

Manufacturing Excellence

HPU:

Hydra offers the markets shortest lead time for **Hydraulic Power Units**. We have a full product and performance range, in both standard and customised configurations to suit any offshore application- **wherever flexibility matters.**

In-House Manifold Production:

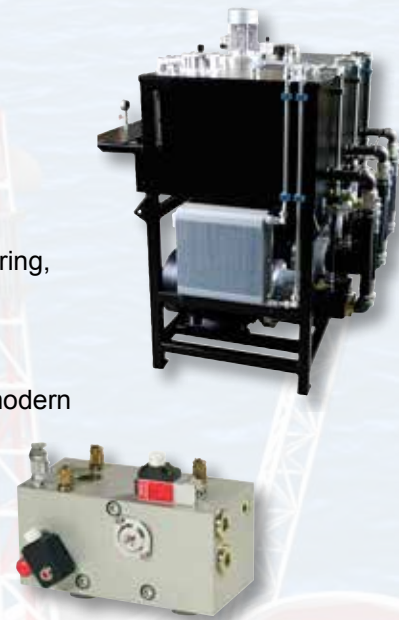
With the latest technology in CNC machinery, robots and in-house thermal deburring, Hydra offers individually designed hydraulic valve manifolds with cost-efficient production to fit perfectly with our customers machines or equipment.

In this way, our customers have access to competent employees, coupled with modern and highly efficient production – **together we can find the right solution.**

From our own hydraulic workshop, we deliver complete valve manifolds, mounted and tested in accordance with customer specifications.

Tubes & Hoses:

Highly experienced, competent operators combined with efficient and flexible machines ensure hose assemblies at the highest level of quality and lowest cost. Our CNC tube bending with integrated flushing and drying process offers you high quality solutions customised exactly to your needs – **Hydra connecting it all together.**



Proven Technology

Know-How and Experience:

Hydra has built up a strong team of experienced and well-educated hydraulic experts. Our Company has more than 35 years' experience in the design and dimensioning of hydraulic systems combined with in-depth product knowledge; making Hydra a strong partner and your safe choice.

Plus+1® Programming:

Hydra delivers the safest and most effective hydraulic solutions on the market.

As your Appointed Sales & Service Partner, Hydra offers in-house PLUS+1® software programming, which ensures optimum machine control. At Hydra we offer you a complete solution – assuring you will receive complete compatibility and optimal service.

In-House Test Facility:

Hydra is able to perform thermal testing under extreme conditions in our own testing chamber. Depending on customer requirements, we test and analyze hydraulic systems from -30°C to +40°C. Simulating operation in extreme conditions allows Hydra to offer thoroughly tested and proven hydraulics systems for a wide range of demanding and critical applications.



World-Class Service

The market's highest level of service:

At Hydra we take pride in having the broadest range of hydraulic components and systems available anywhere in the marketplace. Choosing Hydra as a supplier guarantees you the strongest partner in the industry.

From our hydraulic stock, which includes more than 40,000 active part numbers, we deliver overnight to any seaport or airport in Denmark.

Hydra's exceptional logistics solutions minimise the need for storage capacity at our customers, resulting in reduced inventory costs.

Quality

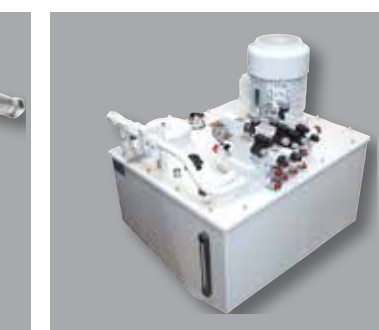
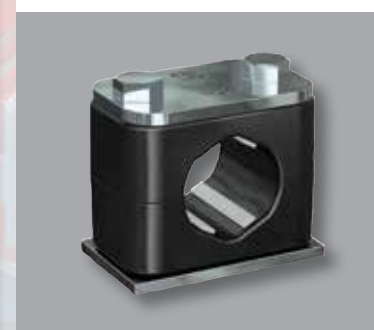
Quality in focus:

As a customer of Hydra you are safe – with well-documented work processes and systems, we strive towards 0-Defects.

Full dedication and commitment to the day-to-day work combined with continuous improvement is Hydra's foundation for Safety, Quality Assurance, Work Environment and External Environment. Simply stated, our goal is **perfection.**

Hydra provides PPAP documentation and uses selected tools from both Six Sigma and TS 16949 to support the realization of continuous improvement in all of our processes.

Hydra is DS/EN ISO 9001 certified and holds Achilles JQS approval for supply to the oil industry in Denmark & Norway.



