

Integrated Technologies for Sustainable Industry



Diplomatic Group

**Press Kit
2025**

**Stand H45
Hall 06**

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DAIKIN AND DUPLOMATIC MS AT EMO HANNOVER 2025: INTEGRATED MOTION AND COOLING TECHNOLOGIES FOR SUSTAINABLE INDUSTRY

Duplomatic MS (Daikin Industries), a leading global provider of advanced motion control solutions, will showcase its latest energy-efficient hydraulic, electromechanical, and thermal technologies at EMO Hannover 2025, taking place from September 22 to 26 in Hannover, Germany (Hall 06 | Stand H45).

Parabiago, Milan (Italy), July 4th, 2025 – From September 22 to 26, the Daikin Hydraulics Group, including Duplomatic MS, will showcase its most advanced innovations in motion and cooling technologies at EMO Hannover 2025 (Hall 06 | Stand H45), offering integrated solutions for a smarter, more sustainable manufacturing industry.

Visitors will discover a comprehensive range of technologies engineered to reduce energy consumption, enable predictive maintenance, and support Industry 4.0 transformation through smart connectivity and high-efficiency design.

Highlights on display:

- **SUH – New model of “Super Unit” series Hybrid Hydraulic Unit:** a smart, all-in-one servo pump system integrating pump, motor and cooling, designed for maximum efficiency and footprint reduction. Now with high-speed communication options.
- **EHU – “Ecorich” series Hybrid Hydraulic Unit:** delivers up to 65% energy savings, reduced thermal stress, and compact design, which fits best on machine tools.
- **AKL Inverter-Controlled Chiller:** ensures precision cooling through inverter technology, boosting machine performance. New model with R454C refrigerant, which passes the F-gas regulation’s limit of GWP150.
- **Long-Life Filter:** designed to extend operational life and reduce maintenance frequency of chillers for more than a year, contributing to reduction of maintenance workload at factories.
- **ECO3 Electric Cylinder:** integrates a brushless servo motor and IO-Link electronics, ideal for advanced digital automation environments.
- **Proportional valves with fieldbus connectivity:** ensure robust control and seamless system integration.

These solutions reflect the Daikin Hydraulics Group’s commitment to delivering **total motion and thermal systems** tailored to the evolving needs of machine tool OEMs and industrial users.

“At EMO, we bring to life our vision to Move Modern—helping the industry transition from traditional systems to high-efficiency, sustainable solutions that are ready for the challenges of tomorrow,” said Yuya Kimura, Vice President of Duplomatic MS. *“It’s about advancing precision, digital integration, and environmental responsibility in every component we design.”*

New collaboration on display

Deltatherm Hirmer GmbH, which joined the Daikin Group in July 2025, will feature one of its **specialized industrial chillers**, expanding the group’s footprint in engineered cooling systems for industrial applications.

Press Event Invitation

Join us for an exclusive **Press Event** on-site at **EMO Hannover 2025**:

September 22nd | 14:00 -14:45 CET

📍 **Hall 06 | Stand H45**

Meet our experts, discover the new technologies, and learn how Daikin Hydraulics Group is driving the transition toward sustainable industrial performance.

To confirm attendance, please contact: s.bernardelli@duplomatic.com

Duplomatic MS Spa, a Daikin Group company – Headquarters in Parabiago (Milan), with a turnover of 138 million euros and seven hundred employees at 31.12.2024 – designs and manufactures hydraulic and electromechanical components and systems for motion control in various application sectors. The Group is present on the market through the following brands: Duplomatic Motion Solutions for industrial applications, Hydreco Hydraulics for mobile applications, Continental Hydraulics for North America. The Group has production plants in the USA, Japan, China, India, Australia, Italy, Germany, Great Britain, and sales offices in different areas of the world. www.duplomaticmotionsolutions.com

Media Inquiries: s.bernardelli@duplomatic.com

DAIKIN UND DIPLOMATIC MS AUF DER EMO 2025 IN HANNOVER: INTEGRIERTE ANTRIEBS- UND KÜHLUNGSTECHNOLOGIEN FÜR EINE NACHHALTIGE INDUSTRIE

Diplomatic MS (Daikin Industries), ein weltweit führender Anbieter von fortschrittlichen Antriebslösungen, stellt auf der EMO Hannover 2025 seine neuesten energieeffizienten hydraulischen, elektromechanischen und thermischen Technologien. Diese Messe findet vom 22. bis 26. September in Hannover, Deutschland statt (Halle 06 | Stand H45).

