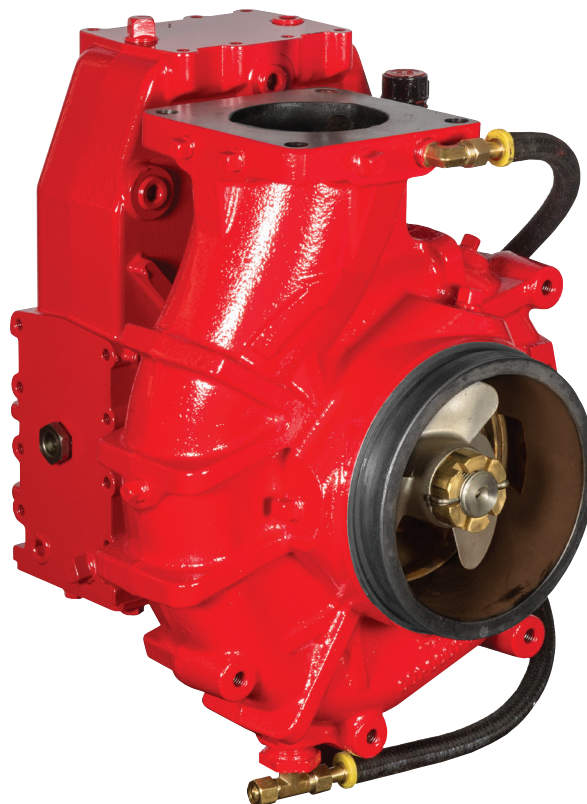


## Flex Series Pumps

The Flex Series range of pumps brings years of design and manufacturing experience together with true customer benefiting innovation to create a heavy duty pump and gearbox combination that simplifies pump installation and flexibility to the fire apparatus OEM's, while enhancing performance, overall durability, and ease of service for end users.

### Performance

- Standard offering of pumps with a wide range of performances from 250 gpm (946 lpm) up to 1500 gpm (5678 lpm)
- Engine Rotation and Opposite Engine Rotation (Opposite engine rotation not available on MBP)
- More Gear Ratios Available - All gears are helical for smooth, quiet operation
  - ▶ 2.33                   ▶ 1.14
  - ▶ 2.60                   ▶ 1.31
  - ▶ 2.91                   ▶ 1.64
  - ▶ 3.74                   ▶ 1.90



MBP Flex Pump Shown

### Durability

- Wrap around clearance ring enhances suction performance while extending the service life
- Secondary seal provides redundancy adding another level of serviceability to the design of the pump
- Stainless Steel Pump Shaft for superior corrosion resistance
- Silicon Carbide Mechanical Seal for extended life and thermal stability

### Service

- Gearbox sight glass provides easy visual inspection of the oil condition and level
- Integrated oil fill and vent enables easier fill access
- Four distinct mounting surfaces allow for increased installation options and orientations in a compact design

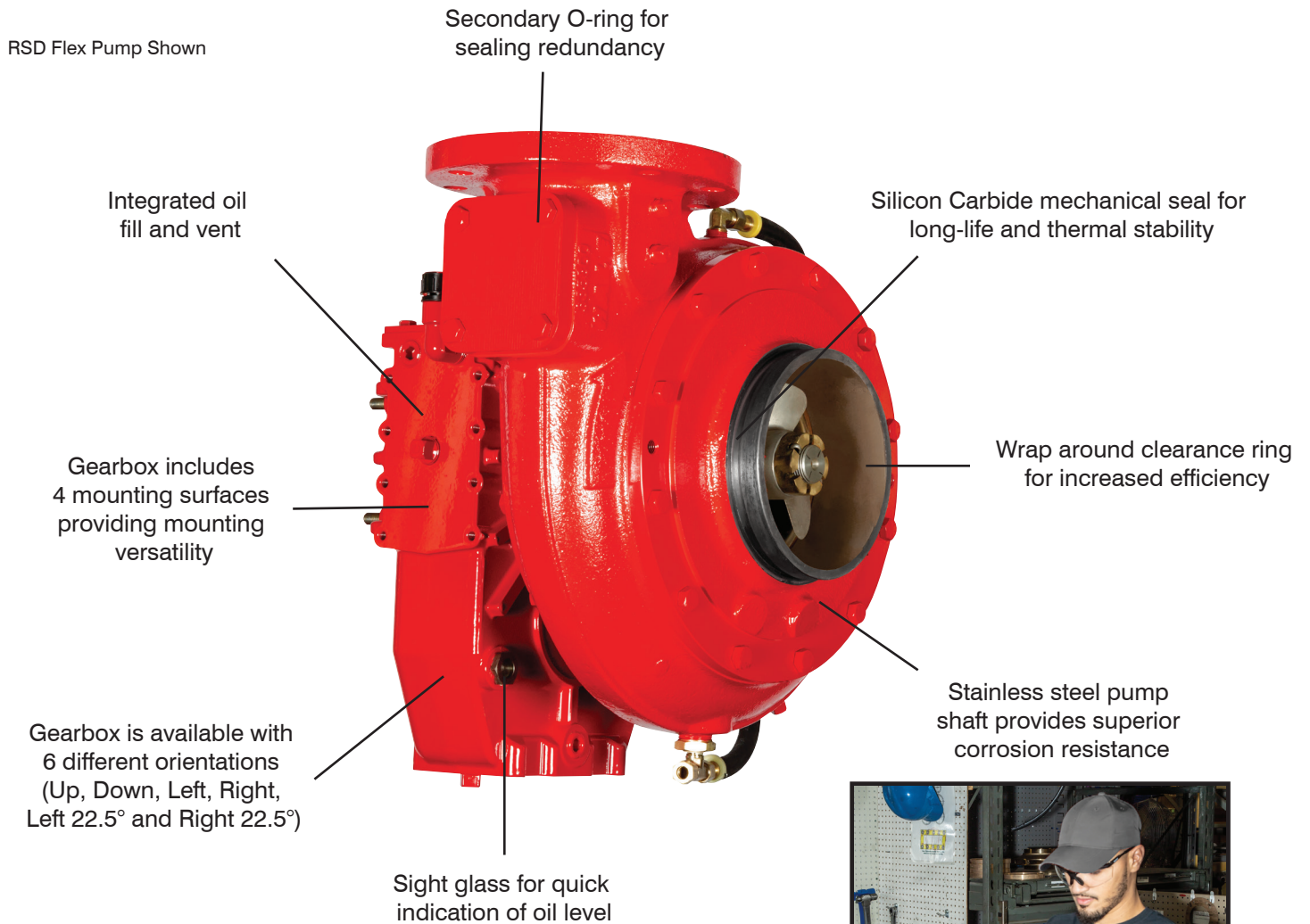
Flex Series Pumps	NFPA Rated
CBP	250 gpm @150 psi (946 lpm @ 10 bar)
AP	500 gpm @ 150 psi (1893 lpm @ 10 bar)
MBP	1000 gpm @ 150 psi (3785 lpm @ 10 bar)
RSD	1500 gpm @ 150 psi (5678 lpm @ 10 bar)



## Flex Series Defined

Features:

- Hard, fine grain bronze, mixed flow impeller design is hand ground and balanced for maximum performance and corrosion resistance
- For minimal maintenance, the spring-loaded mechanical seal is self-adjusting and self-lubricating
- Heavy duty precision ground, deep groove bearings used for long-life
- Heat treated, one piece stainless steel pump shaft has been designed for strength and to minimize pump deflection
- Bronze clearance rings are easily replaceable



Hale Pumps are Designed, Machined, Assembled, and Tested in Ocala, FL, USA