



ROTARY AIRLOCK VALVES

TYPE 1

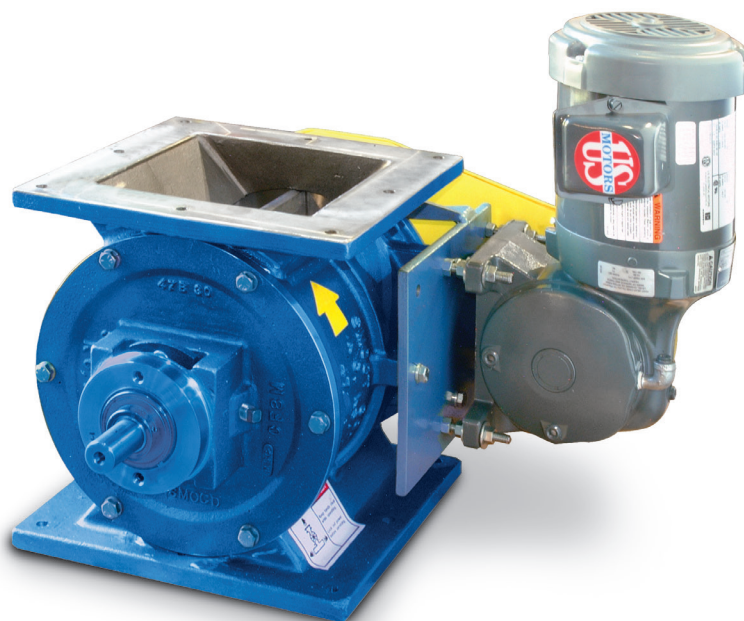
Magnum Systems Type 1 is a basic, yet versatile airlock. With a wide range of options and accessories, and multiple sizes in stock, the Type 1 uses an open end rotor and will operate efficiently in your system.

OUR MOST VERSATILE AIRLOCK

- Our most popular “bread and butter” cast iron rotary valve
- Construction:
 - + Cast iron housing and end-plates with a mild steel open end rotor
 - + Outboard bearing with three molyurethane U-cup packing rings per side.
 - + Chain and sprocket drive with guard
- Available sizes ranging from 7” airlock (0.12CFR) to 22” airlock (4.00 CFR)
- Available with round inlet and outlet in sizes: 9” and 12”
- Can be used as either a feeder or an airlock on any non-abrasive material
- Standard Color: Blue or White
- Available for high temperature applications up to 500°F
- 100% manufactured and assembled in the USA

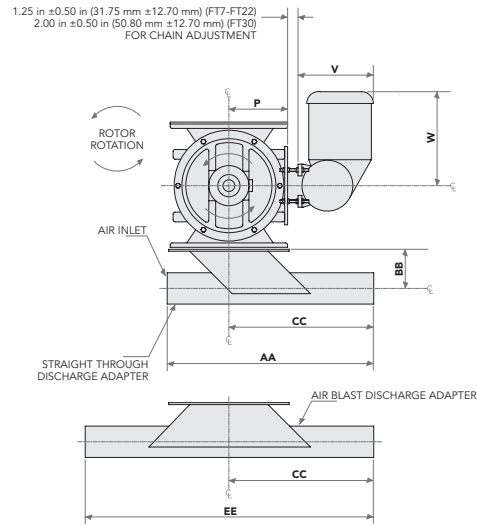
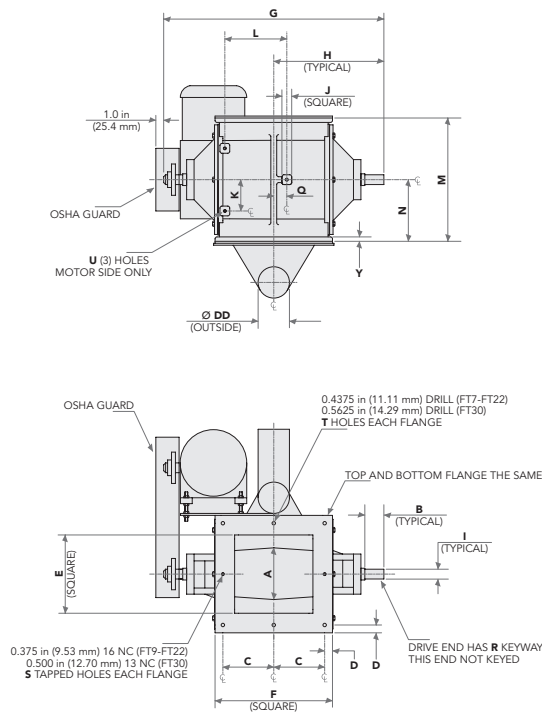
Optional Features

- Relieved tips and vane edge rotors
- High temperature modifications
- Shaft air purge
- Replaceable tips—abrasion resistant carbon steel or urethane flex-tip
- Reduced capacity rotors
- Zero speed switches
- Sand blast preparation and custom paint
- Motor mounting brackets
- Teflon and chrome coatings available



Engineering, Design & Manufacturing
to Keep the Line Moving

ROTARY AIRLOCK VALVES



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

ROTARY VALVE DIMENSIONS TYPE 1

Dimensions (inches)

	FT7	FT9	FT11	FT12	FT14	FT16	FT18	FT22		FT7	FT9	FT11	FT12	FT14	FT16	FT18	FT22
A	4-1/4	4-3/4	5-7/8	6-1/2	7-3/4	9	11	11-3/4	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
B	1-3/4	1-3/4	2	2-1/4	2-1/4	2-1/2	3-1/4	3-3/4	Q	1-1/18	0	1-3/4	0	1-13-16	0	5-16	0
C	4-3/4	5-1/4	5-3/4	6-1/2	5-1/4	5-1/2	6	5	R	1/8X1/4	1/8X1/4	1/8X1/4	1/8X1/4	3/16X3/8	3/16X3/8	3/16X3/8	3/16X3/8
D	3/4	3/4	3/4	1	5/8	3/4	1	1	S	--	2	2	2	4	4	4	6
E	6	8	9	10	12	13	15	16	T	8	6	6	6	8	8	8	10
F	11	12	13	15	17	18	20	22	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
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	Y	3/8	9/16	9/16	9/16	3/4	3/4	3/4	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	CAPACITY PER REVOLUTION								
I	1	1	1-1/4	1-1/2	1-3/4	1-3/4	2-7/16	2-7/16		0.12 FT 3	0.27 FT 3	0.47 FT 3	0.75 FT 3	1.10 FT 3	1.60 FT 3	2.60 FT 3	4.00 FT 3
J	1	1	1-1/4	1-1/4	1-1/4	1-1/2	1-1/2	1-1/2									
K	2-1/4	2-1/2	4	4	5-3/8	5-3/8	6	6									
L	4	4-1/4	6-1/4	6-1/4	8	8	10-1/8	10-1/8									
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									
N	4-15/16	6-1/4	7-5/16	7-7/8	8-13/16	9-13/16	10-7/8	12-15/16									

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