Parabiago, Mailand (Italien), 4. Juli 2025 – Vom 22. bis 26. September, präsentiert die Daikin Hydraulics Group, zu dem Diplomatic MS gehört, auf der EMO 2025 in Hannover ihre neuesten Innovationen im Bereich Antriebs- und Kühlungstechnologie (Halle 06 | Stand H45) - mit integrierten Lösungen für eine intelligentere und nachhaltigere Industrie.

Besucher werden ein umfassendes Spektrum an Technologien entdecken, die darauf ausgelegt sind, den Energieverbrauch zu senken, vorausschauende Wartung zu ermöglichen und den Wandel zur Industrie 4.0 durch intelligente Konnektivität und hocheffizientes Design zu unterstützen.

Hervorgehobene Technologien:

- **SUH – Neues Modell der „Super Unit“-Serie Hybrid-Hydraulikeinheit:** ein intelligentes All-in-One-System mit Pumpe, Motor und Kühlung, das auf maximale Effizienz und geringen Platzbedarf ausgelegt ist. Jetzt mit Highspeed-Kommunikationsoptionen.
- **EHU – Ecorich-Serie Hybrides Hydraulik-Aggregat:** bietet bis zu 65 % Energieeinsparung, reduzierte thermische Belastung und ein kompaktes Design.
- **AKL Invertergesteuertes Kühlgerät:** gewährleistet präzise Kühlung mittels Inverter- und IoT-Technologie und verbessert die Maschinenleistung. Neues Modell mit Kältemittel R454C, das die F-Gas-Verordnung mit GWP150 erfüllt.
- **Long-Life Filter:** entwickelt, um die Lebensdauer von Chillern zu verlängern und die Wartungsfrequenz auf über ein Jahr hinaus zu reduzieren – eine echte Entlastung für die Instandhaltung in Produktionsbetrieben.
- **ECO3 Elektrozyylinder:** integriert einen bürstenlosen Servomotor und die IO-Link Elektronik - ideal für fortschrittliche digitale Automatisierungssysteme.
- **Proportionale Ventile mit Feldbus-Schnittstelle:** gewährleisten zuverlässige Steuerung und nahtlose Integration.

Diese Lösungen spiegeln das Engagement der Daikin Hydraulics Group wider, **komplette Antriebs- und Thermosysteme** bereitzustellen, die auf die sich wandelnden Anforderungen von Werkzeugmaschinen-OEMs und Industrieanwendern zugeschnitten sind.

„Auf der EMO bringen wir unsere Vision Move Modern zum Ausdruck – wir begleiten die Industrie bei der Umstellung von klassischen auf nachhaltige und hocheffiziente Lösungen, bereit für die Herausforderungen der Zukunft“, so Yuya Kimura, Vice President von Diplomatic MS. „Es geht um Präzision, digitale Integration und ökologische Verantwortung in jeder Komponente.“

Neue Partnerschaft im Fokus

Deltatherm Hirmer GmbH, seit Juli 2025 Teil der Daikin Group, wird eines ihrer **spezialisierten Industrie-Kühlgeräte** ausstellen und damit die Präsenz der Gruppe im Bereich der technischen Kühlsysteme für industrielle Anwendungen erweitern.

