Results based on cooperation.
HYDAC is a globally represented manufacturer of directional control valves for mobile applications. Our directional control spool valves fulfill the requirements of truck mounted cranes, front end loaders, wheel loaders, skid steer loaders, fork lift trucks, refuse trucks, roll off trucks & trailers, and many other specialized machine applications.

The valves are characterized by highly advanced design solutions including customized spools for optimal metering and load interference management. Our objective is to use our 50 years of experience and technical solutions to optimize the controllability and performance of the machine.

The HYDAC network of quality suppliers in combination with our own gray & ductile iron foundry and high performance production machines provides us with the capacity to serve and satisfy all customers regardless of size and volumes. The appearance, performance, price, and on-time delivery are all key elements of our quality products. Cutting-edge expertise is constantly available, and you, our customer, can always depend on HYDAC to provide the very best products and services.

Our team of mobile hydraulic specialists is able to assist you in designing and supplying an integrated solution which may include any of the HYDAC products. This allows us to provide a solution tailored to your needs and, at the same time, make use of standard products for cost effective solutions. Our engineering team will support yours with product development and specific testing.

HYDAC’s wide range of products, combined with our expertise in development, manufacturing, sales, and service, enables our customers to overcome the most diverse problems. Quality requires control of every step of the production process from casting through delivery of the finished product, and our global team is focused on that total process.

Competence with a firm foundation.
Integrated into the HYDAC Group, the specialized products and systems from Nordhydraulic can be offered through HYDAC’s strong sales organization. Nordhydraulic and HYDAC together can provide highly individual solutions, tailored to customer requirement, in addition to standard products for mobile systems.

A team of technical product specialists has been appointed to pool the know-how and experience of both companies in mobile applications.

We can, therefore, support your projects with extensive engineering services, joint product development, and testing.

With more than 5,500 employees worldwide, HYDAC is one of the leading suppliers of fluid technology, hydraulic and electronic equipment.

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

Our quality and environment certification to ISO 9001/2000 and ISO 14001 denote first class quality and responsible management of our resources.

Global yet local.
With 40 overseas subsidiaries and over 500 distributors and service partners, HYDAC is your reliable partner worldwide with a strong local presence.

System solutions.
One supplier. One contact.
HYDAC Mobile Hydraulic Division is ready to help you develop the most compact, cost effective, energy efficient solution.
Applications

**Hydraulic Valves with Various Actuator Methods and Exceptional Controllability**

- Optional spool designs to minimize flow forces and the impacts of multi-function interference to meet the requirements of the most demanding applications.
- Beneficial valve options to significantly reduce back pressure and speed up gravity return of single acting cylinders.
- Typical high end flows up to 42 gpm and pressure to 5000 psi
- Integrated packages reduce machine assembly time, potential leak points and total system cost
- Multiple spool actuators for machine design flexibility

**Cranes**

- **Precise Controllability** – Numerous spool designs ensure the best performance for each application
- **Safety features** – Overload protection, load holding valves
- **Energy savings** – Smart system solutions, reduce losses and overall costs

**Front End & Wheel Loaders**

- **Low leakage** – Design experience and manufacturing expertise
- **Space and weight savings** – Pioneers in compact design
- **Environmental benefits** – Monoblock valve design
- **Standardization** – Same valve for open center or load sense systems

**Roll Off Trailer**

- **Low pressure drops** – Fast lowering speeds due to low return line pressure drop

**Specialized Trucks**

- **Hybrid approach** – Integration of several valve sizes into one package
- **Process Improvement** – Selectable pressure controls result in consistent material packing densities

**Integrated Solutions**

- HYDAC design team will incorporate various machine functions with standard control valves into a single, cost effective system.
Directional Control Valves

**Monoblock**

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1. Q-Function defines a means of improving neutral pressure drop & flow forces.
2. Other port threads available upon request.
3. Can be used in LS systems.

**Sectional**

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1. Q-Function defines a means of improving neutral pressure drop & flow forces.
2. Other port threads available upon request.

For manual operation of our valves we can supply a range of hand levers, linear and joystick versions.

Contact HYDAC Mobile Hydraulic Division at Mobile.Valve.Info@hydacusa.com
or call your local HYDAC Sales Manager.
Let us help you improve your next machine design!
Remote Controls / Ancillary Valves

**Cable or Radio**
*RC 400*

A complete remote control system for the proportional operation of different applications.

**Pressure Control Valves**
*TBDE 201*

Relief valves, SAE 12 ported, for flows from 5 gpm up to 42 gpm at max. 4350 psi, depending on pressure setting. Adjustable and sealed, built for high reliability.

**Selector Valves**
*RV 713*

Two and three way function, SAE 12 ported, for flows from 5 gpm up to 42 gpm at max. 5000 psi, depending on application. Many spool and remote control options.

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We are ready to support you!

Our applications and engineering team will help you review your hydraulic needs and design a compact, cost effective integrated solution.

We work closely with all of our HYDAC product divisions to bring the best solution to you!

- Sectional & Monoblock Configurations
- Manual, Hydraulic Pilot, Electro Hydraulic, Pneumatic Actuators
- Nominal Flow 14 gpm – 42 gpm
- Maximum Pressure 5000 psi
- Special configurations to help you control fixed or variable displacement pumps
- Custom solutions that combine all of HYDAC’s products into a single all-inclusive package
- Special adapted spool configurations according to your needs

For your new or updated system, contact us at Mobile.Valve.Info@hydacusa.com

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SHOP ONLINE at www.airlinehyd.com

INNOVATIVE FLUID POWER HYDAC

800-999-7378