



MP1 Multiphase Twin-Screw Pump

Applications

- Surface pumping
- Down hole artificial lift
- Water re-injection
- Wet gas compression
- CO₂ re-injection
- Flare gas re-injection
- Pipeline boosting

Operating Parameters

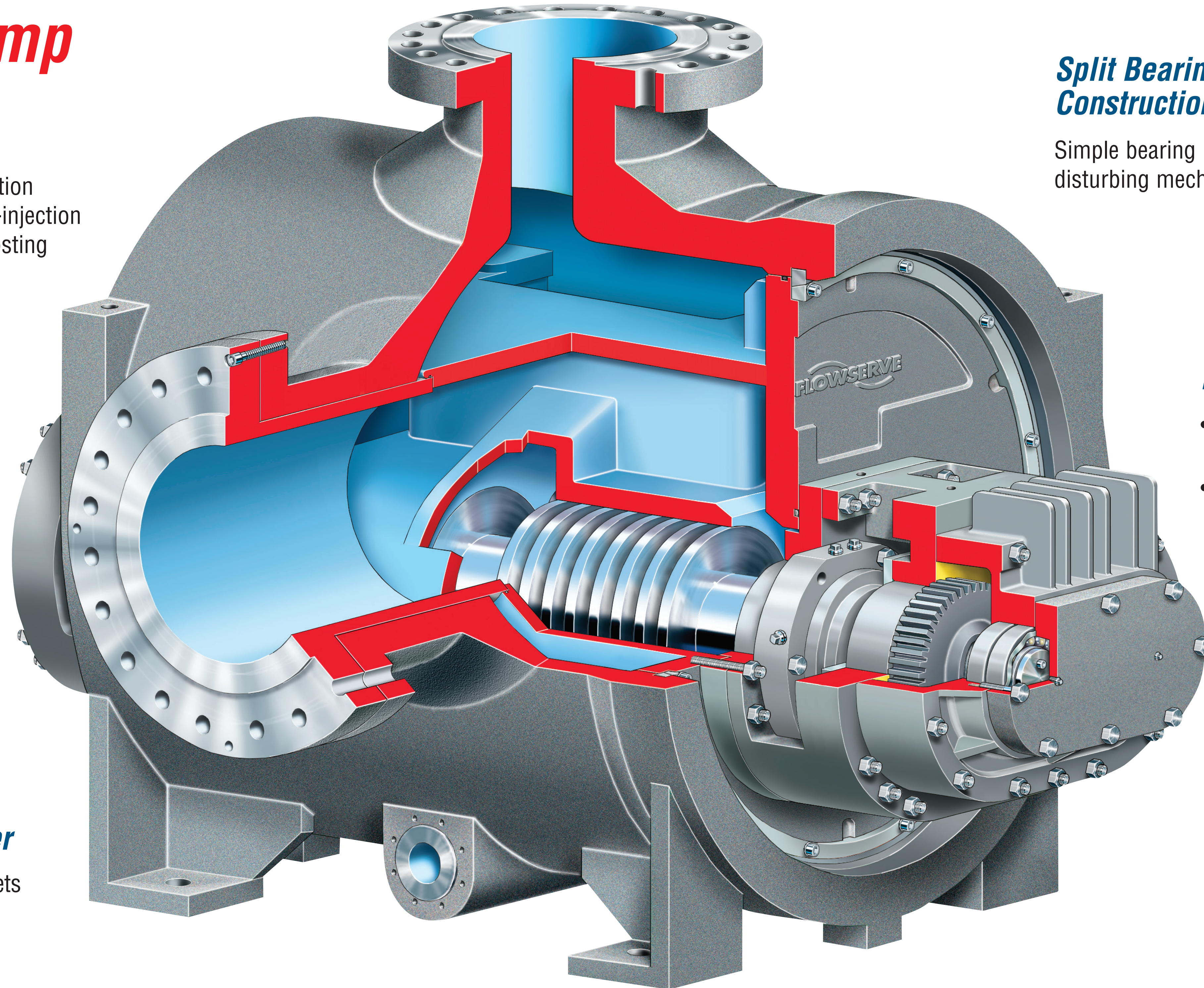
- Flows to 2800 m³/h (12 330 US gpm)
- Pressure to 100 bar (1450 psi)
- Temperatures to 150°C (350°F)
- Viscosities to 200 million SSU
- Gas volume fractions from 0% to 100%

