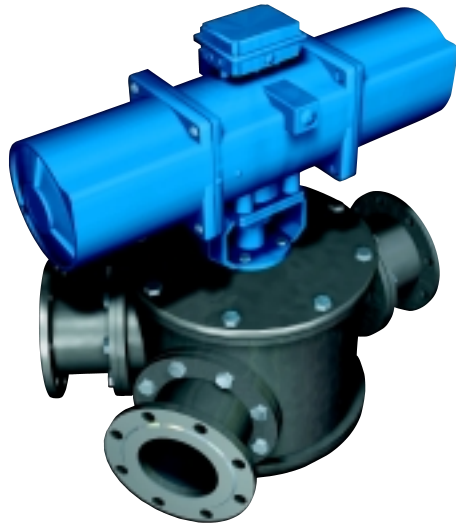




DIVERTER VALVE - Ball

PNEUMATIC CONVEYING SYSTEMS



OVERVIEW

Cyclonaire's ball style diverter valve is ideally suited for high pressure (100+ PSIG), high temperature (up to 320°F) conveying when variable angle divergence or convergence of material flow is required.

The 3-way, vortex design is offered in seven configurations for challenging pipe layouts.

The actuator rotates up to 135° for maximum flexibility.

The valve bearings are o-ring protected and actuator covered limit switches in your choice of NEMA ratings combine to deliver tough performance.

APPLICATIONS

- Proven for semi-dense, dense and dilute phase systems
- Ideal for multiple source convergence as well as multiple destination divergence

MATERIALS / CHARACTERISTICS

- Any dry material conveyed under pressure or vacuum

CAPACITY

- 1.5" through 12" diameter, as per sizing chart (see back side)

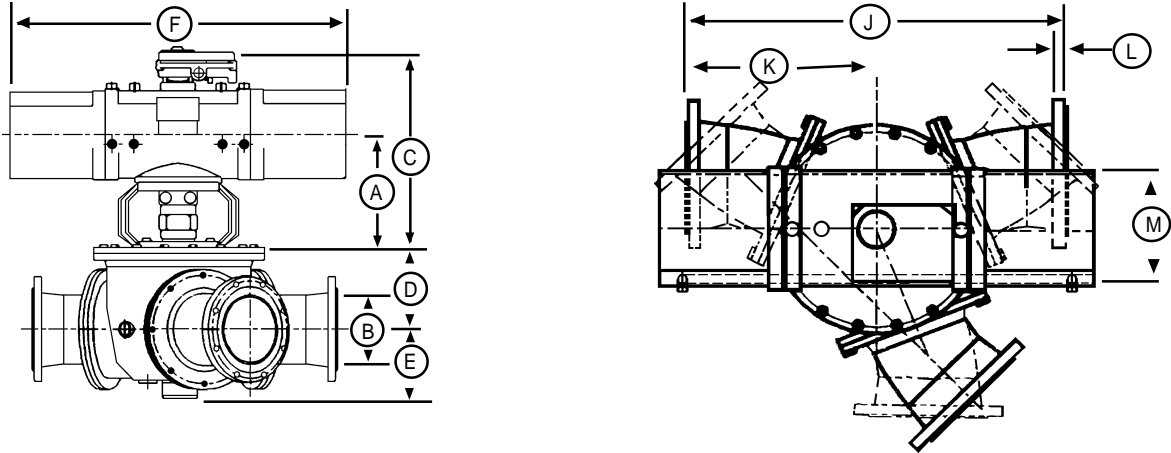
BENEFITS AND FEATURES

- Obstruction-free flow
- 3-way, vortex design is offered in seven configurations for maximum installation flexibility
- Resilient valve seat prevents material migration into valve
- Wear resistance with elasticized valve seat back
- Indoor/outdoor applications with protected valve bearing
- Pressure ratings: body to 110+ PSIG, seat to 80 PSIG
- Temperature rating: to 320°F for harsh environments
- Standard:
 - Carbon steel
 - Pneumatic actuator
 - Open/close NEMA 4 limit switches
- Specify:
 - 304 SS or 316 SS
 - Electric actuator, NEMA 4x
 - 7/9 limit switches
- 0.5 - 5 PSIG at 5 - 20 cfm/ft²

REQUIREMENTS

- 110 VAC, 50-60 Hz power

BALL TYPE DIVERTER



PRODUCT SPECIFICATIONS

Dim	1½	2	2½	3	4	5	6	8	10
A	5 7/8	5 7/8	7 11/32	7 11/32	8 7/16	8 7/16	8 13/16	8 13/16	10 7/16
B	1 13/16	2 ¼	2 ¾	3 3/8	4 11/32	5 9/32	6 ¼	8 9/32	10 ¼
C	11 5/16	11 5/16	13 11/32	3 11/32	14 29/32	14 29/32	17 5/8	18 5/8	22 ¼
D	2 ¼	3	3 9/32	4 3/16	4 27/32	5 ½	6 21/32	8 9/32	9 15/16
E	3 3/16	3 7/8	4 11/32	4 ¾	5 1/16	6 15/16	8 7/8	9 13/16	11 13/16
H	15 19/32	15 19/32	18 ¾	18 ¾	24 7/32	24 7/32	39 ¼	49 5/16	63 1/8
J	9 7/8	11 1/16	12 5/8	14 3/16	18 1/8	22 1/16	26	31 ½	40 9/16
K	4 15/16	5 ½	6 5/16	7 3/32	9 1/16	11 3/32	13	15 ¾	20 9/32
L	3/8	½	½	½	9/16	9/16	5/8	23/32	25/32
M	4 7/8	4 7/8	5 11/16	5 21/32	6 ¾	6 ¾	8 3/8	9 1/8	13
Wt.	110	118	204	227	263	301	617	881	1521

NOTE: Dimensional data for reference only. Subject to change without notice. All weights are in pounds, all dimensional units are in inches, unless noted. Weight units may change depending on actuator styles.

