



# MP1 Multiphase Twin-Screw Pump

## Applications

- Surface pumping
- Down hole artificial lift
- Water re-injection
- Wet gas compression
- CO<sub>2</sub> re-injection
- Flare gas re-injection
- Pipeline boosting

## Operating Parameters

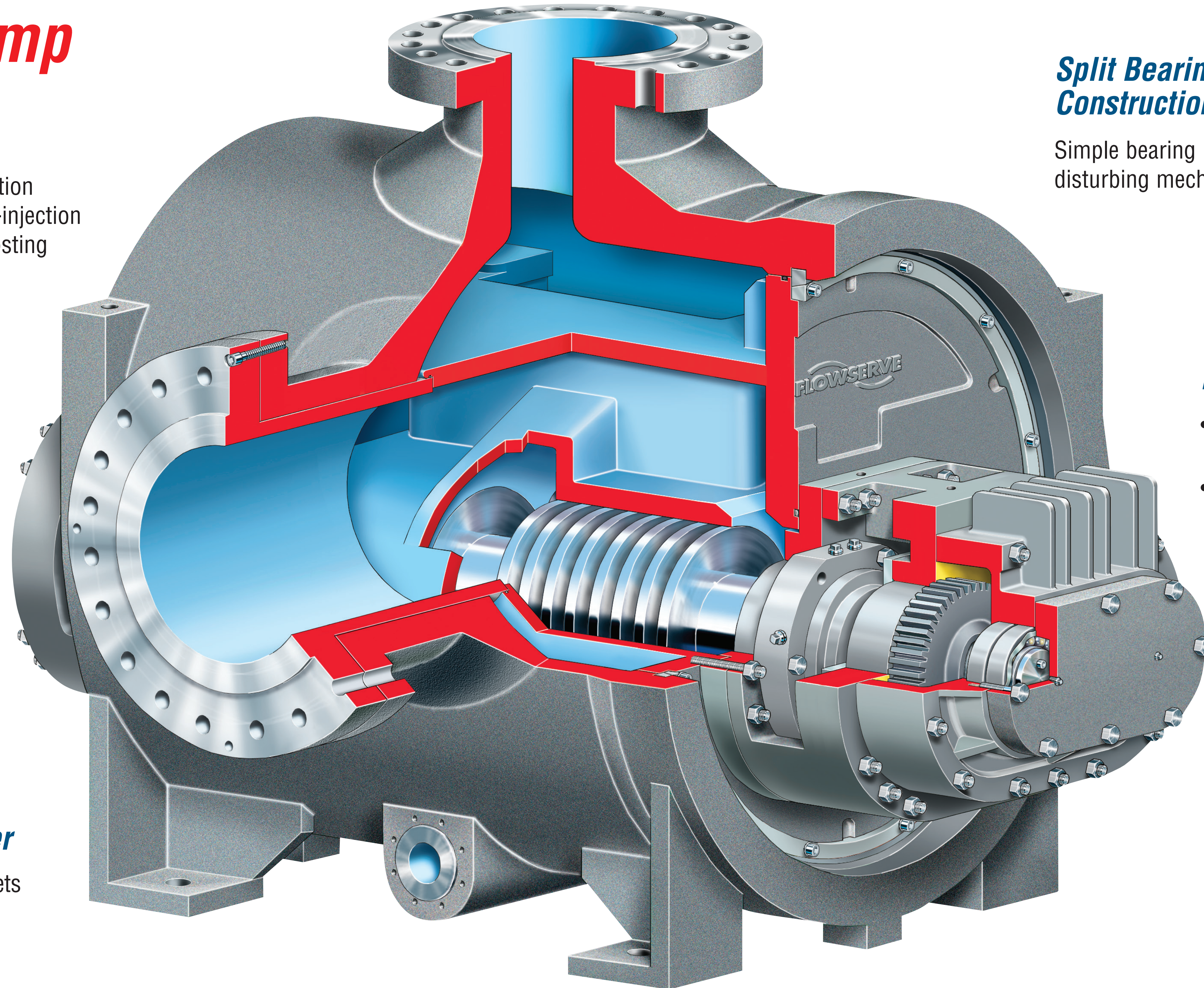
- Flows to 2800 m<sup>3</sup>/h (12 330 US gpm)
- Pressure to 100 bar (1450 psi)
- Temperatures to 150°C (350°F)
- Viscosities to 200 million SSU
- Gas volume fractions from 0% to 100%