For further information



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Quality products and recognized brands for the Offshore Industry



Explosion-proof Valves from ATOS

On-off or proportional valves, for use in potentially explosive environments with presence of gas or flammable dust. Offshore installations rely on innovative mooring & tensioning systems to secure a safe & efficient stabilization. The mooring hydraulic control is performed by open loop proportional pressure valves for smooth, reliable service



Hydra offers ATOS valves type-tested and certified to:

- ATEX 94/4/CE standard Ex
- IECEx worldwide recognized safety certification
- UL 1002 American standards

Stainless Steel Filters:

High pressure in-line stainless steel filters are used as process filters to protect individual valves or the entire hydraulic circuit from contamination as per ISO 4406 or SAE 4059. Filters are available with operating pressures ranging from 60 to 1,000 bar, threaded connections from 1/4" to 3/4" BSP-NPT-SAE. The filters are available in the following configurations:



- In-line, with threaded mounting
- Manifold side mounting
- Duplex versions for continuous operation requirements

High Pressure Ball Valves

Hydra offers high quality AISI 316/316L ball valves for various offshore applications incl. ROV. The ball valves are tested for functionality, consistency and tightness according to all applicable norms, official laws and safety specifications, as well as quality guidelines.



The ball valves can be tested according EN 12266, DIN 3230 part 5 and part 6, API 598 or API 6D and delivered with approvals to DNV, GL, ABS, LRS.

Hand-held hydraulic tester

- Complete range of sensors – pressure, flow, temperature, tachometer
- Intelligent digital sensors (CAN protocol) for easier wiring and auto configuration
- Internal storage for over 36 million readings – expandable to over 1 billion readings
- Logging interval of 1 milliseconds to 24 hours
- Full colour 5.7 inch display
- IP64 and rubberized case surround for protection in harsh environments
- Complete with HPComm version 7 – PC software
- Connectivity – USB Host, USB slave, Ethernet



Planetary Reduction Gears

Reggiana Riduttori planetary reduction gears are designed for transmitting power inside industrial machines. The gears can be connected directly or indirectly to an electric or hydraulic motor. As your appointed Sales & Service Partner, Hydra offers full range of Reggiana gears for applications such as winches, propulsion units and offshore cranes etc.



Danfoss expertise and capabilities to furnish fully integrated systems with electronic control.

In the offshore business, we know that hydraulic performance reliability is important and product delivery time is critical.

As your Appointed Sales & Service Partner, Hydra offers a full range of ATEX certified products for your critical offshore applications such as: cranes & winches, propeller functions & thrusters.

Danfoss Pressure transmitters with Eex approval, adjustable zero and span

The Danfoss intrinsically safe pressure transmitters are designed for use in hazardous environments, and offer a reliable pressure measurement, even in harsh and demanding applications.

The flexible pressure transmitter programm is EEx ia IIC T6 explosion protected according to ATEX 100a



Couplings & Multi-connections

In offshore applications quick-release couplings and multi-connections are often used in environments that are often corrosive. For this reason Hydra offers quick-release couplings and multi-connections made of AISI 316/316L stainless steel.



Hydraulic Hose Assemblies

Drawing on a long history of experience and expertise in fluid power engineering and hose technology, Hydra offers Gates quality products for the offshore industry.

Gates manufactures an extensive range of hydraulic hose and couplings which meet and exceed SAE, EN and ISO performance specifications and are certified to ABS, DNV, Lloyds, BV and GL requirements. Hose assemblies are available in sizes from 1/4in up to 3in with all international terminations in both carbon and stainless steel.



SAE Flanges

Hydra offers a complete range of SAE 3000 / 6000PSI series according to ISO 6162 / SAE J 518 C. From 1/2" to 5" in S355J2G (St. 52.3) or EN 1.4404 (AISI 316L) can be supplied c/w UNC bolts & o-ring.

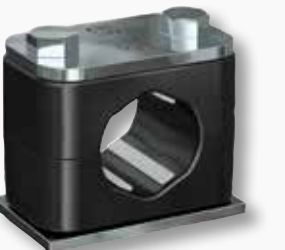


Anti-corrosion Pipe Clamps from STAUFF.

Efficient prevention of crevice corrosion under pipe clamps on stainless steel pipe-work.

Middle- & long-term cost savings are made possible due to extended service and maintenance intervals.

- No accumulation of seawater between clamp and tubing.
- Construction according to DIN 3015
- Compliant to NORSOK Z-010, NACE SP0108 and API RP 552
- Long-term field tested on a rig in the Dutch sector of the North Sea.



Hydra stocks a full range of pipe clamps in standard, heavy and twin series, available up to 450 mm.