

HYDRECO

ADVANCED HYDRAULIC TECHNOLOGIES

Technology for Innovators

Custom made motion solutions for mobile applications



Hydreco Hydraulics Press Kit 2022

ONS 20
22
29 AUG – 1 SEPT
STAVANGER – NORWAY

Booth 5542 - Hall 5

[hydreco.com](https://www.hydreco.com)

HYDRECO HYDRAULICS EXHIBITS NEW PRODUCTS FOR ENERGY AND OIL & GAS AT ONS SHOW IN NORWAY

The company of the Diplomatic Group, specialized in the design and production of Motion Solutions for mobile operating machines, will be presenting its new products for the first time at the ONS show, a leading meeting place and the reference point for energy transition to new cleaner and renewable solutions, to be held in Stavanger, Norway, from 29th August to September 1st, 2022 (stand 5542 - Hall 5).

Pooler, UK, July 28th, 2022 - From 29th August to September 1st, 2022, Hydreco Hydraulics will be showing its new solutions at ONS, the leading trade fair for energy and Oil & Gas equipment, with over 1,200 exhibitors, that will be held in Stavanger exhibition center, Norway.

In the naval, marine, and offshore sector, Hydreco and Diplomatic solutions are employed in all motion systems, such as cranes, winches and mobile bulkheads and ship doors. High reliability and precision are the focus to meet the requirements imposed by extreme conditions such as those offshore, where particular attention to human safety and environmental protection is required.

At the ONS show, the company will be exhibiting:

- o Hydreco HY pumps and remote-control systems as well as BLS6 distributors;
- o Diplomatic Ex Proof Valves, Subsea valves, and compensators.

The new Hydreco range of **Aluminum External Gear Pumps** on display at ONS is made in the new production site in Parma, Italy. The HY series is provided with an aluminium alloy housing, two gear wheels supported by sleeve bearings and cast-iron flange and cover. Available as pumps and motors, it offers high efficiency and can be applied in standard and heavy-duty application, thanks to the high reliability and the accuracy of design and production. The pumps can be supplied as single, or as multiple units with a wide variety of options on flanges, shafts, and ports, providing the right setup on each application.

Other additional features and developments will be on show at the booth as well.

This range of **Gear pumps** and **motors** is the result of the experience and knowledge acquired over many years of engineering and manufacturing that made Hydreco very well known for the performance and the reliability of its gear pumps series.

Remote controls, developed by the Italian entity of the Group as well, include an extensive range of hydraulics remote control valves for pilot circuits, hand, and foot operated. All devices can be supplied with more than 200 metering curves for the optimal regulation of main controls.

Different types of **Ex Proof Valves** are produced by Duplomatic MS from pressure valves to directional valves and flow control valves, both solenoid and proportional. These explosion-proof valves can be installed in the most part of the world as they are approved for EU market with ATEX and worldwide with IECEx certification, and for specific countries, like Brazil and India, with InMETRO and PESO certification.

Duplomatic also developed **Subsea products** like solenoid operated valves and subsea compensators. A proven track record and extended testing of these products make them reliable to specific applications.

Hydreco is also pleased to introduce the range of **bankable valves**. This range represents the answer to the demand of a compact but effective solution with a flow capacity from 15 l/min to 60 l/min and the possibility of assembling up to eight working sections

ONS is a global meeting point for Hydreco customers in the energy and Oil & Gas industry, that represent a major portion of Hydreco revenues in Norway. These sectors are also key targets for Duplomatic Hydraulic Systems, the premier source for the design and construction of custom-made hydraulic power systems. Hydraulic Systems BU takes cares about engineering manufacturing and testing for tailor made big hydraulic power units, valves manifolds: usual approach is to clear understand customer request and suggest the best solution for the application in terms of space, weight, cost.

“We are honored to be exhibiting at this show, that is one of the most relevant events for this energy industry and for the Norwegian market” said Magnar Olsen, General Manager, Hydreco Hydraulics Norway AS.

