

# ROTARY AIRLOCK VALVES

## M-Series

### Heavy Duty Side Entry



Side Entry or Offset feeders (HDSE) are commonly used in applications involving relatively large particles that cannot be reduced by shearing between the rotor blades and the housing at the inlet. Side Entry feeders are also used where fines produced by the shearing action might cause damage to the system or create hazards. The inlet and outlet flanges are offset. Material entering the inlet from the side has more time to settle into the pocket of the rotor so particles do not get trapped between the blades and the housing. The housing has a built-in "V" at the inlet assisting positioning of material into the rotor pocket further reducing any possible clipping of material.

#### Features

- Offset inlet and discharge
- "V" type taper on throat inlet
- Larger shaft diameters than competition

#### Benefits

- Provides optimum product flow
- Minimizes product shearing and degradation
- Assures maximum torque delivery

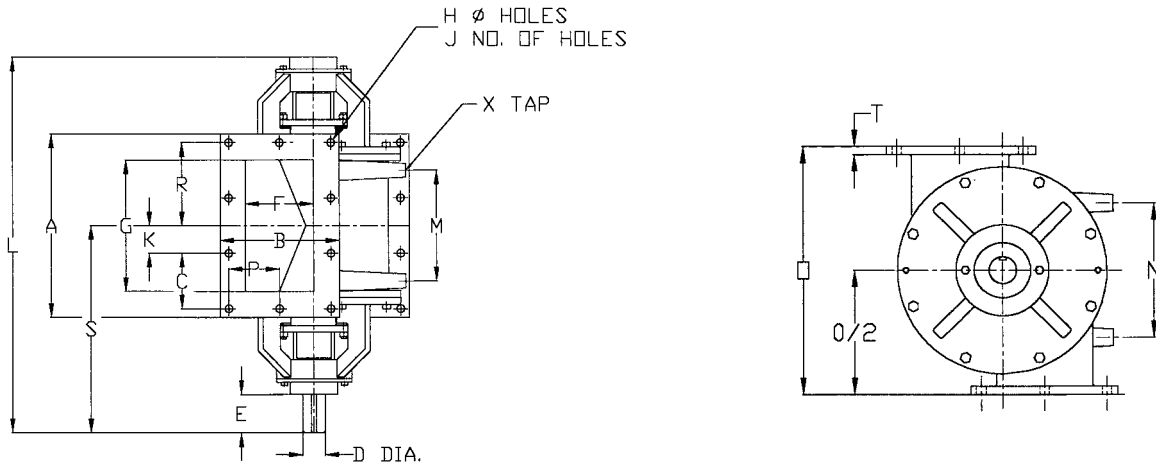


Size	CFR
6x6	0.07
8x8	0.18
10x10	0.36
12x12	0.64
14x14	1.12
16x16	1.62
18x18	2.29
22x22	4.34

