



M&H VALVE COMPANY

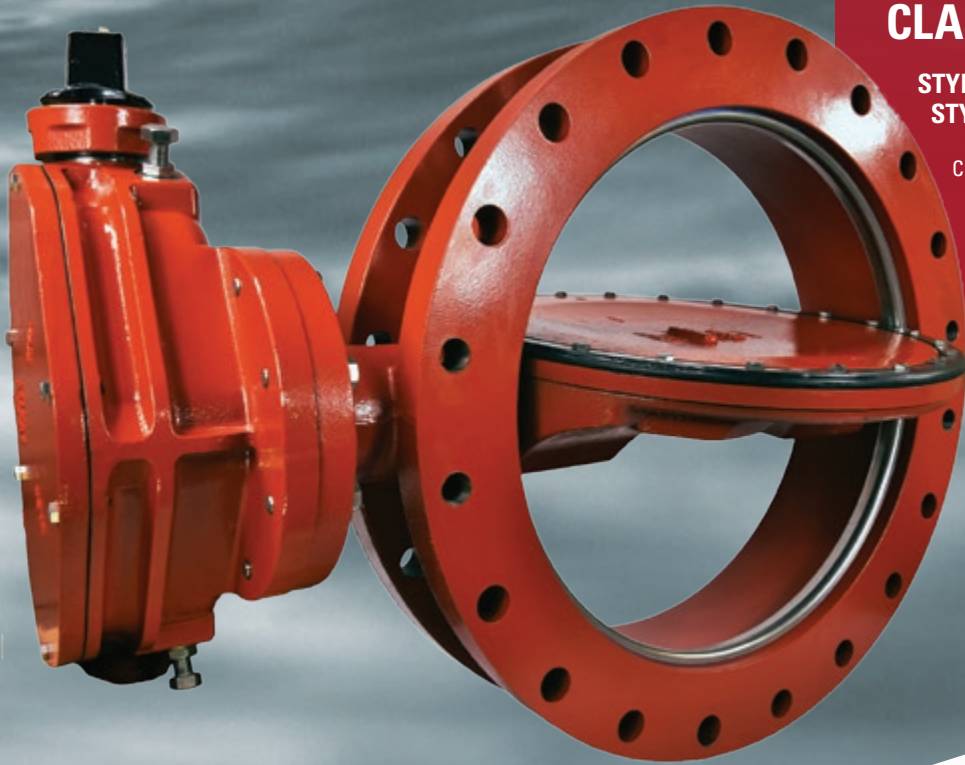
mh-valve.com

BUTTERFLY VALVES

**AWWA C504
CLASS 150B & 250B**

**STYLE 4500 3"–24"
STYLE 1450 30"–54"**

CONSULT M&H FOR SIZES
LARGER THAN 54 INCHES.



M&H Valve Company, A Division of McWane, Inc.

For Generations

ENGINEERING FEATURES

STYLE 4500

SIZES 3"–12"

ACTUATOR MOUNTING PAD

M&H Style 4500 Butterfly Valves come standard with an integrally cast actuator mounting pad, machined and drilled in accordance with ISO-5211 and MSS SP-101. This allows for direct mounting of manual and automated actuators without the need of additional pieces or adapters, providing a more compact and rigid arrangement.

VALVE BODY

M&H Style 4500 Butterfly Valve Bodies consist of heavy duty ASTM A536 Ductile Iron that are designed to meet or exceed the latest revision of AWWA C504.

SEALING SYSTEM

EPDM rubber is vulcanized to a 304 stainless steel ring and attached to the vane utilizing self-locking, stainless steel cap screws. The body ring seat is composed of 316 stainless steel, forming an uninterrupted 360-degree seal. The M&H Style 4500 Butterfly Valve vane rubber seat ring is easily field replaceable.

DUCTILE IRON HOUSING

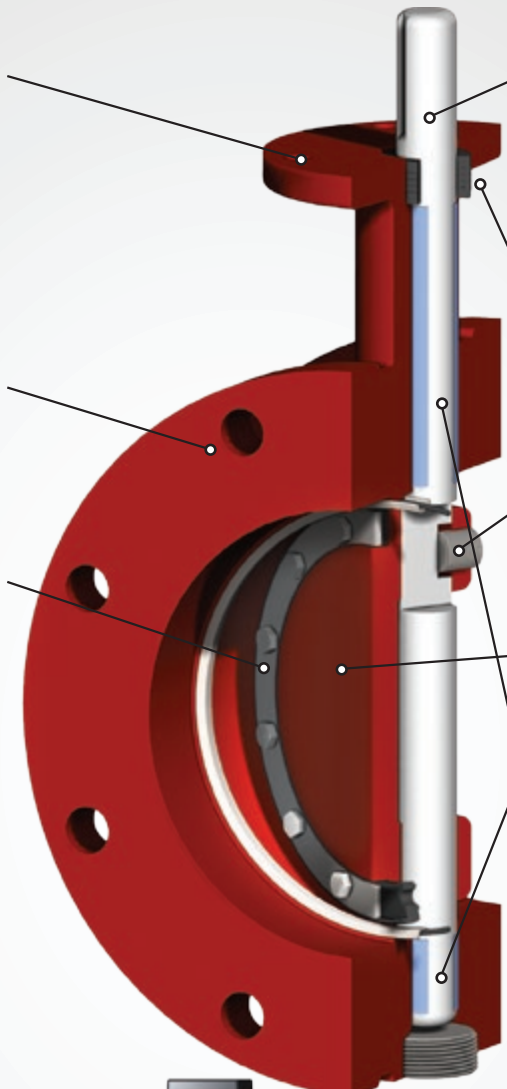
Includes a four bolt ISO-5211 & MSS-101 compliant connection.

