APP high-pressure pumps with ceramics:

Robust energy efficiency for demanding membrane technologies

- → Pre-filtration lowered to 5µ nominal
- → Longer service intervals
- → Lower OPEX, more uptime
- → Market-leading energy efficiency up to 92%
- → Field-proven reliability

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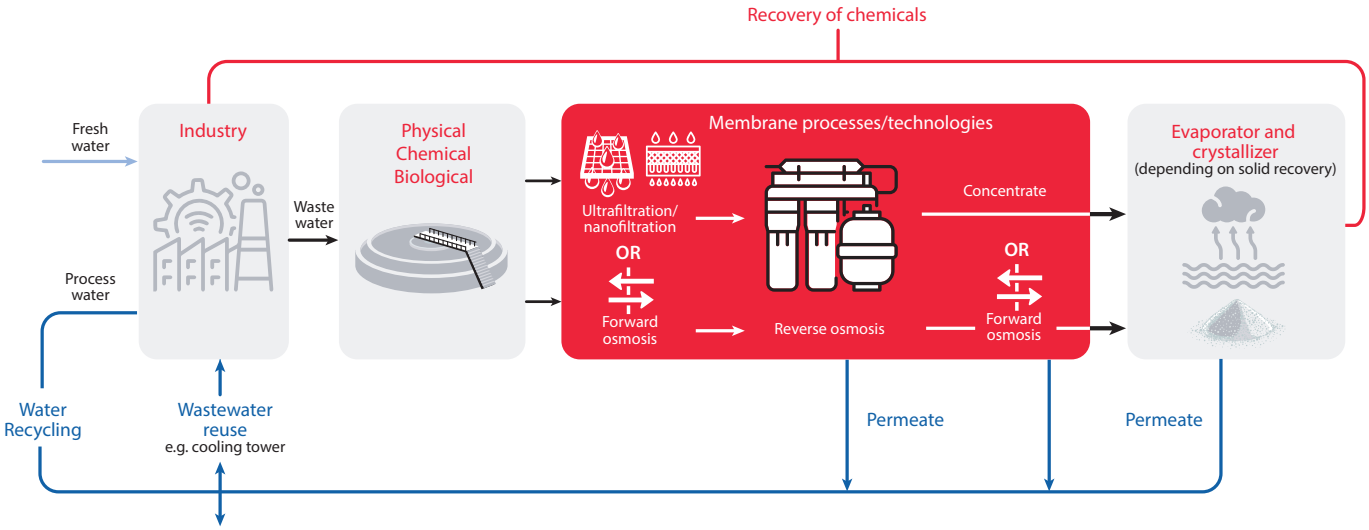
Unmatched energy-efficient for membrane-based industrial wastewater treatment

Studies show that zero liquid discharge's overall energy consumption can be reduced by up to 75% by adding reverse osmosis pre-treatment to traditional thermal processes.

The new Danfoss APP pump with ceramics is particularly well-suited for such treatments. Its unparalleled efficiency rates of up to 92% reduce OPEX and emissions significantly compared to other high-pressure pump technologies. Moreover, this efficiency remains the same regardless of varying pressure rates up to 120 bar/1,740 psi.

With wetted parts reinforced with ceramics and other advanced materials, the pump's reduced particle sensitivity makes it even more robust while building on the APP's long field-proven history of simple maintenance and long service intervals.

Parameters	APP with ceramics
Pressure range: Max outlet pressure	10 – 124 barg 145 – 1,800 psig
Inlet pressure, cont.	2 – 5 barg 29 – 72.5 psig
Flow range	13 – 38 m³/h 57 / 167 gpm
Speed	700 – 1,500 rpm



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