Einladung zur Presseveranstaltung

Nehmen Sie an einer exklusiven **Presseveranstaltung** vor Ort auf der **EMO Hannover 2025** teil: **22. September | 14:00 -14:45 CET** 📍 **Halle 06 | Stand H45**

Treffen Sie unsere Experten, entdecken Sie die neuen Technologien, und erfahren Sie, wie Daikin Hydraulics Group den Übergang zu einer nachhaltigen industriellen Leistung vorantreibt. Um die Teilnahme zu bestätigen, wenden Sie sich bitte an: s.bernardelli@duplomatic.com

Die **Diplomatic-Gruppe** mit dem Hauptsitz in Parabiago (Mailand), Italien und einem Umsatz von 138 Millionen Euro und über 700 Mitarbeitern (Stand 31.12.2024), entwickelt und fertigt hydraulische als auch elektro-mechanische Komponenten und Systeme für die Steuerung von Bewegungen in zahlreichen Branchen. Die Gruppe ist unter den Marken Diplomatic Motion Solutions für industrielle Anwendungen, Hydreco für mobile Anwendungen und Continental Hydraulics für Nordamerika aktiv. Mit eigenen Produktionsstätten in den USA, Japan, China, Indien, Australien, Italien, Deutschland, Großbritannien und Vertriebsniederlassungen in verschiedenen Regionen der Welt ist die Gruppe international präsent. www.duplomaticmotionsolutions.com
Presse Info: s.bernardelli@duplomatic.com

DAIKIN E DIPLOMATIC MS A EMO 2025 A HANNOVER: TECNOLOGIE INTEGRATE DI MOVIMENTO E RAFFREDDAMENTO PER UN'INDUSTRIA SOSTENIBILE

Diplomatic MS (Daikin Industries), leader globale nella fornitura di soluzioni avanzate per il controllo del movimento, presenterà le sue più recenti tecnologie oleodinamiche, elettromeccaniche e per il raffreddamento ad alta efficienza energetica alla EMO Hannover 2025, che si terrà dal 22 al 26 settembre in Germania, a Hannover (Padiglione 06 | Stand H45).

Parabiago, Milano, 4 luglio 2025 – Dal 22 al 26 settembre, il Gruppo Daikin, di cui Diplomatic MS fa parte, presenterà alla fiera EMO 2025 di Hannover in Germania le sue più recenti innovazioni nel campo del controllo del movimento e del raffreddamento (Padiglione 06 | Stand H45), offrendo soluzioni integrate per un'industria manifatturiera più smart e sostenibile.

I visitatori potranno scoprire un'ampia gamma di tecnologie progettate per ridurre i consumi energetici, consentire la manutenzione predittiva e promuovere la trasformazione dell'Industria 4.0 attraverso la connettività intelligente e la progettazione ad alta efficienza.

Tecnologie in evidenza:

- **SUH –Nuovo modello della serie “Super Unit” Hybrid Hydraulic Unit:** sistema servo-pompa intelligente e compatto che integra pompa, motore e raffreddamento, progettato per garantire la massima efficienza e ridurre l'ingombro. Ora disponibile con opzioni di comunicazione ad alta velocità.
- **EHU – serie Ecorich Hybrid Hydraulic Unit:** permette un risparmio energetico fino al 65%, riduce lo stress termico e presenta un design compatto, ideale per le macchine utensili.
- **AKL – Chiller controllato da inverter:** offre un raffreddamento di precisione grazie all'inverter e alla tecnologia IoT, aumentando le prestazioni della macchina. Il nuovo modello utilizza il refrigerante R454C, conforme al limite GWP150 del Regolamento F-gas.
- **Filtro a lunga durata** progettato per prolungare la vita utile dei chiller e ridurre la frequenza degli interventi di manutenzione di oltre un anno, contribuendo a diminuire il carico di lavoro nelle fabbriche.
- **ECO3 – Cilindro elettrico:** con servomotore brushless e tecnologia IO-Link, ideale per l'automazione digitale avanzata.
- **Valvole proporzionali con connettività Fieldbus:** garantiscono un controllo affidabile e un'integrazione perfetta del sistema.