One-Piece Integral Rotor

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

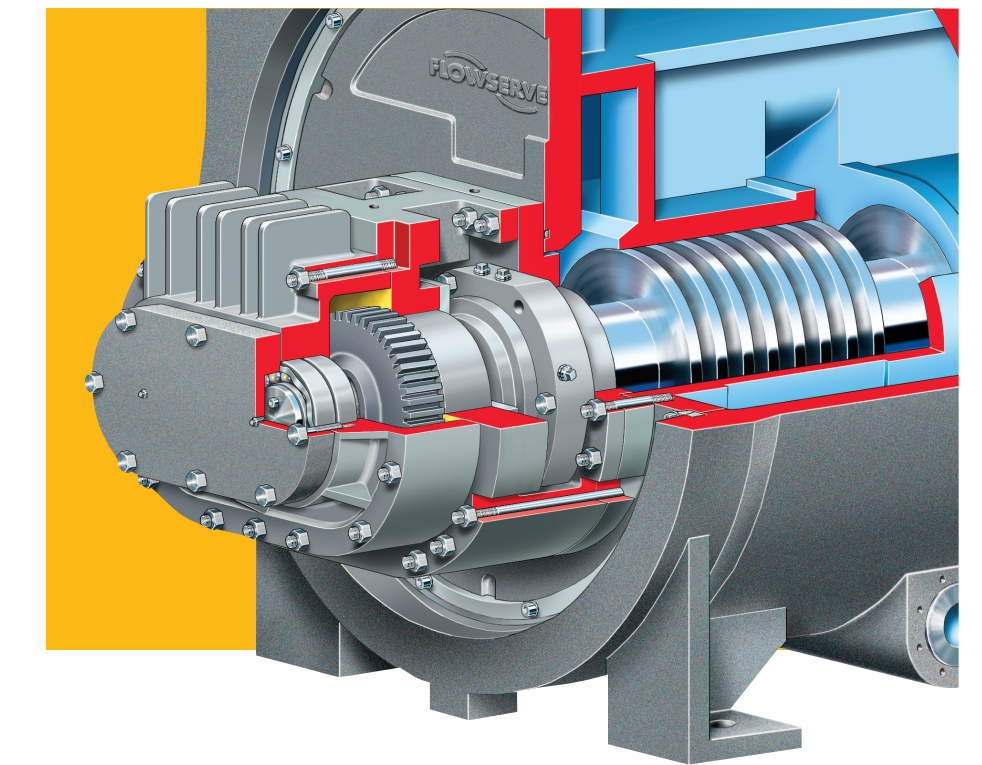
Versatile API 682 Seal Chamber

Accommodates multiple seal types and meets HSE regulations without modification



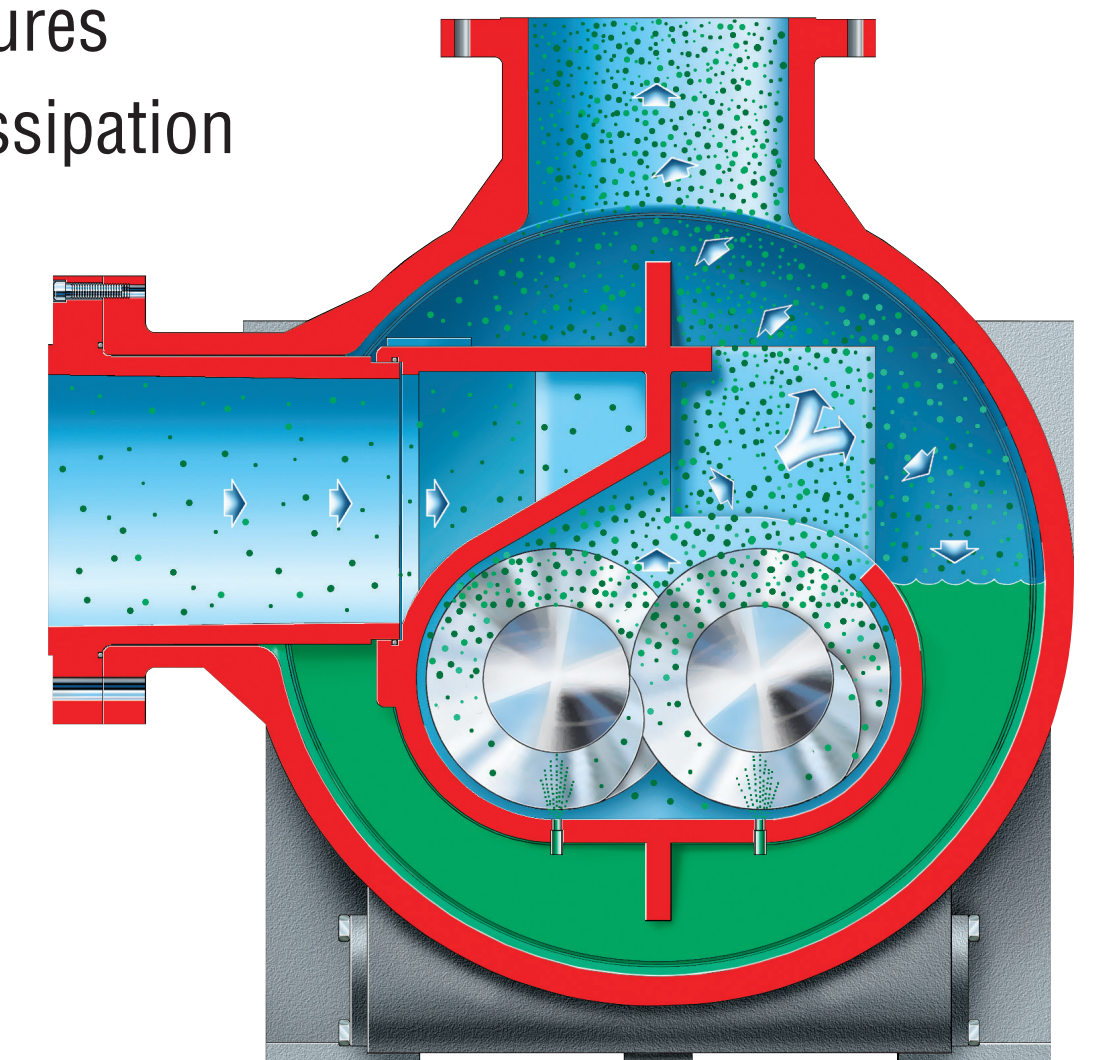
Split Bearing Bracket Construction

Simple bearing maintenance without disturbing mechanical seals



Large Volume Casing Trap

- Dynamic sealing for pumping multiphase mixtures
- Effective heat dissipation



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

FPD-1239a (E) December 2014. © 2014 Flowserve Corporation