

ROTARY AIRLOCK VALVES

S-Series

Semi-Food Grade



The Type 3 airlock is built to handle your sticky or cakey materials and is ideal for semi-food grade applications. The Type 3 is constructed with an epoxy coating of the interior throat for maximum protection, a hard chrome bore, as well as a 304 stainless steel rotor to provide a durable and cost-effective alternative to complete stainless steel.

Features

- Corrosion-resistant
- Constructed with cast iron housing
- Hard chrome plated interior machined surfaces
- Epoxy coated on interior throats
- Open end rotor constructed of 304 stainless steel
- Outboard bearings with 3 molyurethane U-cup packing rings per side
- Chain and sprocket drive with guard

Options

- Relieved tips and vane edges
- High temperature modifications
- Replaceable stainless steel or urethane tips
- Teflon rotor coatings
- Reduced capacity rotors
- Zero speed switches
- Sand blast preparation and custom paint
- Motor mounting brackets
- Supplied with white vinyl closed cell sponge rubber flange gaskets

Semi-Food Grade



Your ONE Stop Source

- Turn-Key Pneumatic Convey & Bulk Storage System
- Bulk bag Unloader
- Loss - in - Weight Feeder
- Blow - thru Adapters
- Carbon Steel, Aluminum, Stainless Steel Convey Tube Pipe, Elbows and Couplings
- Convey line Accessories
- Hoppers and Work Bins
- PD Blower Packages

FOR MORE INFORMATION OR TO PLACE AN ORDER CONTACT IAC TODAY

PB108018

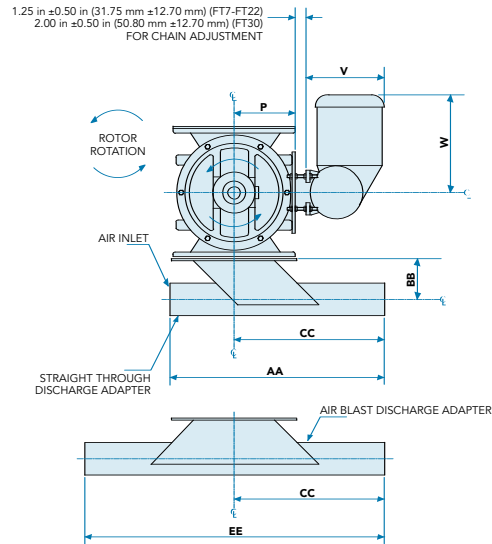
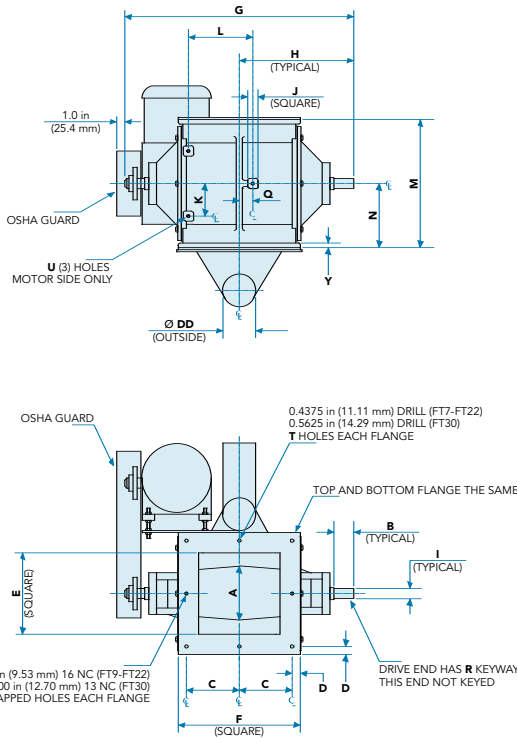
4800 Lamar Avenue / Mission, KS 66202 / USA 800.334.7431

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NOTE:
CENTER MOTOR MOUNTING HOLE IS NOT ALWAYS IN CENTER OF CYLINDER HOUSING (FT7, FT11, FT14, FT18)
SEE DIMENSION Q FOR OFFSET DISTANCE