Queste soluzioni riflettono l'impegno della divisione Oil Hydraulics di Daikin nel fornire sistemi completi per il **controllo del movimento e della temperatura**, pensati per le esigenze in evoluzione di OEM del settore macchine utensili e utenti industriali. «A EMO diamo vita alla nostra visione Move Modern – aiutare l'industria a passare da sistemi tradizionali a soluzioni efficienti e sostenibili, pronte per le sfide di domani», ha dichiarato Yuya Kimura, Vicepresidente di Diplomatic MS. «Si tratta di portare avanti la precisione, l'integrazione digitale e la responsabilità ambientale in ogni componente che progettiamo.»

Focus sulla nuova collaborazione

Deltatherm Hirmer GmbH, entrata a far parte del Gruppo Daikin nel **luglio 2025**, esporrà uno dei suoi **chiller industriali speciali**, ampliando l'expertise del gruppo nei sistemi di raffreddamento per applicazioni industriali.

Invito stampa:

Evento dedicato alla stampa a EMO 2025:

22 Settembre | 14:00 -14:45 CET

📍 Stand Diplomatic MS - Daikin **Padiglione 06 | Stand H45**

Per confermare la partecipazione, contattare: s.bernardelli@diploomatic.com

Diplomatic MS Spa, società del gruppo Daikin – Headquarter a Parabiago (Milano), 138 milioni di euro di fatturato e oltre 700 dipendenti al 31.12.2024 – progetta e produce componenti e sistemi oleodinamici ed elettromeccanici per il controllo del movimento in vari settori applicativi. Il Gruppo è presente sul mercato attraverso i seguenti marchi: Diplomatic Motion Solutions per applicazioni industriali, Hydreco Hydraulics per applicazioni mobili e Continental Hydraulics per il Nord America. Il Gruppo ha stabilimenti produttivi in USA, Giappone, Cina, India, Australia, Italia, Germania, Gran Bretagna e uffici commerciali in diverse aree del mondo. www.diploomaticmotionsolutions.com

Contatti stampa: s.bernardelli@diploomatic.com

PRODUCT INFORMATION

DUPLOMATIC MS - DAIKIN EHU – ECORICH HYBRID HYDRAULIC POWER UNITS

High energy-saving performance:

- The highly efficient IPM motor surpasses IE4 class to reduce power consumption by up to 65% compared to a conventional hydraulic unit.

Limited oil temperature increase:

- Its design controls the oil temperature rise, minimizing thermal distortion, and extending oil life. The operating environment is improved, and the oil replacement intervals are extended due to the reduced oil degradation.

Space-saving design:

- A more compact and lightweight unit offers easier installation. All models offer a 9% reduced footprint. The EHU1414 model offers a 40% mass reduction compared to a conventional hybrid unit.



Press info: Sara Bernardelli
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The world first hybrid hydraulic system that combines hydraulics technology and Daikin motor/inverter technology.

Applications: industrial stationary equipment

It complies with regulations.

All models comply with CE standards.

FEATURES

- ✓ Tank: 45 l / tankless
- ✓ Max Pressure: 70 / 135 bar
- ✓ Max Flow Rate: 13,5 / 28,5 l/min

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PRODUCT INFORMATION

DUPLOMATIC MS - DAIKIN AKL INVERTER CONTROLLED WATER CHILLER

The adoption of lower GWP refrigerant (R454C) :

The low-GWP refrigerant R454C (GWP148), which satisfies the regulations of F-gases in the EU (introduced in 2027), is used.

- **Environmental aspect:**

In addition to low GWP, achieving energy saving by using Daikin original IPM motor and inverter control.

- **Safety aspect:**

Refrigerant R454C is the mildly flammable refrigerant, but it can be safely used in factory environments. DAIKIN ensures safety by obtaining the certification required for CE compliance, 'EU Pressure Equipment Directive (PED, Category 2).

*Air transportation of pre-filled chillers is prohibited by avian law.

High-accuracy liquid temperature control:

Achieving high precision control with $\pm 0.1^{\circ}\text{C}$ oil temperature over a load range from 0% (no load) to 100%.

Easy maintenance with Long Life Filter:

The long-life filter collects more mist, so it only needs to be replaced once a year and can be easily replaced without tools.