LEVER & TRAVELING NUT

Ductile Iron construction, precision machined to transmit torque seamlessly. Contains multiple keyways to change the opening direction.

POSITION STOP NUTS

Factory preset internal adjusters prevent the actuator from going beyond the open and closed positions of the valve.



STAINLESS STEEL SHAFT

One-piece shaft of stainless steel meets or exceeds AWWA C504: Class 150B – 304 stainless steel Class 250B – 630 stainless steel. Other options are available.

SELF-ADJUSTING PERMANENT PACKING

Self-adjusting chevron-type seal that increases the sealing force with the increase in line pressure. Accessible without dismantling the valve, per AWWA C504.

TORQUE PLUG

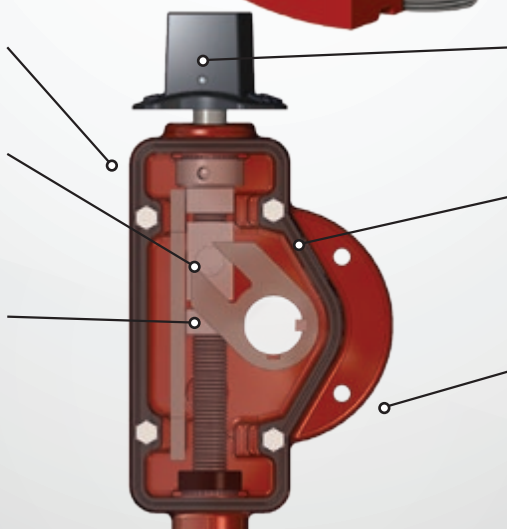
Full metal-to-metal contact, vane to shaft connection utilizing a stainless steel torque plug.

OFFSET VANE DESIGN

Heavy duty A536 Ductile Iron meets or exceeds AWWA C504.

LIFETIME BEARINGS

Nylon bearings are sized to meet or exceed the AWWA C504 specification for axial pressure loads. The bearings are self-lubricating and require no maintenance.



OVERLOAD PROTECTION

Up to 450 ft-lbs of input torque protection to prevent damage to the valve and actuator.

SEALS

Actuator is fully greased and utilizes a reusable rubber gasket to seal the housing cover and O-rings to seal the input shaft.

360° ROTATION

Actuator can be mounted in 90-degree increments for easy installation and operation without the need of adapter plates and additional parts.

MODEL 450 TRAVELING NUT ACTUATOR (SIZES 3"–12")

ENGINEERING FEATURES

STYLE 4500

SIZES 14"–24"



ACTUATOR MOUNTING PAD

M&H Style 4500 Butterfly Valves come standard with an integrally cast actuator mounting pad, machined and drilled in accordance with ISO-5211 and MSS SP-101. This allows for direct mounting of manual and automated actuators without the need of additional pieces or adapters, providing a more compact and rigid arrangement.

VALVE BODY

M&H Style 4500 Butterfly Valve Bodies consist of heavy duty ASTM A536 Ductile Iron that are designed to meet or exceed the latest revision of AWWA C504.

OFFSET VANE DESIGN

Heavy duty A536 Ductile Iron meets or exceeds AWWA C504.

SEALING SYSTEM

EPDM rubber is vulcanized to a 304 stainless steel ring and attached to the vane utilizing self-locking, stainless steel cap screws. The body ring seat is composed of 316 stainless steel, forming an uninterrupted 360-degree seal. The M&H Style 4500 Butterfly Valve vane rubber seat ring is easily field replaceable.

STAINLESS STEEL SHAFT

Two-piece shaft of stainless steel meets or exceeds AWWA C504: Class 150B – 304 stainless steel Class 250B – 630 stainless steel. Other options are available.

SELF-ADJUSTING PERMANENT PACKING

Self-adjusting chevron-type seal that increases the sealing force with the increase in line pressure. Accessible without dismantling the valve, per AWWA C504.

TORQUE PLUG

Full metal-to-metal contact, vane to shaft connection utilizing a stainless steel torque plug.

LIFETIME BEARINGS

PTFE-filled fiber bearings are sized to meet or exceed the AWWA C504 specification for axial pressure loads. The bearings are self-lubricating and require no maintenance.

LEVER

Ductile Iron construction, precision machined to transmit torque seamlessly. Contains multiple keyways to change the opening direction.

SEAL

Permanently lubricated and sealed to protect from the elements and groundwater.

DUCTILE IRON HOUSING

Includes a four bolt (14"–20") or eight bolt (24") ISO-5211 & MSS-101 compliant connection.

OVERLOAD PROTECTION

Up to 450 ft-lbs of input torque against the stops (open/close) to prevent damage to the valve and actuator.

POSITION STOP

Factory preset prevents the actuator from going beyond the open and closed positions of the valve.

360° ROTATION

Actuator can be mounted in 90-degree increments for easy installation and operation without the need of adapter plates and additional parts.

MODEL 1250 TRAVELING NUT ACTUATOR (SIZES 14"–24")