QTA Rotary Airlock
Quick-Take-Apart (QTA) SERIES

No tools are necessary for disassembly, cleaning and re-assembly of these airlocks.

Available in 6”, 8”, 10” and 12” sizes. These “QTA” Airlocks have all the standard features of the entire Prater line of “C/S” Airlocks that includes the exclusive Self-Adjusting Packing Glands and the Round or Square drilling pattern flanges. They are available in stainless steel (304 or 316) and mild steel cast body with cast end plates.

- The Basic Valve Consists Of A Cast Iron Body And End Plates
- Square Inlet And Round Outlet- With Universal Flange
- Flanges Custom Drilled To Customer’s Pattern
- End Plates Are Drilled And Tapped For Optional Air Purged Seals
- 8 Blade, Mild Steel, Open Ended Rotor With Welded Pocket Bottoms
- (2) Sealed Outboard Bearings - Lubricated For Life
- Jack Bolt Holes Are Drilled In End Plates For Quick And Easy Removal
- (2) Self Adjusting Packing Gland Assemblies
- Slide Rail Option Available

### AVAILABLE OPTIONS
- Air Purge Seals
- Food Grade White Epoxy Paint
- Inlet Baffle
- Discharge Adapter
- Vented Pockets
- Neoprene Flange Gasket

### Bearings
- Type: Ball Bearing
- Life Rating L-1Q > 60,000 hrs
- Outboard Mounted: Yes

### Housing
- Material: Cast Iron 316 SS

### Flanges
- Square Outline: Drilled Round or Square

### Sound Level
- < 75 db scale A

### Rotor
- Type: Fabricated
- Material: Mild Steel or SS
- Number of Blades: 8
- Blade Thickness: 0.38” (9.5mm)
- Design Radial Clearance: 0.006” (at operating temp)

### Paint
- Primer: Gray Chromate
- Finish: White Urethane

### Drive Includes
- 60 Hz, 3 Ph, 230/460 V Direct Drive
- Gear Reducer & Motor
- Motor H/P

### QTA-6 C/S
- Model: A 6, B 10, C Dia. 6, D Dia. 9-1/2, H 7/16

### QTA-8 C/S
- Model: J 4-5/16, L 23-1/2, M 19-9/16, N 5, O 7-13/16

### QTA-10 C/S
- Model: P 7-3/16, S 29-1/8, U 29-1/8, V 9, Motor H/P 1/2