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
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

Mounting of pipes on oil rig with HYDAC Clamps and RFL Filter with offshore coating.
Pressure Transducers (up to 15,000 psi / 1030 bar) in HPU’s, well-head control panels and BOP’s. Approvals: ATEX and cCSAus (non-incendive, intrinsically safe) ATEX, CSA, IECEx (explosion and flame proof).

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)

High Pressure Stainless Steel Filters - HPSSF on HPU unit. Up to 10,000 psi (690 bar)

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.

Coolers and Plate Heat Exchangers used on HPU’s.

Filtration of INJECTION WATER with Automatic Backflush Filter AutoFilt® RF3, DN 50 - DN 900.

Drilling Top Drive powered and controlled by HPU and controlled by valve block.

Power Swivel powered and controlled by HPU.

Filtration of INJECTION WATER with Automatic Backflush Filter AutoFilt® RF3, DN 50 - DN 900.

Coolers and Plate Heat Exchangers used on HPU’s.

Customer-specific engineering and computer-based simulation.

Oil Filtration Cart with ATEX approval.

Stainless Steel Piston Accumulator Station used on 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

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).

Sectional Spool Valve Control Block with ATEX approved Solenoids.

Chemical Injection Skid

Accumulator Station in BOP

6,000 psi Stainless Steel Ball Valve

15,000 psi Stainless Steel Threadless Filter

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).
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.

Mono Ethylene Glycol (MEG) Subsea Filtration System.

Oil & Gas / Offshore Industry

Components for Auxiliary Systems

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

INNOVATIVE FLUID POWER

HYDAC
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

**Auxillary 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