ONS is also the showcase for the Group next organizational change. *“The recent acquisition by Daikin Industries of Duplomatic Group and its legal entities - among which Hydreco – will open new horizons in the journey towards innovation and expansion in our group,”* said Katie McColl, CEO of Hydreco Hydraulics. *“The Daikin lead, combined with Duplomatic support, will further boost the significant investment plan on new products and solutions launched by Hydreco since 2020”*, concluded McColl.

The Hydreco team is available for meetings with customers, interested parties and with the press at **stand 5542 Hall 5**.

Hydreco Hydraulics, based in Poole, UK, was acquired in 2019 by the Duplomatic MS Group, of Parabiago (Milan, Italy). The group has a turnover of 147 million euros and over 650 employees. Hydreco Hydraulics has a long and significant heritage in the world of hydraulic components: for over a hundred years it has been designing, manufacturing, and distributing products for the transport and mobile hydraulics sector: with offices and plants in Italy, Norway, Germany, USA, India, and Australia, Hydreco has a worldwide production and sales network. www.hydreco.com **Press info:** Sara Bernardelli, sbernardelli@hydreco.com

Hydreco HY Gear Pumps and Motors

The HY new range of gear pumps and motors is the result of the experience and knowledge acquired over many years of engineering and manufacturing that made Hydreco very well known for the performance and the reliability of its gear pumps series.

The HY series is provided with an aluminium alloy housing, two gear wheels supported by sleeve bearings and cast iron flange and cover. Available as pumps and motors, offers high efficiency and can be applied in standard and heavy duty application, thanks to the high reliability and the accuracy of design and production.

The pumps can be supplied as single, or as multiple units with a huge variety of options on flanges, shafts and ports, providing the right setup on each application. Feel free to contact your Hydreco representative to find out more and to get the proper support in your selection.

ALREADY AVAILABLE:

Group1 and **Group2** pumps and motors in multiple configuration.

Group2 Lownoise Version

Group2 with cast iron body

Group3  AT **ONS** ²⁰/₂₂

COMING SOON:

Group3 with cast iron body

DISPLACEMENT (HY1+HY3)

From 1 to 63 cm³/rev [from 0.06 to 3.84 in³/rev]

PRESSURE

Max continuous 260 bar (3,770 psi)

Max intermittent 290 bar (4,200 psi)

Max peak 310 bar (4,500 psi)