Press info: Sara Bernardelli
communications@duplomatic.com



Cooling Capacity:

With pump & tank:

1.4 / 3.2 / 4.3 / 6.9 / 12.4 kW

Without pump & tank:

1.8 / 3.5 / 4.5 / 7.1 / 12.6 kW

Various cooling methods:

Engineers can adapt Daikin Fluid cooling unit to match their machine preferences, including:

- Temperature synchronization (inlet, outlet, return)
- Temperature control (fixed setting, ambient, machine body)
- Nine different operation mode patterns.

These adaptable functions ensure the fluid cooling unit provides the correct temperature control for every machine.

Applications: industrial stationary equipment

It complies with regulations.
All models comply with CE standards.

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PRODUCT INFORMATION

DUPLOMATIC MS – DAIKIN

HIGH PRECISION SUPER UNIT - INVERTER HYDRAULIC POWER UNITS

High energy-saving performance:

- DAIKIN's original IPM motors with inverter technology provides about 60% increase in energy-savings compared to a conventional hydraulic unit.

High Accuracy:

- The servo-controlled pump adjusts the pressure and flow rate in accordance with the load. Achieving high precision control with up to 1% hysteresis and linearity over a range from low pressure (1%)/flow rate (1%) to the maximum pressure/flow rate.

Sustained high-pressure holding control:

- Double pump type units enable selection of combination or independent flow using a dedicated solenoid valve to achieve sustained high-pressure control, switching between a low pressure with high flow rate and a high pressure with low flow rate, as is often required for presses and other equipment.

Two types of operation commands:

- As an alternative to directly specifying command values for pressure and flow rate with analog voltage inputs, the operation conditions can be selected easily by using 3-bit ON/OFF digital signals that can call eight different preset pressure/flow rate patterns.

New Model:

- With the model change, the communication protocols are now compatible with Ethernet/IP, EtherCAT, PROFINET, and Modbus-TCP. The controller comes in a connector type lineup, and the maintenance port uses USB Type-C, improving ease of use and maintainability.



Press info: Sara Bernardelli
communications@duplomatic.com



The advanced SUPER UNIT offers several different features to achieve higher performance and energy savings.

Applications: Presses, casting machines

It complies with regulations. All models comply with CE/UL standards.

FEATURES

- ✓ Tankless
- ✓ Max Pressure: 210 / 250 / 280 bar
- ✓ Max Flow Rate
 - ✓ Single pump type: 50 / 100 / 130 l/min
 - ✓ Double pump: 80 / 150 / 200 / 300 l/min

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PRODUCT INFORMATION

DELTATHERM® LT/RKV SERIES INDUSTRIAL CHILLER

Features:

DELTATHERM® LT/RKV Series industrial chiller features an integrated structure combining the cooling circuit, water circuit, and electronic control system. While standard models are intended for indoor installation, optional configurations allow for outdoor use as well. The cooling medium can be water, water with antifreeze, oil, or deionized water. The standard cooling method is air-cooled, but water-cooled and split-type systems are also available.

High Precision, durable and environmentally friendly:

Temperature control is managed by a microprocessor-based digital controller, enabling high-precision regulation (± 0.2 K). The water circuit is constructed with stainless steel piping and an insulated tank, ensuring durability and safety.

Suitable for a wide range of applications:

A wide range of optional features is available to suit various applications, including low-noise design, reinforced pumps, automatic water replenishment, and bus system connectivity. This series offers a reliable and flexible cooling solution for diverse industrial fields.



