

# THE POWER PACK

# INFORMATION

The Power Pack serves the same purpose as a typical compressor does for pneumatic actuators, but with water instead of air.

The Power Pack is the driving force of the actuator(s) and delivers 50 bar of pressurized water or a water glycol mix to the actuator(s). The Power Pack is a necessity when using Hydract actuators. The Power Pack includes an accumulator (hydrophore) or an uninterruptible power supply (UPS) which works as a fail-safe if a power failure should occur.

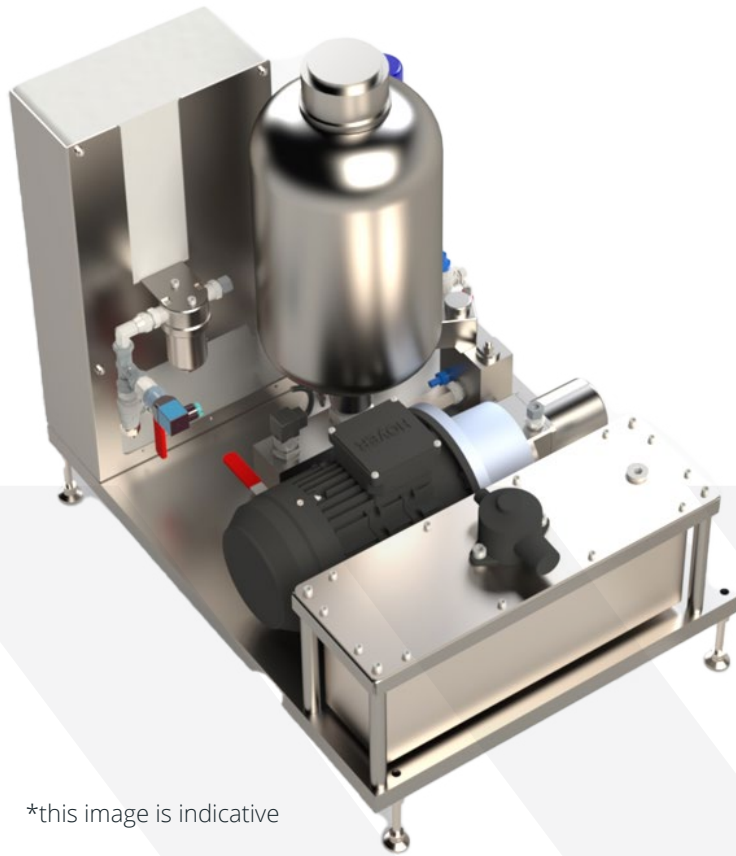
The accumulator also works as a pressure storage device to ensure that the pump does not need to continuously run. It is recommended to include both an uninterruptible power supply and accumulators for larger systems.

The Power Pack comes equipped with a reversed osmosis system.

The Power Pack can also be equipped with an optional UV-sterilizing unit to kill potential bacteria growth in the system.

## TECHNICAL DATA

|                                 |  |
|---------------------------------|--|
| <b>PRESSURE OUTPUT</b>          | The Power Pack delivers 50 bar   |
| <b>HYDRAULIC FLUID</b>          | The Power Pack can be used with a water and glycol mix or with regular tap water   |
| <b>REVERSE OSMOSIS</b>          | The system will keep the water clean with Reverse Osmosis  |
| <b>ACCUMULATOR / UPS</b>        | The accumulator and the uninterruptible power supply (UPS) size are calculated from the number of valves required to be operated in the event of a power failure                                   |
| <b>UV-STERILIZING UNIT</b>      | The optional UV-sterilizer kills potential bacteria build up in the system and ensures a clean and sterile water supply to the actuators   |
| <b>OVERALL DIMENSIONS</b>       | The pump, accumulator, UPS and the water tank in general determine the overall size of the Power Pack and will increase in size accordingly to the amount and use of actuators in the installation |
| <b>INPUT/OUTPUT CONNECTIONS</b> | Return line: 3/8" up to 1½" BSPP<br>Pressure line: 1/4" up to 1" BSPP<br>(depending on the Power Pack size)  |
| <b>POWER SUPPLY</b>             | Power supply: 3 phase (voltage can be specified)   |
| <b>CUSTOMIZATION</b>            | The Power Packs can be specified to order to meet customer requirements  |
| <b>AMBIENT TEMPERATURE</b>      | -20°C to +45°C   |



\*this image is indicative

## FEATURES AND BENEFITS

- » Automatic water top-up
- » Automatic cleaning of water twice a week
- » Balanced pressure
- » Redundant pump
- » Possibility to expand existing powerpack
- » Reversed osmosis reduces maintenance, operating, and energy costs
- » Very low energy consumption
- » Programmable via PLC