Your Technical Solution Partner for the Oil & Gas / Offshore Industry.

HYDAC was founded in 1963 as a company for hydraulic accumulators and is today an internationally active company group with over 6000 employees, 50 global subsidiaries and more than 500 distributors and service partners.

Our wide range of products, combined with our expertise in development, manufacturing, sales and service enables the oil and gas industry worldwide to overcome the most diverse problems.

Our quality and environment certification to ISO 9001 denote first class quality and responsible management of our resources.

Global presence, Local competence.

Complete solution packages.
One supplier.
One point of contact.

Wherever you need HYDAC, we’re there to help you find the best solution. From components to complete systems.

Worldwide specifications and approvals

API 614

Global presence, Local competence.

Complete solution packages.
One supplier.
One point of contact.

Wherever you need HYDAC, we’re there to help you find the best solution. From components to complete systems.

Worldwide specifications and approvals

API 614
We control, condition and manage:
The various fluids used for the safe operation of subsystems in the oil and gas / offshore industry.
Whether it’s Offshore, Subsea or Onshore - from engineering to certification and final production

Our capabilities:
- Special offshore coating
- Special materials: Carbon Steel (CS), Stainless Steel (SS), Super Duplex Stainless Steel (S)
- Hazardous protection for Offshore and Land-based Rigs
- Multi-country approvals and design
- Development and engineering capabilities with major certification and classification agencies

Design pressures up to 20,000 psi (1,379 bar)
Condition monitoring of oil cleanliness and oil ageing in hydraulic and lubrication oils
Active cooperation in close development partnership through worldwide commercial and technical support.

Components for Pipeline Management
- Hydraulic valve actuation
- Chemical injection
- Shock absorption using piston or bladder accumulators
- Pipeline flushing for pump protection

Oil and gas pipeline flooding with fresh water or seawater.
**Backflushing Filters** AutoFilt® RF3 are used to protect the flooding pumps.

Piston Accumulators used as surge alleviators on truck loading terminal.

**Change-over-filters** in pipeline shut-off valve control unit.

Bladder Accumulator with special coating used for valve actuation. (photo courtesy ROTORK)
Components & Systems for Topside Systems

- Hydraulic Power Units (HPU)
- Well-head Control Panels
- Workover Systems
- Blow Out Preventer (BOP) stacks
- Methanol Injection
- Small Closing Units
- Well Fracturing Mobile Units
- Topside Subsea
- Water Injections
- Chemical Injection Skids
- Top Drive Drill Rigs
- Top Drive Power Swivels

Accumulators

- up to 15,000 psi (1030 bar)
- and/or Filters to actuate valves in Well Head Control Panel.

Diaphragm Accumulators

- used for pulsation dampening during valve actuation.
- Vol. 0.075 l up to 4 l
- Pressure up to 15,000 psi (1030 bar)

Filtration of INJECTION WATER

- with Automatic Backflush Filter
- AutoFilt™ RF3, DN 50 - DN 900.

Filtration of INJECTION WATER

- with Automatic Backflush Filter
- AutoFilt™ RF3, DN 50 - DN 900.

Power Swivel

- powered and controlled by HPU.

Coolers and Plate Heat Exchangers

- used on HPU's.

Bladder Accumulator Rack on HPU.

- Customer-specific engineering and computer-based simulation.

Oil Filtration Cart

- with ATEX approval.

Stainless Steel Piston Accumulator Station

- used on HPU.

Drilling Top Drive

- powered and controlled by HPU and valve block.

High Pressure Stainless Steel Filters - HPSSF on HPU unit.

- Up to 10,000 psi (690 bar)

Accumulators

- up to 15,000 psi (1030 bar)
- and/or Filters to actuate valves in Well Head Control Panel.

Diaphragm Accumulators

- used for pulsation dampening during valve actuation.
- Vol. 0.075 l up to 4 l
- Pressure up to 15,000 psi (1030 bar)

Filtration of INJECTION WATER

- with Automatic Backflush Filter
- AutoFilt™ RF3, DN 50 - DN 900.

Power Swivel

- powered and controlled by HPU.

Coolers and Plate Heat Exchangers

- used on HPU's.
Components for Subsea Systems
- Christmas (production) Trees
- Manifolds
- Production Pods
- Subsea Modules
- Subsea BOP
- Remote Operating Vehicles (ROV)
- Pipeline Flooding

Sectional Spool Valve Control Block with ATEX approved Solenoids.

Chemical Injection Skid

15,000 psi Stainless Steel Threadless Filter

6,000 psi Stainless Steel Ball Valve

Accumulator Station in BOP

Stainless Steel Filters in subsea modules.

High Pressure Accumulators, providing sufficient capacity to operate 100% of all the valves on a production tree.

Stainless Steel Piston Accumulators used on a subsea BOP stack, up to 317 gal. (1,200 l) 15,000 psi (1,030 bar).

Floating Production Storage and Off-loading (FPSO). Improving the cleanliness of PRODUCED WATER before disposal at sea using Automatic Backflush Filters AutoFilt® RF3 (flow rate 800m³/h).

Accumulator Station in BOP

Filters, Ball Valves, and Accumulators in HPU unit.

Chemical Injection Skid

15,000 psi Stainless Steel Threadless Filter
Mono Ethylene Glycol (MEG), Filter, used for gas dehydration on offshore platforms.

Methanol compressors using Stainless Steel Filters - HPSSF, 10,000 psi (690 bar).

Lube Filter and Plate Heat Exchanger for compressors.

Pressure Transducers on compressors to monitor different pressure stages.

Seawater filtration with disposable custom designed Filter Elements for pipeline flooding.

Stainless Steel Filters (low, medium and high pressure)

Condition Monitoring: Online monitoring and diagnosis of fluid contamination, pressure, temperature, flow, level and relative viscosity.

Components for Auxiliary Systems
- Filter Carts
- Condition Monitoring Units
- Chemical Injection Systems
- Compressors and Gas Turbines

Mono Ethylene Glycol (MEG) Subsea Filtration System

15,000 psi Stainless Steel Ball and Check Valve.
Components and Systems Provided for:

Topside Systems
- High Pressure Units (HPU)
- Well Head Control Panels
- Workover Systems
- Blow Out Preventer (BOP) Stacks
- Water Injection

Pipeline Management
- Hydraulic Valve Actuation
- Chemical Injection
- Shock Absorption Using Piston or Bladder Accumulators
- Pipeline Flushing for Pump Protection

Auxiliary Systems
- Oil & Gas Scrubbing Process
- Condition Monitoring Units
- Chemical Injection Systems
- Compressors & Gas Turbines

Subsea Systems
- Production (Christmas) Trees
- Manifolds
- Production Pods
- Subsea Modules
- Subsea Blow Out Preventers (BOP)
- Remote Operating Vehicles (ROV)
- Pipeline Flooding

INNOVATIVE FLUID POWER

HYDAC Germany

HYDAC Netherlands

HYDAC Norway

HYDAC Brazil

HYDAC Canada