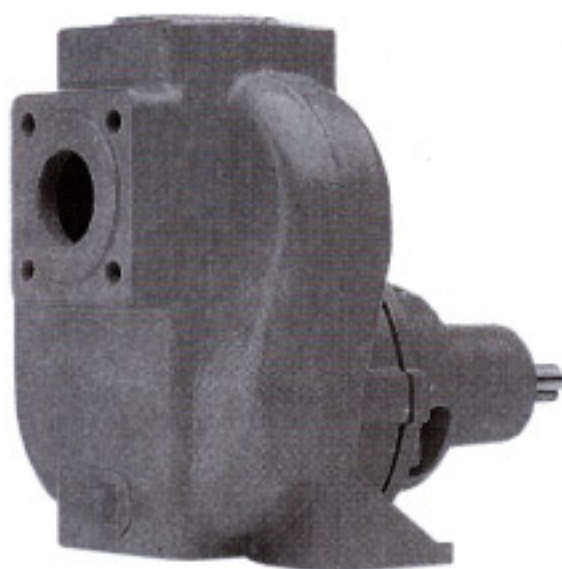


Self-priming centrifugal Pump Fre-Flow



Fre-Flow pumps are self-priming centrifugal pumps with a half-open or closed impeller and a mechanical seal.

Applications

- Chemical, petrochemical and general industry
- Water purification plants
- Well-point dewatering
- Emptying excavations and ditches
- Irrigation
- Flushing water for (bulb) flushing machines
- Sprinkler installations
- Bilge and fire-fighting
- Cooling water
- Seawater application

Range

Capacity	: max. 350 m ³ /h
Head	: max. 80 m
System pressure	: max. 9 bar
Viscosity	: max. 150 mPa.s
Liquid temperature	: max. 95°C
Self-priming	: max. 7 m

Material

- Cast iron
- Bronze
- Stainless steel

Features

- Fast, simple, inexpensive maintenance with the presence of inspection and cleaning cover
- Renewable wear plate ensures overhauling at minimum cost
- No non-return valve in the inlet: suction and discharge lines can be siphoned empty, when the pump has been stopped. The remaining liquid in the pump casing is always sufficient for the next suction phase
- A separate air pump or any other equipment is not required. Suction lifts up to 7 m are possible without any problem
- An oil chamber which prevents the mechanical seal can run dry under whatever conditions
- Heavy bearings, dust-tight and grease lubricated

Design

- Modularity: the Johnson Fre-flow program was also conceived modular and exists of 4 bearing bracket groups. Within the range, a whole lot of parts are interchangeable
- All pump types of FRE, FRES and FREM are equipped with mechanical seal according to DIN 24960. FREF types are equipped with short built mechanical seal
- Flexibility of operation: different drive possible

