

## SUGGESTED SPECIFICATIONS

The Milliken® criteria of quality, reliability, safety and value are embodied in the Millcentric® Eccentric valve, setting higher standards for dependable performance with excellent features achieved by the utilization of the very latest design and manufacturing techniques.

- Computer Aided Design
- High Integrity Casting
- CNC manufacturing delivers consistent sizes on all components

*All complemented by a rigorous Quality Control System*

### BODY

Conforming to AWWA C504 wall thickness, the Millcentric valve body casting is in ASTM A126 CL B cast iron using high pressure molding techniques. Flanged or mechanical joint ends are available. Other materials are available upon request.

Flange diameter, thickness and drilling conform to ANSI B16.1 Class 125. Mechanical joints conform to AWWA C111 (ANSI A21.11).

### SEAT

The Millcentric valve incorporates as standard, on 3" and larger, a 1/8" thick welded 99% nickel seat for corrosion and erosion resistance specifically profiled for low torque and extended seat life.

### STEM SEAL

High integrity sealing by combining the advantages of a resilient and abrasion resistant U-Cup seal. From vacuum to high pressure, the self-adjusting sealing system (per AWWA C504) gives positive, trouble-free service and is retained independently of the plug stem or external torque device, thereby eliminating periodic maintenance.

### BEARINGS

The plug rotates in permanently lubricated stainless steel bearings, located in the body and bonnet, along with upper and lower PTFE thrust washers, which ensure consistently low operating torque.

### PLUG

Supported on integral trunnions, the plug is totally encapsulated with an elastomer that is molded to the casting providing tight shut off even under vacuum conditions. High integrity corrosion-free sealing is achieved by a variety of abrasion resistant elastomers which protect the plug right up to the trunnions. When assembled, the light compression of the elastomers onto PTFE thrust washers, prevents entry of abrasive materials into the bearings.

### BONNET SEAL

Superior "O" ring sealing with metal/metal contact means lower bolting stresses compared with compression gaskets.

### FLOW

The full port design (round on 2.5" – 12" and rectangular on 14" and larger) with streamlined internal contours gives the highest industry capacity straight through flow in the full open position, reducing turbulence and pressure drop and the effect of erosive media. Handling of sludges and slurries is therefore enhanced.

### INTERCHANGEABLE

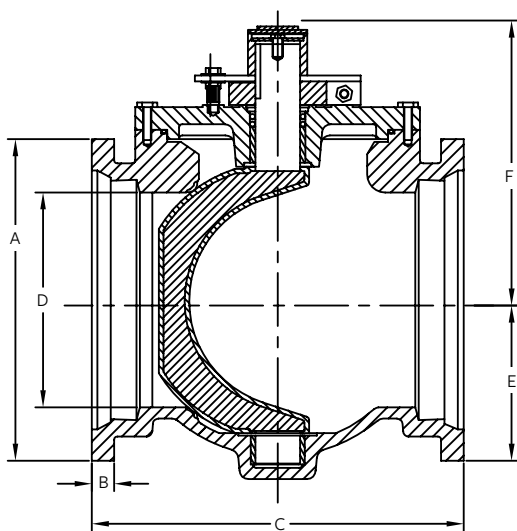
Because of the common face to face dimension with wedge gate valves (3" – 12"), fitting the tight shut-off rotary Millcentric valve into existing systems is accomplished without pipeline modifications.

### TRAVEL STOPS

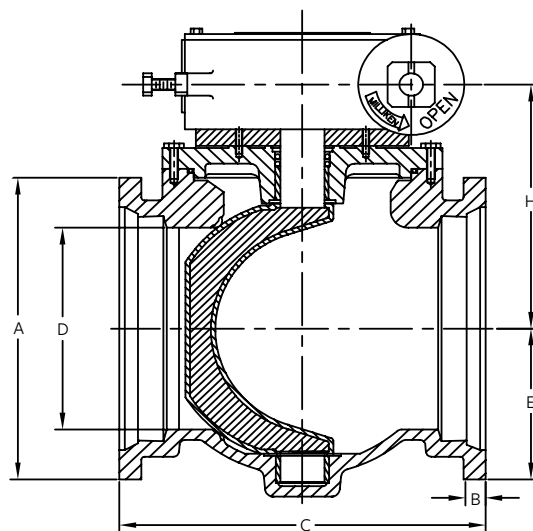
Adjustable open and closed travel stops are fitted as standard on both wrench and gear operated Millcentric valves.

# DIMENSION DRAWING 2.5" - 12"

## MECHANICAL JOINT END FIG. 600 - 175 PSI



3" - 8" VALVES ONLY



3" - 12" VALVES

### MECHANICAL JOINT END

SIZE	3	4	6	8	10*	12*
<b>A</b>	7.69	9	11.13	13.38	15.63	17.94
<b>B</b>	0.94	1	1.06	1.13	1.19	1.25
<b>C</b>	11.50	14.25	15.75	17.38	19.38	20.75
<b>D</b>	3	4	6	8	10	12
<b>E</b>	3.84	4.50	5.69	7.63	8.88	10
<b>F</b>	6.19	7.25	8.38	10.69	-	-
<b>H</b>	5.16	6.31	7.56	9.63	11.13	12.81
<b>Weight (approx.)</b>	50	80	125	200	** 360	** 480

\*10" & above have gear operators as standard

\*\*Weight includes gear operator

**Note:** Drawings are for information purposes only; please request certified drawings before preparing piping diagrams.