

# rotork® Fluid Systems

## Proven Leadership

In the more than fifty years since the company was founded, Rotork has become the standard for excellence in the field of valve and damper automation for the oil, gas, water and wastewater treatment industries around the world. With several fluid power manufacturing facilities in Europe and the United States, and additional *Centres of Excellence* strategically located around the globe, we are able to offer solutions and design systems for virtually any application — from subsea hydraulics to the most sophisticated yet simple control system.

## Engineering Expertise

Hydraulic power units (HPU's) complement our extensive offering of rotary and linear actuators. We have over three decades of experience in their manufacture with units in service in a variety of plants and pipelines in locations spanning the globe. Although our HPU's are primarily intended to power our hydraulic actuators they are of course suitable for other applications as well. And, in order to provide a complete range of options to best meet the requirements of any application, RFS also has the Skilmatic range of self-contained electro-hydraulic actuators.

Rotork HPU's can be produced to meet any global engineering or manufacturing standards including FM, NEC, ATEX, CSA, ANSI, CE and ASME. Materials and construction can be optimised for hazardous, corrosive, or environmentally sensitive areas. Ratings are available for extreme temperatures, and USFDA food grade approved hydraulic fluid is an option.

Our HPU's can also incorporate stored energy accumulators, redundant pumps or controls and even multiple prime movers such as solar powered or gas powered pumps to back up traditional A/C electric drives.

## Unparalleled Support

Contact Rotork for your operational or safety application requirements. We will work with you from conception, to design, to manufacture, to installation, and finally to maintenance and service support.



## HPU Range Custom Hydraulic Power Units for Valve Automation

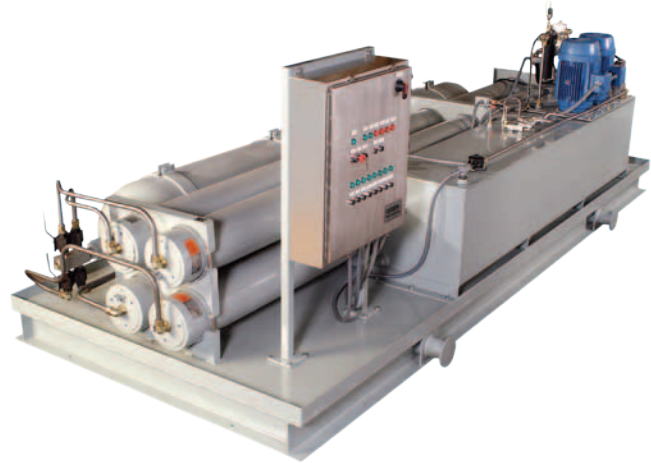
### Rotork HPU's offer significant benefits

- Custom engineered solutions to meet the specific demands of each application.
- Sole source responsibility for the complete operating system including field survey, design, fabrication, test, installation and start-up.
- Best-in-class documentation and service manuals.
- Unparalleled support via Rotork's vast global sales, field service and maintenance network.

**Established Leaders in Actuation Technology**

### Rotork HPU Capabilities

- Hydraulic fluid capacity from 19 to 7,570 litres (5 to 2,000 U.S. gal).
- Operating pressures up to 345 bar (5,000 psi).
- Flow rates up to 3,785 lpm (1,000 U.S. gpm).
- Electrical classifications: NEMA 4, 4x, 7 or comparable CSA or ATEX ratings.
- Corrosion resistant materials and finishes suitable for offshore and other demanding environments.
- PLC or relay based control logic.
- Petroleum based, biodegradable, food grade or fire resistant hydraulic fluids.
- Bus network communication systems via common industry protocols
- Roofed and/or enclosed units.
- Low temperature construction down to -46 °C (-50 °F).
- Portable HPU's for transportation to multiple valve sites.
- Multiple-stroke accumulator storage.
- Multiple redundancy.
- ASME or CE PED rated accumulators.
- Wide array of alarm and indication options.
- Configurable to suit any space constraints.
- Filtration to suit any environment.
- Control multiple valves from one HPU.
- Multiple power source options:
  - Commercial AC.
  - External DC.
  - Pneumatic pressure from a site supply.
  - Solar power generated at site.
  - Gasoline or diesel fuel engines.
  - Natural gas.
  - Wind generators.



A full listing of our worldwide sales and service network is available on our website.

[www.rotork.com](http://www.rotork.com)

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#### Fluid Systems

Fluid Power Actuators and Control Systems

#### Controls

Electric Actuators and Control Systems

#### Gears

Gearboxes and Gear Operators

#### Site Services

Projects, Services and Retrofit