



Lower energy and maintenance costs

The Flowserve HHPX end-suction, single-stage, radially split pump is designed for high suction pressure seawater reverse osmosis (SWRO) desalination applications, such as energy recovery device (ERD) boosters. It is specifically engineered to deliver increased efficiency and easy maintenance, helping desalination plants lower energy and maintenance costs.

Improve efficiency and downtime

Back pullout design shortens maintenance times and enables service without disturbing motor or casing connections.

High suction pressure design is ideally suited for SWRO desalination operations.

Fan-cooled, oil-lubricated bearings withstand high suction pressures found in desalination operations.

Fully shrouded, precision-cast impellers and single- or dual-volute design increase pump efficiency.

Non-metallic wear rings reduce volumetric losses and increase efficiency.

Operating parameters

- Flows up to 4,000 m³/h (17,611 gpm)
- Heads to 70 m (230 ft)
- Pressures to 90 bar (1,305 psi)
- Temperatures: 50°C (122°F)
- Available in discharge sizes ranging from 8 to 20 in.



Optional instrumentation



The HHPX pump is compatible with advanced internet of things (IoT) solutions such as RedRaven condition monitoring from Flowserve. Flowserve RedRaven IoT solutions give you the insights and

tools you need to monitor, analyze and predict equipment performance — so you can improve pump uptime while reducing maintenance and energy costs.



Ask your Flowserve representative about optional RedRaven IoT monitoring packages or visit flowserve.com/iot to learn more.

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