

# DESALINATION / WATER TREATMENT

## JANUS PUMPS

Our Janus **desalination axial piston pumps** are totally **oil free**, clean and completely safe to use.

Each pump employs technology that minimises vibration and ensures a low noise yet **high efficiency** operation.

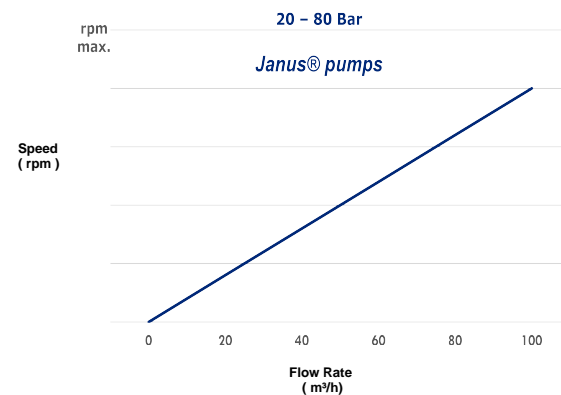
The result is an exceptionally small, light-weight product ideally suited for the RO market.



### Technology & Advantages:

-  **Efficiency:** Highest efficiency in the market ensuring the lowest power consumption.
-  **Advanced Design:** No need for alignment or pulsation dampener, made of **Duplex Stainless Steel** for high reliability.
-  **Flexible Operation:** Constant flow regardless the pressure changes. The flow can be adjusted by using frequency converter device.
-  **Installation:** The most compact design on the market. Alignment and pulsation dampeners are **NOT** required, making the installation simple.
-  **Maintenance:** Few moving parts and oil free, making the maintenance easy and simple task.

### Flow & Pressure Ranges:



### Applications:



**Desalination**  
Sea / Brackish Water



**ZLD / MLD**  
Wastewater Treatment



**Brine Mining**

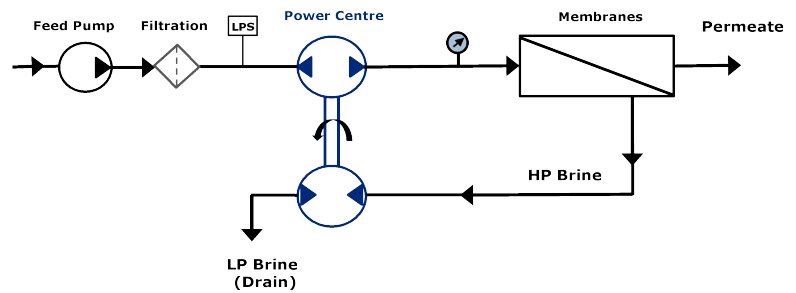
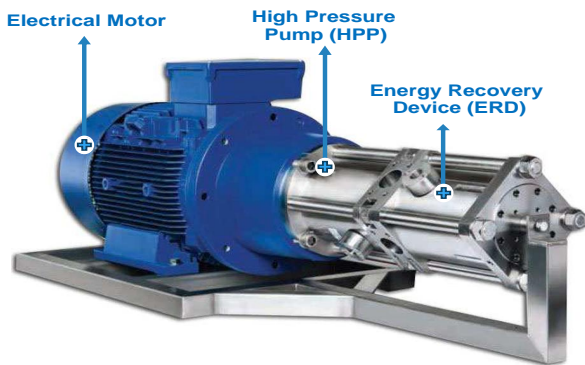
# DESALINATION / WATER TREATMENT

## POWER CENTRE (PC)






The **most compact** Energy Recovery Device (ERD) on the market.

Single device consist of HPP, ERD & Motor, ensures the lowest CAPEX on the market.

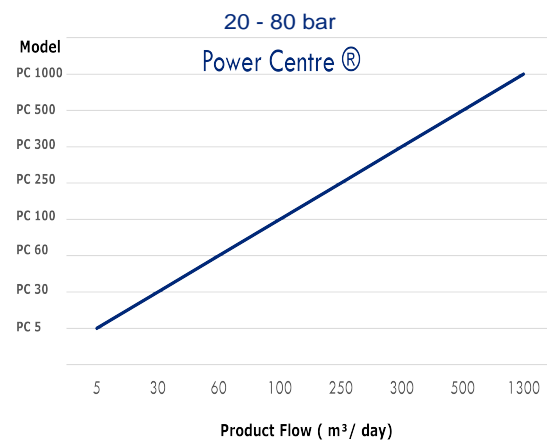
Made of **Duplex Stainless Steel** to ensure best durability. The (PC) high efficiency significantly reduce **OPEX**.



### Technology & Advantages:

-  **Efficiency:** High efficiency up to 90%, ensuring the lowest **OPEX**.
-  **Advanced Design:** One device consist of HPP, ERD, and Motor.
-  **Flexible Operation:** Product flow can be adjusted easily by VFD.
-  **Installation:** The most compact ERD on the market. HPP, ERD, and motor in 1 device, reduces the overall installation costs (**CAPEX**).
-  **Maintenance:** One compact device with few moving parts and oil free, making the maintenance easy and simple task.

### Flow & Pressure Ranges:



### Applications:



**Desalination**  
Sea / Brackish Water



**ZLD / MLD**  
Wastewater Treatment



**Brine Mining**