

SECTION 1 ROTARY VALVES

Type 1, Square Flange

PRODUCT DESCRIPTION

The Smoot Type 1 is a basic, yet versatile rotary valve. With a wide range of options and accessories, the Type 1 will operate efficiently in your system.

PRODUCT FEATURES

- Constructed with cast iron housing and end plates
- Open end rotor constructed of A-36 carbon steel
- Outboard bearings with three molyurethane U-cup packing rings per side
- Chain and sprocket drive with guard
- Suitable for conveying most products



OPTIONS

- 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
- Telfon and chrome coatings available

SAFETY NOTICE

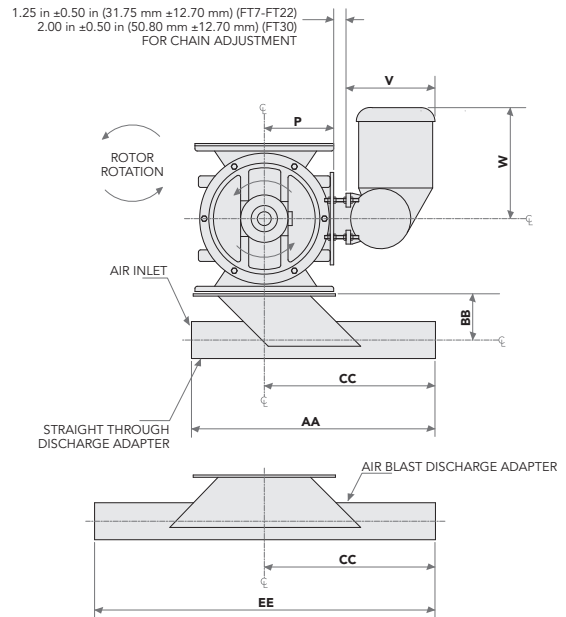
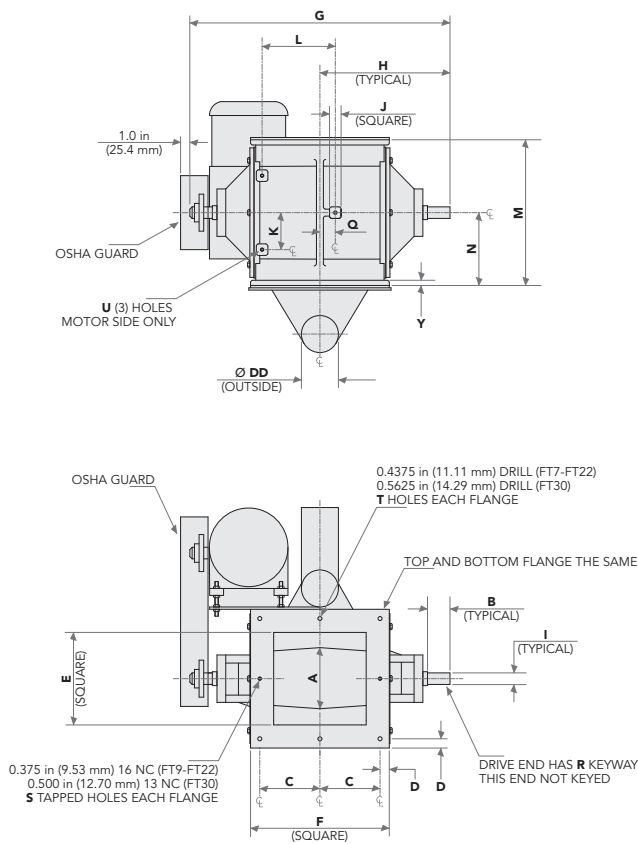
Design Engineers • Technicians • Installers

SAFETY NOTICE

The inlet and outlet of the rotary valve must have proper attachments to prevent anyone from being able to insert their hands, or foreign objects, into the valve when in operation.

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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 1)

	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
B	1-3/4	1-3/4	2	2-1/4	2-1/4	2-1/2	3-1/4	3-3/4
C	4-3/4	5-1/4	5-3/4	6-1/2	5-1/4	5-1/2	6	5
D	3/4	3/4	3/4	1	5/8	3/4	1	1
E	6	8	9	10	12	13	15	16
F	11	12	13	15	17	18	20	22
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
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
I	1	1	1-1/4	1-1/2	1-3/4	1-3/4	2-7/16	2-7/16
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	9-7/8	4-15/16	7-5/16	7-7/8	8-13/16	9-13/16	10-7/8	12-15/16

Feeder Dimensions (Type 1)

	FT7	FT9	FT11	FT12	FT14	FT16	FT18	FT22
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
Q	1-1/18	0	1-3/4	0	1-13/16	0	5/16	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
S	—	2	2	2	4	4	4	6
T	8	6	6	6	8	8	8	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
Y	3/8	9/16	9/16	9/16	3/4	3/4	3/4	3/4
Net Cubic Feet Dispersed Per Revolution								
	FT7	FT9	FT11	FT12	FT14	FT16	FT18	FT22
Open End Rotor	0.12	0.27	0.47	0.75	1.10	1.60	2.60	4.00
Shipping Weight With Motor (lbs.)								
	FT7	FT9	FT11	FT12	FT14	FT16	FT18	FT22
	165	225	295	340	660	780	1060	1400

For Electric Motor Dimensions, contact The Service Center.

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