LT SERIES



RKV SERIES

Press info: Sara Bernardelli
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DELTATHERM

INDUSTRIAL COOLING AND HEATING

Be sure to visit **DELTATHERM**
at stand **B26, Hall 11!**

Performances:

•LT Mini:	1.0 kW
•LTK 1.4 - 3.4	1.8 - 3.2 kW
•LT 4.5 - 6.5 LC	4.2 - 7.5 kW
•RKV 1.5 - 24.5	9.3 - 690.0 kW

Operating Conditions:

- Water Temp Range: +8 to +25 °C (up to 40 °C with options)
- Ambient Temp Range: +8 to +42 °C

Available Options:

- Outdoor installation, radial fans, water-cooled condenser
- Low-noise design, heat recovery, multi-circuit systems
- Flow monitoring, reinforced pumps, automatic water replenishment
- Bus systems (e.g., PROFIBUS DP), external sensors, cabinet heating
- Custom voltages, colours, and mobile versions

Standards Compliant:

- CE-compliant Refrigeration technology designed according to DIN EN 378, part 2
- Electronics designed according to DIN EN 60204
- RoHS and REACH compliant

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PRODUCT INFORMATION

DUPLOMATIC MS - DAIKIN CORE TECHNOLOGY

Oil Hydraulic & Cooling Control

- ✓ Refrigerant system design
- ✓ Structural design
- ✓ High accuracy temperature control
- ✓ Maintenance free condenser

Robust control

- ✓ High accuracy pressure
- ✓ Flow rate control
- ✓ Flow rates switching
- ✓ Adjustments free – self learning

System Control

- ✓ Predictive maintenance – failure diagnosis
- ✓ Hydraulic circuit design, circuit design technology including valves.

Oil Hydraulic Devices

Pump design

- ✓ Hydrostatic bearing
- ✓ Architectural analysis
- ✓ Noise reduction
- ✓ Surface preparation

Valve design

- ✓ Fluid analysis
- ✓ Temperature correction

**DAIKIN's comprehensive strength
contributes to energy saving**

PRODUCT INFORMATION

DUPLOMATIC MS - DAIKIN CORE TECHNOLOGY

Motor & Inverter

Motor and inverter design

- High capacity / heat loss
- Complying with regulations

Sensorless motor

- Highly responsive
- Low speed control / reverse rotation

Failure prognosis for compressor

Oil
Hydraulics
&
Cooling
Control

System
Control



Oil
Hydraulics
Devices

Motor &
Inverter

**DAIKIN's comprehensive strength
contributes to energy saving**

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PRODUCT INFORMATION

DUPLOMATIC MS - DAIKIN AKW IoT/COMMUNICATION

Helping factories get ahead with IoT

Apparently, factories are running smoothly and efficiently, but behind the scenes there are many redundancies and inefficiencies that can bring down productivity. Daikin aims to solve these issues by offering IoT-connected hybrid systems.

How IoT optimises hybrid systems

Process like periodic inspections or changing filters are essential to keep units running at an optimal level. But these processes can be very demanding and waste time and money. Daikin hybrid systems aim to improve these processes with IoT-enabled solutions. With these optional systems, workers get important operating data to see when a unit requires inspection and diagnose issues before they happen.

Perform maintenance checks and update settings

With a host device users can read diagnostics and edit parameters to reduce downtime and ensure the smooth operation of their units.

Operations have access to status updates and write parameter settings for hydraulic and cooling units.

Advantages for factory workers

Machine manufacturers

The operating data, maintenance timing, and procedures can be displayed on the operation screen to help reduce the machine failure rate and the working hours spent on inspections

Machine users

The operating data maintenance timing and procedures can be displayed on the PC in the maintenance room, reducing the hours spent on inspections.

All models comply with CE standards.

PRODUCT INFORMATION

DUPLOMATIC MS – S5 SOLENOID VALVE

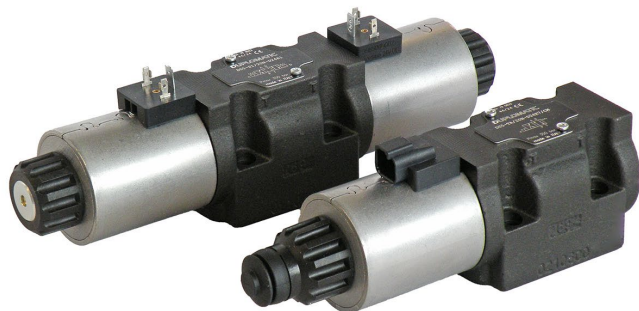
Duplomatic is proud to unveil its new direct-acting directional solenoid with ISO 4401-05 mounting pattern, a completely redesigned product that delivers superior performance in efficiency, durability.