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### Heavy Duty Side Entry



Dimensions (In Inches)  
HEAVY DUTY, SIDE ENTRY, DROP-THRU SERIES

SIZE	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	R	S	T	W†	X
6 x 6	9 <sup>1</sup> / <sub>2</sub>	6 <sup>3</sup> / <sub>4</sub>	-	1 <sup>1</sup> / <sub>8</sub>	2 <sup>3</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>2</sub>	5 <sup>1</sup> / <sub>2</sub>	7 <sup>1</sup> / <sub>16</sub>	6	1 <sup>7</sup> / <sub>8</sub>	20 <sup>1</sup> / <sub>16</sub>	4 <sup>5</sup> / <sub>16</sub>	5 <sup>5</sup> / <sub>8</sub>	10	2 <sup>7</sup> / <sub>8</sub>	4 <sup>1</sup> / <sub>4</sub>	11 <sup>3</sup> / <sub>16</sub>	3 <sup>3</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>4</sub> X 1 <sup>1</sup> / <sub>8</sub> X 2	3 <sup>3</sup> / <sub>8</sub> -16
8 x 8	11	7 <sup>1</sup> / <sub>2</sub>	-	1 <sup>3</sup> / <sub>8</sub>	2 <sup>11</sup> / <sub>16</sub>	4	7 <sup>1</sup> / <sub>2</sub>	7 <sup>1</sup> / <sub>16</sub>	6	2 <sup>1</sup> / <sub>2</sub>	21 <sup>13</sup> / <sub>16</sub>	6	7 <sup>1</sup> / <sub>4</sub>	12	3	4 <sup>7</sup> / <sub>8</sub>	12 <sup>1</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>2</sub>	5 <sup>5</sup> / <sub>16</sub> X 5 <sup>5</sup> / <sub>32</sub> X 2	3 <sup>3</sup> / <sub>8</sub> -16
10 x 10	13 <sup>1</sup> / <sub>4</sub>	8 <sup>3</sup> / <sub>4</sub>	4	1 <sup>5</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>2</sub>	5	9 <sup>1</sup> / <sub>2</sub>	9 <sup>9</sup> / <sub>16</sub>	10	2	26 <sup>3</sup> / <sub>4</sub>	8	8 <sup>1</sup> / <sub>8</sub>	15	3 <sup>3</sup> / <sub>4</sub>	6	14 <sup>5</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>2</sub>	3 <sup>3</sup> / <sub>8</sub> X 3 <sup>3</sup> / <sub>16</sub> X 2	1 <sup>1</sup> / <sub>2</sub> -13
12 x 12	16 <sup>1</sup> / <sub>4</sub>	11	4 <sup>7</sup> / <sub>8</sub>	2	3 <sup>1</sup> / <sub>2</sub>	6	11 <sup>1</sup> / <sub>4</sub>	9 <sup>9</sup> / <sub>16</sub>	10	2 <sup>7</sup> / <sub>16</sub>	34 <sup>1</sup> / <sub>4</sub>	9 <sup>3</sup> / <sub>4</sub>	10 <sup>1</sup> / <sub>2</sub>	18 <sup>1</sup> / <sub>4</sub>	4 <sup>11</sup> / <sub>16</sub>	7 <sup>5</sup> / <sub>16</sub>	18 <sup>7</sup> / <sub>8</sub>	5 <sup>5</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>2</sub> X 1 <sup>1</sup> / <sub>4</sub> X 3	1 <sup>1</sup> / <sub>2</sub> -13
14 x 14	19	12	4 <sup>1</sup> / <sub>4</sub>	2 <sup>3</sup> / <sub>16</sub>	4 <sup>1</sup> / <sub>4</sub>	7	14	9 <sup>9</sup> / <sub>16</sub>	12	4 <sup>1</sup> / <sub>4</sub>	38 <sup>1</sup> / <sub>2</sub>	12	9 <sup>1</sup> / <sub>4</sub>	21	5	8 <sup>1</sup> / <sub>2</sub>	21 <sup>3</sup> / <sub>8</sub>	5 <sup>5</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>2</sub> X 1 <sup>1</sup> / <sub>4</sub> X 4	1 <sup>1</sup> / <sub>2</sub> -13
16 x 16	22	14	5	2 <sup>1</sup> / <sub>2</sub>	4	8	16	9 <sup>9</sup> / <sub>16</sub>	12	5	41 <sup>1</sup> / <sub>4</sub>	14	12	24	6	10	22 <sup>5</sup> / <sub>8</sub>	5 <sup>5</sup> / <sub>8</sub>	5 <sup>5</sup> / <sub>8</sub> X 5 <sup>5</sup> / <sub>16</sub> X 4	1 <sup>1</sup> / <sub>2</sub> -13
18 x 18	24	15	5 <sup>1</sup> / <sub>4</sub>	2 <sup>1</sup> / <sub>2</sub>	4	9	18	11 <sup>1</sup> / <sub>16</sub>	12	5 <sup>1</sup> / <sub>4</sub>	43 <sup>1</sup> / <sub>4</sub>	16	12	27	6	10 <sup>1</sup> / <sub>2</sub>	23 <sup>5</sup> / <sub>8</sub>	1	5 <sup>5</sup> / <sub>8</sub> X 5 <sup>5</sup> / <sub>16</sub> X 4	1 <sup>1</sup> / <sub>2</sub> -13
22 x 22	28	17	5	2 <sup>1</sup> / <sub>2</sub>	4	11	22	11 <sup>1</sup> / <sub>16</sub>	16	2 <sup>1</sup> / <sub>2</sub>	47 <sup>1</sup> / <sub>4</sub>	20	12	31	7 <sup>1</sup> / <sub>2</sub> ‡	12 <sup>1</sup> / <sub>2</sub>	25 <sup>5</sup> / <sub>8</sub>	1	5 <sup>5</sup> / <sub>8</sub> X 5 <sup>5</sup> / <sub>16</sub> X 4	1 <sup>1</sup> / <sub>2</sub> -13

‡ No hole on center line—holes straddle center line.  
† Key way in shaft—width x depth x length.

### Your ONE Stop Source

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