Feeder Dimensions (Type 3)									
	FT7	FT9	FT11	FT12	FT14	FT16	FT18	FT22	FT30*
A	4-1/4	4-3/4	5-7/8	6-1/2	7-3/4	9	11	11-3/4	16-3/16
B	1-3/4	1-3/4	2	2-1/4	2-1/4	2-1/2	3-1/4	3-3/4	2-5/8
C	4-3/4	5-1/4	5-3/4	6-1/2	5-1/4	5-1/2	6	5	7
D	3/4	3/4	3/4	1	5/8	3/4	1	1	1-1/2
E	6	8	9	10	12	13	15	16	23
F	11	12	13	15	17	18	20	22	31
G	18-3/4	21-3/8	24-9/16	28-1/8	29-11/16	33-1/4	39-5/8	39-7/8	50-3/4
H	9-3/8	10-11/16	12-3/8	14-1/16	14-7/8	16-5/8	19-3/16	19-15/16	25-3/8
I	1	1	1-1/4	1-1/2	1-3/4	1-3/4	2-7/16	2-7/16	3-3/8
J	1	1	1-1/4	1-1/4	1-1/4	1-1/2	1-1/2	1-1/2	1-3/4
K	2-1/4	2-1/2	4	4	5-3/8	5-3/8	6	6	6
L	4	4-1/4	6-1/4	6-1/4	8	8	10-1/8	10-1/8	12-1/4
M	9-7/8	12-1/2	14-5/8	15-3/4	17-5/8	19-5/8	21-3/4	25-7/8	37
N	9-7/8	4-15/16	7-5/16	7-7/8	8-13/16	9-13/16	10-7/8	12-15/16	18-1/2

Feeder Dimensions (Type 3)									
	FT7	FT9	FT11	FT12	FT14	FT16	FT18	FT22	FT30*
P	5-3/8	6-1/4	7-1/4	7-1/2	8-7/8	10-1/8	11-9/16	13-1/4	17-1/2
Q	1-1/18	0	1-3/4	0	1-13/16	0	5/16	0	0
R	1/8x1/4	1/8x1/4	1/8x1/4	1/8x1/4	3/16x3/8	3/16x3/8	5/16x5/8	5/16x5/8	7/16x7/8
S	—	2	2	2	4	4	4	6	6
T	8	6	6	6	8	8	8	10	10
U	3/8-16	3/8-16	3/8-16	3/8-16	1/2-13	1/2-13	1/2-13	1/2-13	5/8-11
Y	3/8	9/16	9/16	9/16	3/4	3/4	3/4	3/4	1
Net Cubic Feet Dispersed Per Revolution									
Closed End Rotor	NA	0.21	0.41	0.64	0.96	1.40	2.30	3.60	9.20
Open End Rotor	0.12	0.27	0.47	0.75	1.10	1.60	2.60	4.00	9.90
Shipping Weight With Motor (lbs.)									
	165	225	295	340	660	780	1060	1400	3800

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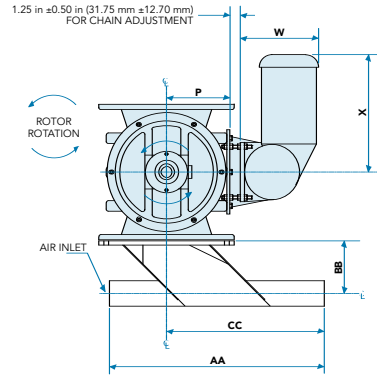
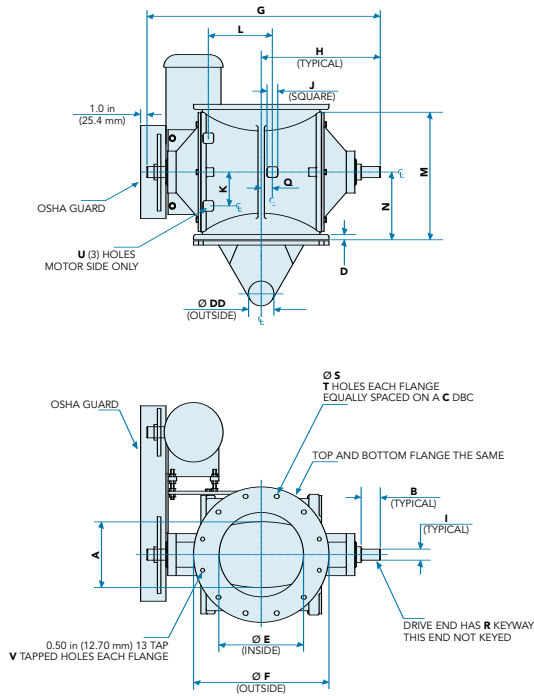
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Feeder Dimensions (Round Flange)		
	FTP9	FTP12
A	5-3/4	7-3/4
B	1-3/4	2-1/4
C	11-3/4	14-1/4
D	5/8	5/8
E	8	10
F	13-1/2	16
G	21-3/8	28-1/8
H	10-11/16	14-1/16
I	1	1-1/2
J	1	1-1/4
K	2-1/2	4
L	4-1/4	6-1/4
M	12-7/8	15-7/8
N	6-7/16	7-15/16

Feeder Dimensions (Round Flange)		
	FTP9	FTP12
P	6-1/4	7-1/2
Q	0	0
R	1/8x1/4	1/8x1/4
S	9/16	9/16
T	8	8
U	3/8-16	3/8-16
V	0	4
Net Cu. Ft. Dispersed Per Revolution		
Closed End Rotor	0.21	0.64
Open End Rotor	0.27	0.75
Shipping Weight With Motor (lbs.)		
	225	340

For Electric Motor Dimensions, contact The Pneu-Service Center.

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