

Series 830

AWWA C-504 Butterfly Valves

102" - 120"

A rugged heavy-duty, large diameter butterfly valves for use in power generation plants, municipal water treatment plants and industrial applications.

Standard Materials
Sizes 102" - 144": AWWA C-504 Class: 25A to 150B
BODY: Cast or Ductile Iron
DISC: Cast or Ductile Iron
DISC EDGE: 304 SS
SHAFTS: 304 SS
SEAT: BUNA "N" or EPDM

SHAFTS: Stub shafts are constructed of corrosion-resistant stainless steel or monel. Shaft diameters are equal to or greater than specified in AWWA C-504, Table 4 for all sizes of Mosser butterfly valves. Connection to the disc is positively locked by stainless steel pins machined to exacting tolerances.

SHAFT SEAL: Teflon impregnated packing backed by a bronze gland is fully adjustable to eliminate line leakage. A special enclosure which allows required accesses is provided for buried service applications

DISC: A smooth profile, flow-thru disc is available in various materials that minimizes pressure drop across the valves and insures stable hydraulic flow characteristics.

SEAT: Mosser valves can be supplied with a fully adjustable, mechanically retained seat which provides a 360 degree seating surface designed for reliable, long-term service. These seats can be either on the disc or on the body providing the same reliable, adjustable and replaceable features in compliance with AWWA C-504.

FLANGES: Flanges are drilled in accordance with ANSI B16.1 Class 125 specifications as standard. Larger sizes are in accordance with appropriate standards.

THRUST BEARING: Mosser valves have a 2-way adjustable thrust bearing on the bottom shaft to accurately center the disc in the valve. This thrust bearing is permanently lubricated for smooth operation and is sealed to prevent leakage.

DISC EDGE: Mosser valves are provided with a 304 stainless steel disc edge if the seat is on the body, which helps reduce sealing torque and provide reliable service. Those Mosser valves with seats on the disc are provided with either BUNA or EPDM or Viton mechanically retained on the disc edge with the 304 stainless steel mating surface in the body.

BODY: Mosser provides a rugged cast or fabricated body that meets or exceeds the design strength requirements of the AWWA C-504 standards. These body configurations can be obtained with weld end, mechanical joints or flanges.

BEARINGS: Self-lubricating sleeve bearings are designed to allow valve placement with the shaft horizontal or vertical. The non-metallic bearing material has an extremely low coefficient of friction to reduce operating torque requirements and eliminate galvanic corrosion.

Contact us for more information:

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