



PAV-12 - Rotary Airlock

HEAVY DUTY SERIES ROTARY AIRLOCK VALVE



PRATER 12" ROTARY AIRLOCK

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: 1.5 HP, TEFC, or TEXP / Various voltages available



- 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, 1.5 HP, inverter duty, helical gear motor
- Standard models in stock

NFPA-69

MSHA

V-Plow

10-Bar

PSR11

CSA

**THE ONLY AIRLOCK
IN NORTH AMERICA TO BE
TESTED & CERTIFIED
TO COMPLY WITH NFPA-69**



praterindustries.com

Capacity:

Theoretical: 0.95 cu. Ft.
(26.9 L) / rev.
Practical: 0.76 cu. Ft.
(21.5 L) / rev.

Housing:

Material: Gray Cast Iron
Thickness: 0.875" x 0.31"
22.2 x 7.9 mm

Flanges:

Square Outline: Drilled
Round or Square
Inlet Size: 12.0" / 305 mm
Outlet Size: 12.0" / 305 mm
Thickness: 0.5" / 12.7 mm

Bearings:

Type: Ball Bearing
Size: 1.94" / 49.3 mm
Life Rating L-10: > 60,000 hours
Outboard Mounted: Yes

Shaft:

Material: Mild or Stainless Steel
Drive Stub Shaft D: 1.75" / 44.5 mm
Packing Seal: Abrasion Resistant

Drive Includes:

1.5 Hp, 60Hz, 3 Ph
230/640 V. Motor, Motor Base
Gear Reducer, Chain Drive
TEFC & OSHA Guard

**Approx. Weight & Dimensions:
Airlock Only**

Length: 29-15/16" / 760 mm
Width: 18.0" / 457 mm
Height: 18-1/8" / 460 mm
Weight: 420 lbs / 191 kg
Shipping Weight: 465 lbs / 211 kg

With Drive & Standard Guard:

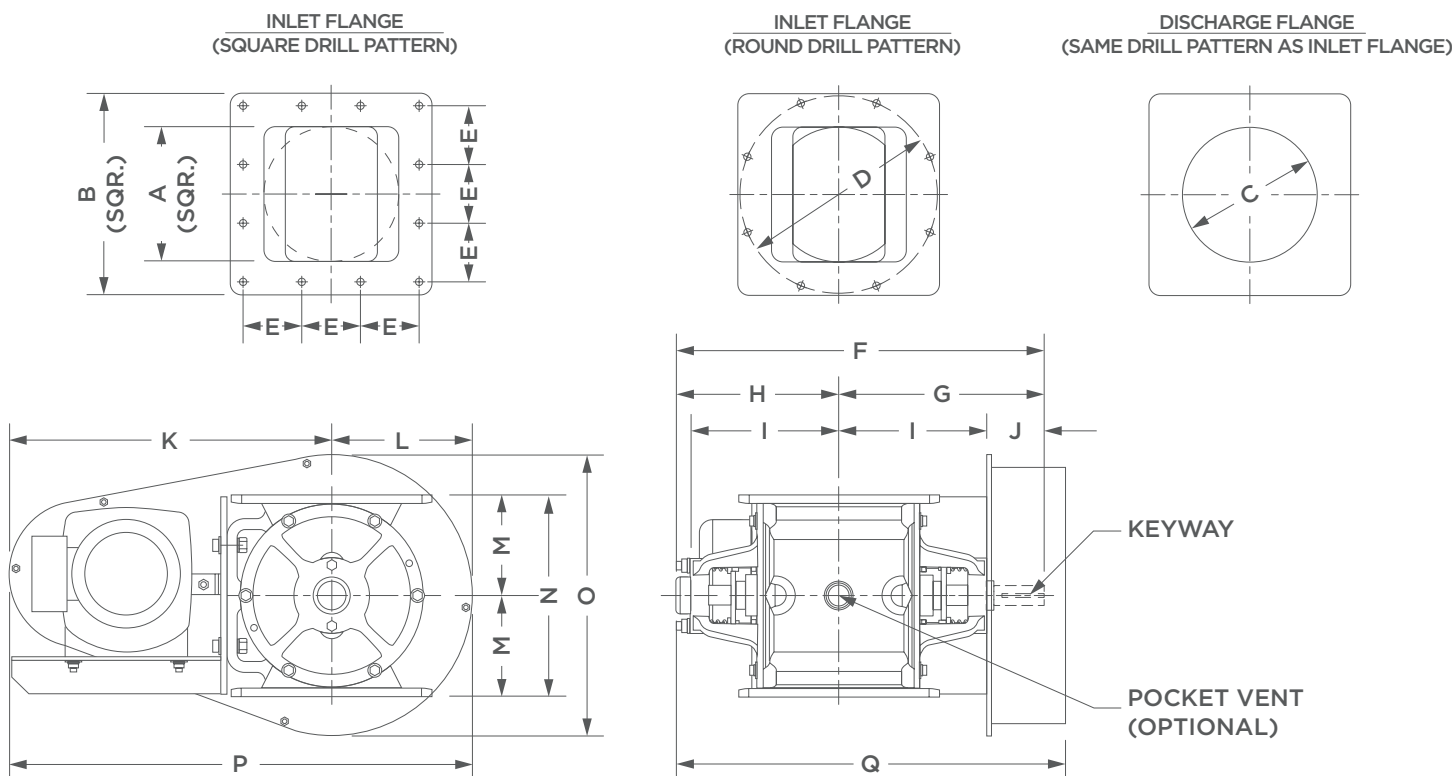
Length: 37-15/32" / 952 mm
Width: 30-7/16" / 773 mm
Height: 19-1/8" / 486 mm
Weight: 560 lbs / 254 kg
Shipping Weight: 605 lbs / 275 kg

Sound Level:

< 75 db scale A

Paint:

Primer: Gray Chromate
Finish: White, Urethane



MODEL	DISPLACEMENT (CU. FT./REV)	DIMENSIONS (INCHES)														HOLE (QTY)	KEYWAY W X D	DRIVE SHAFT DIA.	FLANGE THK.	WEIGHT (LBS)	WEIGHT W/ DRIVE (LBS)		
		A	B	C	D	E	F	G	H	I	J	K	L	M	N							O	P
PAV-12	.95	12	18	12	17	7 3/4	29 15/16	16 11/16	13 1/4	12 3 3/8	27 29/32	9 9/16	9 1/16	18 1/8	19 1/8	37 15/32	30 7/16	8	3/8 x 3/16	1 3/4	5/8	420	560



2 Sammons Court, Bolingbrook, IL 60440
1-877-AIRLOCK (247-5625) • praterindustries.com