MAX SPEED

4,000 rpm

HY Gear Pumps and Motors

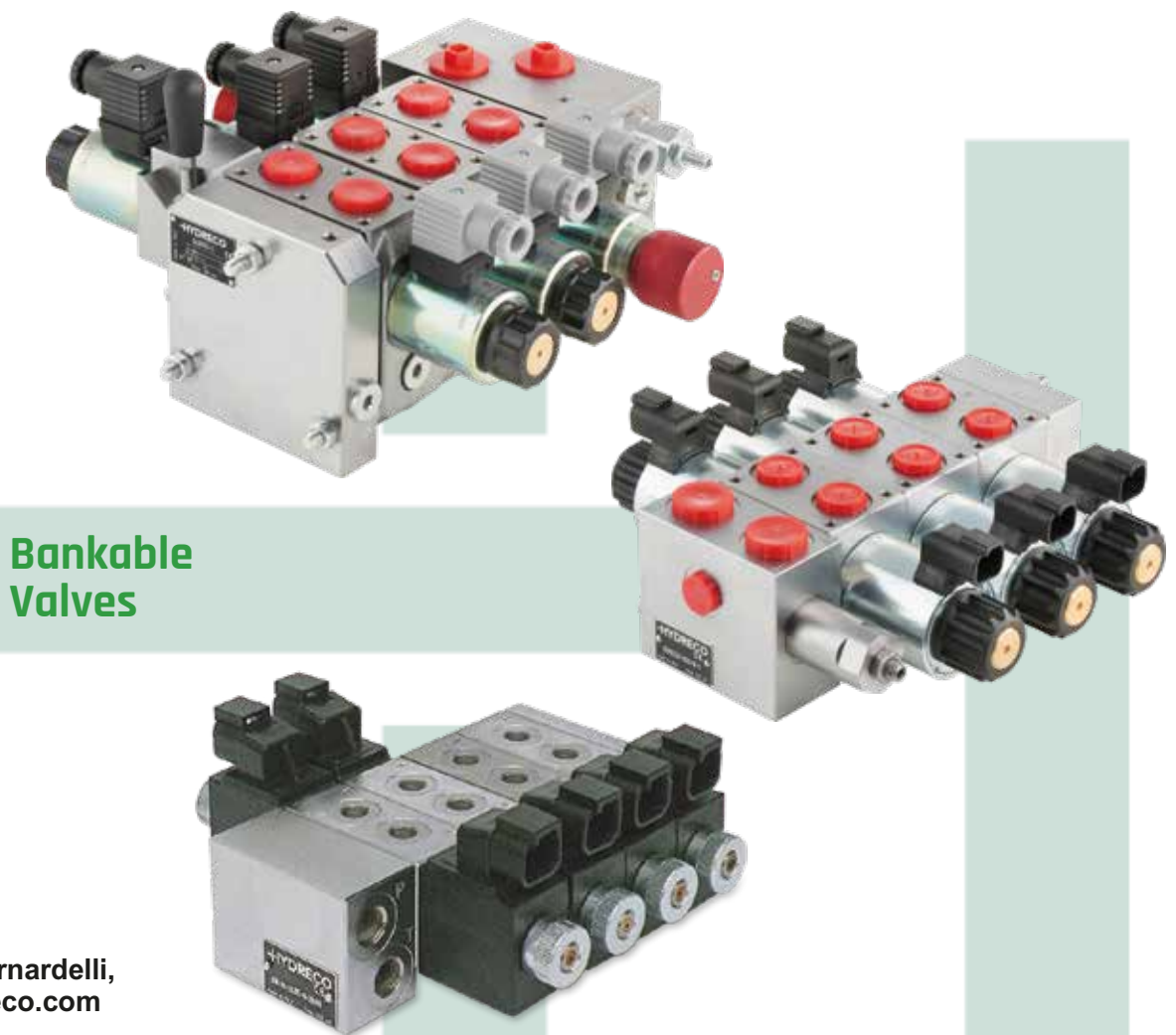


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Hydreco SD-SDN-SLSE Bankable Valves

Hydreco is pleased to introduce the range of bankable valves. The range represents the answer to the demand of a compact but effective solution on the bankable valves side of applications. With a flow capacity from 15 l/min to 60 l/min and the possibility of assembling up to eight working sections - with a significant variety of options – the bankable valves are the right “device” for many applications, where flexibility and compactness are a must.

With the maximum operating pressure at 320 bar, the range of SDN, SD and SLSE bankable valves is at your side to implement the solution that empower your application.



**Bankable
Valves**

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Hydreco Hydraulics

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Hydreco Remote Controls

Hydreco Hydraulics Italia provides an extensive range of hydraulics remote controls. From the dual axis joystick (available in 2 versions to match all the needs of various applications) to the single axis device (usable also in the modular version with many options on board). The range includes also monoblock pilot valves, particularly suitable in the most demanding environment, foot pedals, available in various configurations and layouts, as well as supply units, configurable with 2 or 3 ways selector - 12/24VDC solenoid.

All devices can be supplied with more than 200 metering curves for the optimal regulation of the main controls (Directional Control Valves and/or Hydrostatic Transmission).

Hydreco is happy to support customer's request with tailor made solutions, based on our experience and the wide range of available solutions.



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Hydreco Handles

Hydreco Hydraulics is able to supply several type of multifunction ergonomic handles

The concept at the base of Hydreco proposal is the easy of operation for the customers, thanks to the attention to the design and the proper fit for the operator.

The 3 models (MFE, MFE2 and EXM) can host many different devices with multiple possibilities on the configurations side. Also, logic boards can be built in, providing additional power without compromising ergonomic and/or cabin space. Capacitive sensors are also available to provide an effort free experience and a significant advantage to the operators. Tailor made solution is the key feature of our handles range, completed by knobs and straight command for the simplest needs.



