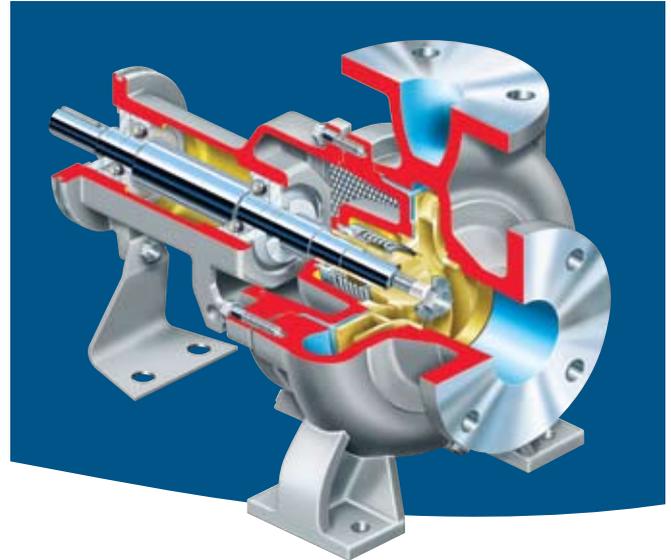


# MEN and MENBLOC

End-Suction Water Pumps



## Rugged Construction, Reliable Performance

*The MEN family of single-stage, end-suction water pumps delivers maximum mechanical and hydraulic flexibility and low total cost of ownership. Available in both frame-mounted and close-coupled configurations, the MEN family of pumps is ruggedly designed to provide long, reliable performance in a variety of water services. Furthermore, the MEN's optimal hydraulics and minimal maintenance need provide users with significant cost savings.*

Available in 33 sizes from 50 mm x 32 mm (2 in x 1.25 in) to 200 mm x 150 mm (8 in x 6 in), the MEN family of water pumps consists of multiple designs with varied hydraulic capabilities to meet application needs. MEN water pumps destined for Europe are CE marked and comply with the dimensional requirements of the latest editions of EN 733 and DIN 24 255.

### Applications

- Water supply
- Water treatment
- Irrigation
- Drainage
- Filter cleaning
- Fire protection
- General industry
- Water circulation
- HVAC
- Washers

### Operating Parameters

- Flows to 800 m<sup>3</sup>/h (3500 gpm)
- Heads to 140 m (450 ft)
- Pressures to 16 bar (230 psi)
- Temperatures from -10°C (15°F) to 140°C (280°F)
- Speeds to 3500 rpm

### Features and Benefits

**Volute Casing Design** has flanges to ISO PN 10/16 or ANSI B16.1 specifications

**Precision Cast Closed Impeller** with extended hub has machined shrouds and is dynamically balanced for high efficiency. Axial thrust is minimized by balancing chamber and holes on the rear side

**Sturdy Bearing Housing** incorporates greased-for-life, large diameter, reinforced ball bearings protected by thrower and covers

**Open Seal Chamber** features integral vortex breaking ribs to extend the life of mechanical seals

**Standard Internal Elastomeric Bellows Mechanical Seal** readily accommodates misalignment, end-float and seal face wear. Packing is also available

**Oversized Stainless Steel Shaft** is conservatively designed to minimize deflection and reduce wear

**Back Pullout Design** facilitates inspection and maintenance

## Materials of Construction

| Description                    | Standard            | Options               |
|--------------------------------|---------------------|-----------------------|
| Casing                         | Cast Iron           | Stainless Steel       |
| Casing Cover With Stuffing Box | Cast Iron           | Stainless Steel       |
| Wear Ring                      |                     | 13% Chromium Steel    |
| Impeller                       | Cast Iron or Bronze | Stainless Steel       |
| Bearing Housing                | Cast Iron           |                       |
| Shaft                          | 13% Chromium Steel  | Other Chromium Steel* |

\* Consult factory or a Flowserve representative

## MENBLOC Close-Coupled Design

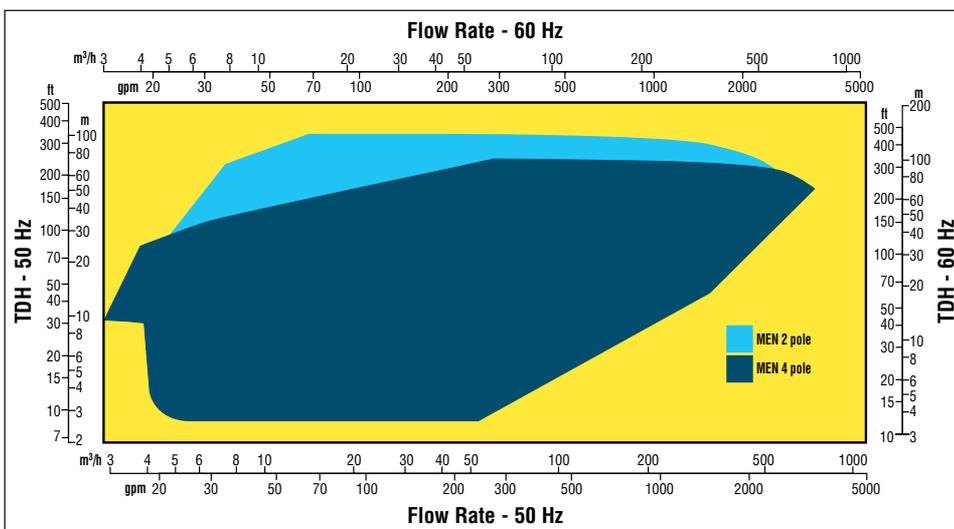
MENBLOC is the close-coupled configuration of the MEN water pump. Not requiring a baseplate or coupling, it is an economical alternative to the frame-mounted MEN. Its reduced footprint also permits its use in tight areas.

## Operating Parameters

- Flows to 340 m<sup>3</sup>/h (1500 gpm)
- Heads to 100 m (330 ft)
- Pressures to 16 bar (230 psi)
- Temperatures to 110°C (230°F)



## MEN Range Chart



## Additional Options

- Grease lubricated bearings
- Casing wear rings
- Adapter flanges

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