Robustness and Durability

- The new direct-acting directional solenoid valve ensures reliable performances. Its compact and robust construction allows for easy integration into tight spaces, while maintaining superior structural integrity, making it ideal for demanding environments.

Product Optimization and Cost Efficiency

- The optimized core reduces pressure drops and enhancing energy efficiency. Additionally, the lightweight design provide a cost-effective solution without compromising performance.



Press info: Sara Bernardelli
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The new DS5 series 20 valves are for DC power supply.

The available connections meet most requirements in terms of ease of use, durability in harsh environments, compatibility with existing systems, and ensure both safety and reliability.

FEATURES

- ✓ Max Pressure: 350 bar
- ✓ Max Flow Rate: 150 l/min
- ✓ Power consumption: 40W

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PRODUCT INFORMATION

DUPLOMATIC MS – CONNECTIVITY ON PROPORTIONAL VALVES

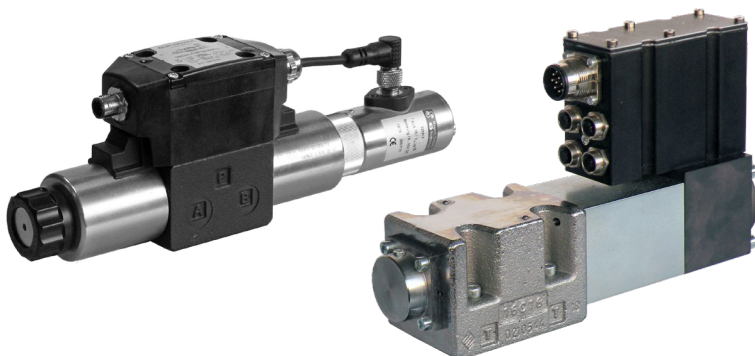
Duplomatic MS offers a comprehensive range of proportional valves designed to meet the diverse needs of our clients. With three types of integrated electronics, we provide both compact and cost-effective products as well as advanced connectivity technologies. From IO-link to industrial Ethernet communication, our solutions cover every field.

Cost-effective connectivity

- Our compact on-board electronics offer enhanced connectivity with IO-Link and CanOpen interfaces, along with a compact 5-pin M12 connection, enabling seamless integration into complex systems

Advanced connectivity

- Our servo-proportional directional valves feature double feedback for precise control and Ethernet connectivity, ensuring seamless integration and high-performance operation in advanced automation systems.



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FEATURES

✓ Compact electronics:

Analogue interface
Io-Link
Can Open

✓ Fieldbus electronics:

Ethernet/IP
EtherCAT
ProfiNet

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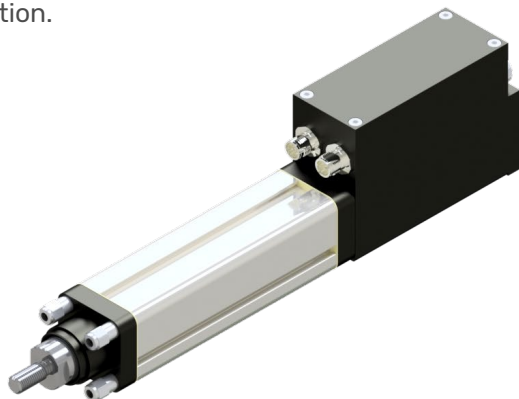
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PRODUCT INFORMATION

