu. Ft. (4.3 L) / rev.
- Practical: 0.12 cu. Ft. (3.4 L) / rev.

**Housing:**
- Material: Gray Cast Iron
- Thickness: 0.38” x 0.31”
- 9.5 x 7.9 mm

**Flanges:**
- Square Outline: Drilled
- Round or Square
- Inlet Size: 6.0” / 152 mm
- Outlet Size: 6.0” / 152 mm
- Thickness: 0.31” / 7.9 mm

**Bears:**
- Type: Ball Bearing
- Size: 1.0” / 25.4 mm
- Life Rating L-10: > 60,000 hours
- Outboard Mounted: Yes

**Shaft:**
- Material: Mild or Stainless Steel
- Drive Stub Shaft D: 1.00” / 25.4 mm
- Packing Seal: Abrasion Resistant

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

**Approx. Weight & Dimensions:**
- **Airlock Only**
  - Length: 19-3/8” / 492 mm
  - Width: 10.0” / 254 mm
  - Height: 10.0” / 254 mm
  - Weight: 70 lbs / 32 kg
  - Shipping Weight: 90 lbs / 41 kg

- **With Drive & Standard Guard:**
  - Length: 27-1/4” / 692 mm
  - Width: 27-1/16” / 687 mm
  - Height: 16-3/4” / 425 mm
  - Weight: 145 lbs / 66 kg
  - Shipping Weight: 180 lbs / 82 kg

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

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