



Carolina Conveying

NFPA Design Rotary **Airlocks**



the power
in
powders

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NFPA Design Rotary Airlock

The **NFPA Design Rotary Airlock** is a Heavy-Duty valve that meets and/or exceeds the requirements of NFPA 68 & 69 where rotary valves are used for deflagration isolation systems. These features are standard on Carolina Conveying's Heavy Duty Rotary Airlock range, and are available with Cast Iron and Stainless Steel construction.

NFPA Features

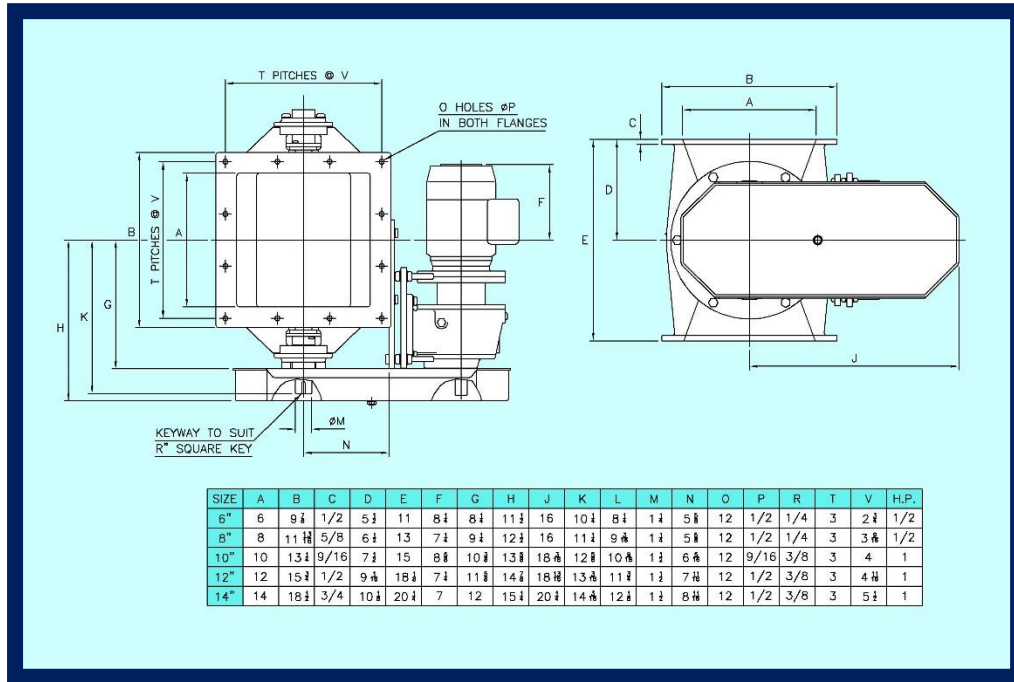
- Heavy Duty Design & Construction
- Maximum 10 bar-g upset pressure
- Maximum Kst of 300 bar-m/sec
- Open End Rotors
- 8 Vanes Standard (exceeds the 6 required)
- Two vanes on each side in contact with the housing at all times
- Precision Machined Body, End Covers & Rotor

- Maximum rotor clearance of 0.0079" (CCI Standard is 0.004" to 0.006")
- Outboard Regreasable Ball Bearings
- 6" through 24" sizes

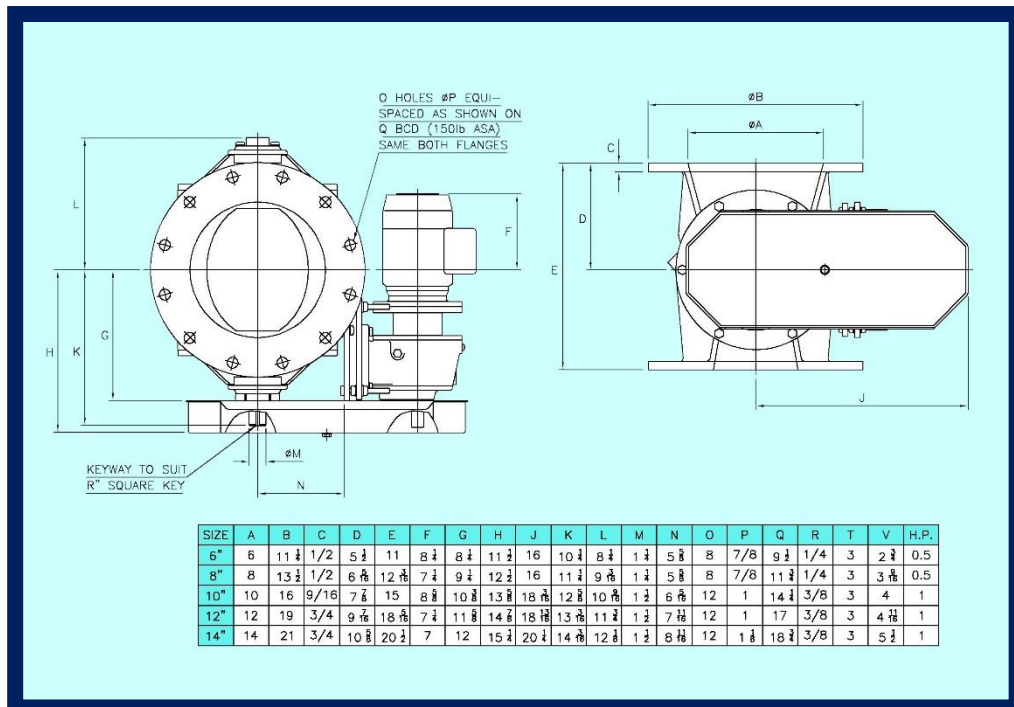
Advantages

- Cast Body and End Covers
- Available in Cast Iron & Cast Stainless Steel
- Abrasion Resistant Options available
- Precision Machined for Tight Tolerances
- Open End Beveled Edge Rotors minimize squealing and jamming
- Extra thick steel rotor vanes provide long life
- ASA 150# Bolt Hole Pattern on Round Units
- High Efficiency Helical Gearboxes
- Compact Design
- C-face motors

Square Inlet Dimensions



Round Inlet Dimensions



All dimensions are in inches.
Dimensions are subject to change without notice.



Carolina Conveying

Heavy Duty Rotary Airlock Range

- Drop Thru Airlock



- Blow Thru Airlock



- Side Entry Airlock



- Easy Clean Airlock