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ATEX Valves

Duplomatic MS offers a wide range of valves suitable for operate in atmospheres where explosions can occur because of dust, vapors or gases that are likely to ignite or detonate. So, they are suitable for most workplaces that use or store flammable or explosive materials, for surface plants or mines.

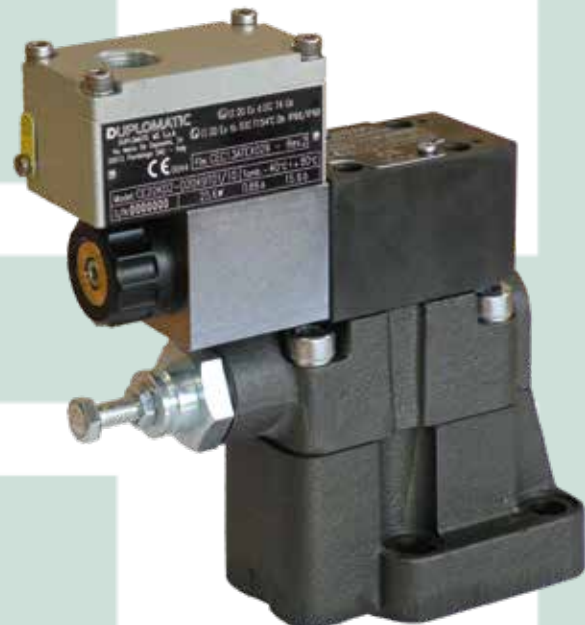
We have in stock pressure valves, directional valves and flow control valves, both solenoid and proportional, in CETOP sizes. Metric or NPT connections are available in upper or side position. Cable glands are available. Versions for temperatures down to -40 °C and version with monobloc steel coils complete the range.

Duplomatic's explosion-proof valves can be installed in most part of the world as they are approved for EU market with ATEX and worldwide with IECEx certification, and also for specific countries like Brazil and India with InMETRO and PESO certifications.

Manufactured by



ATEX Components



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CETOP Valves

Duplomatic is pleased to introduce the range of CETOP standard directional valves for subsea application.

Subsea option can be provided to all DS3 and DL5B valves range, for other many components where these valves are applied as well as for some proportional valves.

Valves can be installed in subsea dielectric oil filled chamber are suitable to work up to 1,000 m water depth w/o compensation and up to 3000 m water depth by balancing internal chamber pressure with external water pressure.

Use of cable strips for connection simplify the connection to subsea connectors and reduce weight as well as potential problems related to connectors wearing.

Subsea oil compensators are custom designed Duplomatic components use as oil reservoir in subsea applications. Use of hard anodized aluminum components as well as stainless steel accessories allow long life in subsea use.

Oil compensators can be provided in various dimensions: from 0.5L for small oil chamber to be pressure compensated, up to 6L and more to be used as oil reservoirs.

The aluminum design guarantee low weight and possibility of customization are key points of this product.

A series of optional accessories can be applied:

- Subsea linear sensor filling level monitoring
- Switches for low- and high-level alarm
- Pop off valves for pressure relieving in case of failure
- Different output sizes and quantities

Manufactured by
DUPLOMATIC
MOTION SOLUTIONS



Subsea Components



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Hydreco Hydraulics

FOUNDATION 1860

ACQUISITION: 2019

LOCATION
> Poole (UK), Italy, Germany, Norway, India, Australia, USA

PRODUCTS
Pumps, valves, PTOs, cylinders, controls


SECTORS
Mobile applications



Hydreco - Italia Srl

LOCATION
Vignola (MO), Parma (Italy)

PRODUCTS
Remote controls, pilot valves, direct control valves, gear pumps



Hydreco - Srl

LOCATION
San Cesario s/P (MO, Italy)

PRODUCTS
Hydraulic cylinders



Hydreco - Norway A/S

LOCATION
Nittedal (Norway)



Hydreco - GmbH

LOCATION
Straelen (NRW, Germany)



Hydreco - India Ltd

LOCATION
Bangalore (India)

PRODUCTS
Gear pumps



Hydreco - Pty Ltd

LOCATION
Seven Hills (NSW, Australia)
Welshpool (WA, Australia)

PRODUCTS
PTOs, pumps, valves, controls



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Hydreco Norway: solutions for Oil&Gas, off shore and marine



Cold and extreme weather conditions and an **icy** and often **rushing sea**. This is the scenario in which Hydreco Norway's team finds solutions for their customers' applications. Hydreco **Hydraulics Norway** is **located** in **Nittedal**, **close to Oslo**, and support customers all around the long Norwegian coastline with the demanding and rough North Sea as closest neighbor. **Norwegian coastline** with total length of 100.915 km included fjords and Iceland's is the **second longest coastline in the world**, after Canada.

