

# ROTARY AIRLOCKS



## HDX

### Description

The HDX Heavy-Duty Extra-Tough Drop-Thru rotary airlock valves are designed to withstand high temperatures and pressure differentials up to 22 PSI. This legendary design sets the standard by which all others in the industry are measured. It offers the heaviest gauge rotor vane stock of any competing product, extra thick endplates, flanges and housing walls, along with outboard mounted oversized bearings that are prelubricated and permanently sealed to ensure low maintenance and prolonged life. The HDX is available with 6-vane or 8-vane rotor design. Square or round flange housing with cast iron, 304/316 stainless steel or Ni-hard construction.

Square	CFR	Round	CFR
6x6	0.07	6x6	0.07
8x8	0.18	8x8	0.18
10x10	0.36	10x10	0.36
12x12	0.64	12x12	0.64
12x21	1.08	-	-
14x14	1.12	14x14	1.12
16x16	1.62	16x16	1.62
18x18	2.29	-	-
22x22	4.34	-	-
26x26	7.3	-	-
30x30	11.3	-	-
36x36	20	-	-

### FEATURES:

- Available in twelve sizes from 6x6 through 36x36 (round or square flange)
- Larger diameter shafts for less deflection and optimum torque delivery
- Full flow throat design permits maximum flow to rotor pocket
- Permanently sealed bearings ensure protection from contamination
- Special rotor designs: coatings, polishing, shallow pockets and closed end to specifically match your application
- Housing coating options: hard chrome, nickel, teflon, tungsten carbide, chrome carbide and plasma
- Cast iron and stainless steel housings are standard providing maximum structural stability with optional cast materials: inconel, hastelloy, cast steel or aluminum

### Common Service Conditions

- Pressure Rating: 22 PSI
- Maximum Operating Temperature: 1,000°F
- Materials: dry free flowing including: corrosive, hygroscopic, abrasive

### Applications

- Pneumatic Conveying
- Dust Collection
- Pollution Control
- Mixing
- Blending
- Drying
- Weighing
- Feeding

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