## One-Piece Integral Rotor

- Low vibration, low pulse amplitude design
- High shaft strength and torque-handling capability

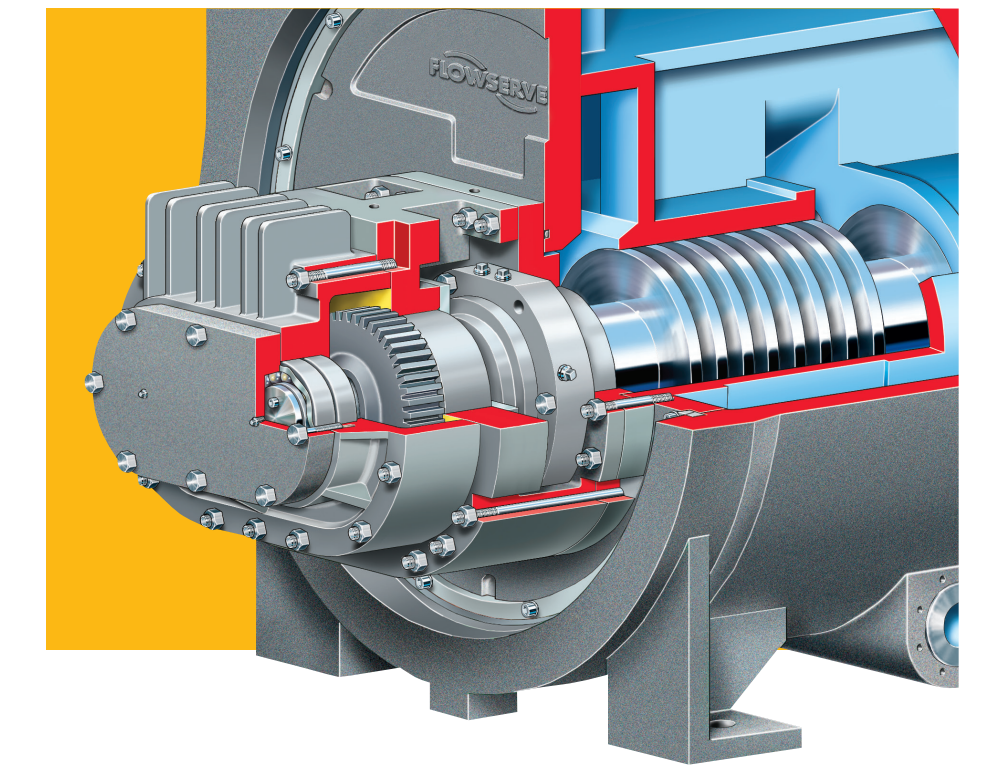
## Versatile API 682 Seal Chamber

Accommodates multiple seal types and meets HSE regulations without modification



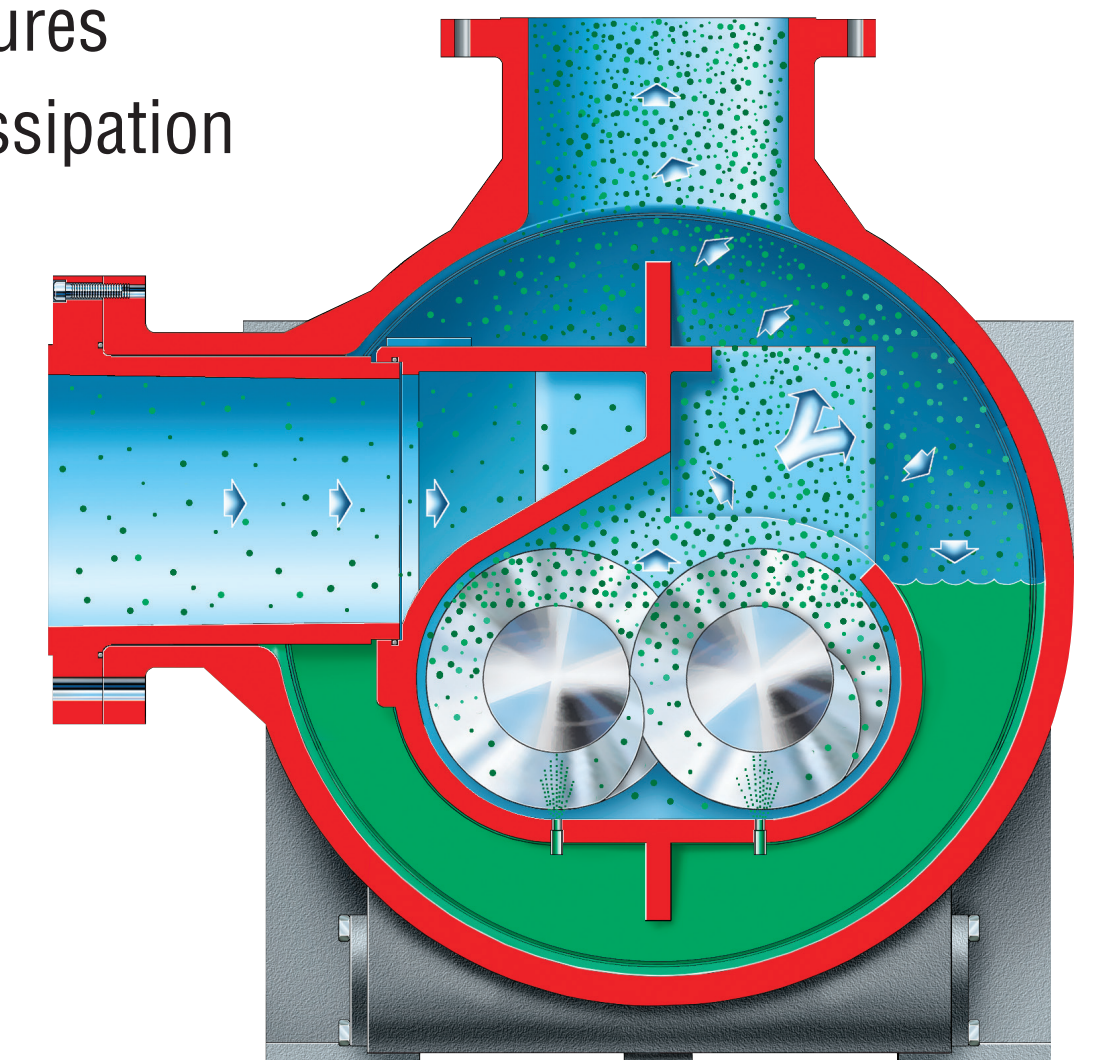
## Split Bearing Bracket Construction

Simple bearing maintenance without disturbing mechanical seals



## Large Volume Casing Trap

- Dynamic sealing for pumping multiphase mixtures
- Effective heat dissipation



<b>USA and Canada</b> Flowserve Corporation 5215 North O'Connor Blvd. Suite 2300 Irving, Texas 75039-5421 USA Telephone: +1 937 890 5839	<b>Europe, Middle East, Africa</b> Flowserve Corporation Parallelweg 13 4878 AH Etten-Leur The Netherlands Telephone: +31 76 502 8100	<b>Latin America</b> Flowserve Corporation Martín Rodríguez 4460 B1644CGN-Victoria-San Fernando Buenos Aires, Argentina Telephone: +54 11 4006 8700 Telefax: +54 11 4714 1610	<b>Asia Pacific</b> Flowserve Pte. Ltd. 10 Tuas Loop Singapore 637345 Telephone: +65 6771 0600 Telefax: +65 6862 2329
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