DUPLOMATIC MS – EC03 ELECTRIC CYLINDER WITH SERVO MOTOR AND INTEGRATED IO-LINK ELECTRONICS

Embedded, COmpact ...EC03

- A step forward for electro-mechanical cylinders and mechatronic actuation systems for industrial automation.
- High performance and compactness in a single solution that sets the benchmark for this hierarchy of actuators.
- Compliant ISO 15552, with servo-motor and integrated IO-Link processor, EC03 is the optimal choice for all applications that requires simplicity, efficiency and reliability with an integrated digital solution.
- Duplomatic MS has understood the growing nodes demand for IO-Link, open point-to-point communication protocol, compliant with IEC61131-9 it allows easy integration into existing systems.
- Advantages of EC03 are simplified wiring, easy-parameterization for a first installation and rapid maintenance.
- Being digital, it contributes to the completion of the Industry 4.0 network of industrial machines and systems.
- The mechanic is robust and guarantee resistance and operational durability even in harsh working conditions. Characterized by a larger-sized rod, it offers the optimal solution.



Press info: Sara Bernardelli
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Designed to provide a ready-to-use solution for all most advanced automation applications requiring high dynamics and process control

Application: Packaging, Small Handling, Food & Pharma, EV Battery, Automotive and Semiconductor industries

Compact built-in solution integrating servomotor and IO-Link electronics

FEATURES

- ✓ IO-Link protocol with brushless motor
- ✓ Rated force 450 N
- ✓ Protection grade IP65
- ✓ Power supply 24 Vdc

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DUPLOMATIC MS GROUP AT A GLANCE

Duplomatic MS is a worldwide leader in the design and production of hydraulic, mechatronic, and electromechanical solutions. Its expertise spans a broad range of applications, from industrial automation to mobile machinery, serving major OEMs, system integrators, and distributors. Since July 1st, 2022, Duplomatic MS has been part of Daikin Industries Ltd., further strengthening its global presence and technological leadership, pushing the boundaries of energy efficiency, digital transformation and advanced automation.



REVENUES
138M€
Group full year



WORKFORCE
+ 700



HEADQUARTER
Italy
Parabiago (MI)



TURNOVER BY GEOGRAPHIC AREA
66% Europe
19% Asia Pacific
15% America



CUSTOMERS
+ 5,000
among distributors,
system integrators
and OEMs



FACTORIES
17 all over the world

BRANDS

DUPLOMATIC
MOTION SOLUTIONS
a member of **DAIKIN** group

Duplomatic
Industrial applications

HYDRECO
a member of **DAIKIN** group

Hydreco Hydraulics
Mobile applications

CONTINENTAL
HYDRAULICS
a member of **DAIKIN** group

Continental Hydraulics
Industrial applications for
North America

COMPANIES

With a strong international network, Diplomatic MS delivers cutting-edge motion control technologies across continents.

- ✔ **Hydreco Hydraulics** - Headquarter in Poole (UK) and sites spread in Italy, Germany, Norway, USA, India and Australia – Motion control solutions for mobile applications
- ✔ **Continental Hydraulics** - Shakopee, MN (USA) – Motion control solutions for North America
- ✔ **Diplomatic Hydraulics Shanghai** - Shanghai (China) – Focused on valve production for the Asian market

BUSINESS UNITS

Within Diplomatic MS, next to the Headquarters in Parabiago (Milan - IT) – where valves are designed and manufactured – operate:

- ✔ The **BU Hydraulic Systems** - Lainate (Milan – IT) and Padova (IT) – Specialized in complex systems
- ✔ The **BU Turnkey Projects** - Parabiago (Milan – IT) – Focused on bespoke and innovative turnkey projects
- ✔ The **BU Mechatronics** - Rosta (Turin - IT) - Expert in electromechanical motion solutions, actuators and electric cylinders design and manufacturing
- ✔ The **BU Custom Chillers** - Busto Arsizio (Varese – IT) - Specialists in tailored cooling solutions.
- ✔ The **BU Electric Drives & Motors** - Vicenza (IT) - Developing reluctance motors using magnets free of rare earth elements

SMART MANUFACTURING

Diplomatic MS ensures full control over its production processes, both in Italy and internationally, adhering to Lean Manufacturing principles to optimize quality, efficiency, and service. Its production facilities are strategically located to provide fast and localized support to global markets.

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17 PRODUCTION SITES AND COMMERCIAL OFFICES AROUND THE WORLD