A land, rich in high mountains and water surrounded by the harsh North Sea, that over time has led Hydreco Norway to **specialize in solutions for the Oil & Gas** and **Off-Shore** and **Marine sectors** in which it has been representing excellence for many years.

A consolidated presence: our history in Norway

History for Hydreco Norway started in **1970** under the name **Hamworthy Hydraulics Norway**. It was a well-known supplier for hydraulics products into the early start of Norwegian Oil & Gas and Offshore successful history. Already in **1972 Hamworthy** supplied to **Hydralift AS** products for the first prototype of **Hydralift Offshore Crane**, that set the benchmark for design and robustness for Offshore cranes **all around the world**.

With the cold and extreme weather conditions in the North Sea, it is necessary to provide special products, **knowledge**, solution oriented and tailor-made products and systems for every application. These skills were developed between customer and Hydreco team due to close and tight customer relation throughout more than 50 years.

In **1993 David Brown** acquired the **Hamworthy Hydraulics Group** and **David Brown Hydraulics Norway** was thus **formed in 1995**. In **2012** the name was **changed to Hydreco Hydraulics Norway AS**.

Product ranges

Engaged in traditionally complex sectors, in which the engineering capacity goes hand in hand with the need to create products and components capable of withstanding **extreme operating situations**, Hydreco Norway has **focused on the development of hydraulic systems** and **control systems** for the marine and off -shore with a wide range of **drives / motors** for **hydraulic winches two-speed motors, valves, brakes and planetary gearboxes**, even **light and compact**.

Furthermore, it supplies **winches** for important customers, an experience that has led Hydreco today to produce not only standard but also special winches, **customized to customers' specifications**.

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Over 100 years of Hydraulics Experience

Hydreco Hydraulics - a member of **Duplomatic Group** - is the **designer, manufacturer and distributor** of **products** servicing the **transport and mobile hydraulics sector**. Hydreco has a combined **history of 100+ years** in developing solutions through a rich heritage of legacy companies.

The joining of David Brown Hydraulics, Powauto and Hydreco in 1997 brought together some of the most respected products, people and heritage brands in the business. **Engineering excellence** is at the core of Hydreco's organization, the product range is geared towards offering the **best possible solution** for **many applications** within **Construction, Earth Moving, Transport, Industrial, Materials Handling**, and many more.

Outstanding performance on a global scale

Hydreco's entry into Duplomatic Group in 2019 has resulted in a **strong synergy** between the two organizations, strengthening the Group's ability to **provide tailored solutions** for a **wide range of applications** in the **mobile and industrial sectors**.

Advanced Hydraulic Technologies

Hydreco Hydraulics has an **extensive range** of **low noise helical gear, aluminium and cast iron gear pumps**, as well as **standard spur gear** models. Its **valve range covers** the **complete portfolio** of **Duplomatic Motion Solutions products**, **multi-spool sectional** and **monoblock** models with **electro-hydraulic, hydraulic and lever control** and **manifold system solutions**.

Dual axis, stackable, and single axis hydraulic pilot valves are also **available** with an **extensive range of handle options** including ergonomic handles with **many switches** and **button options**. Hydreco is also **capable** to produce **tailor made hydraulic cylinders**, with an extensive range of pores, lengths and options.

The Group also provides a range of **electronic devices** for the **complete control** of **mobile vehicles**.

Hydreco Hydraulics daily mission

Hydreco Hydraulics can demonstrate a **proven ability** to **meet the needs of customers** and to **support world leaders** in their **individual fields**.

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