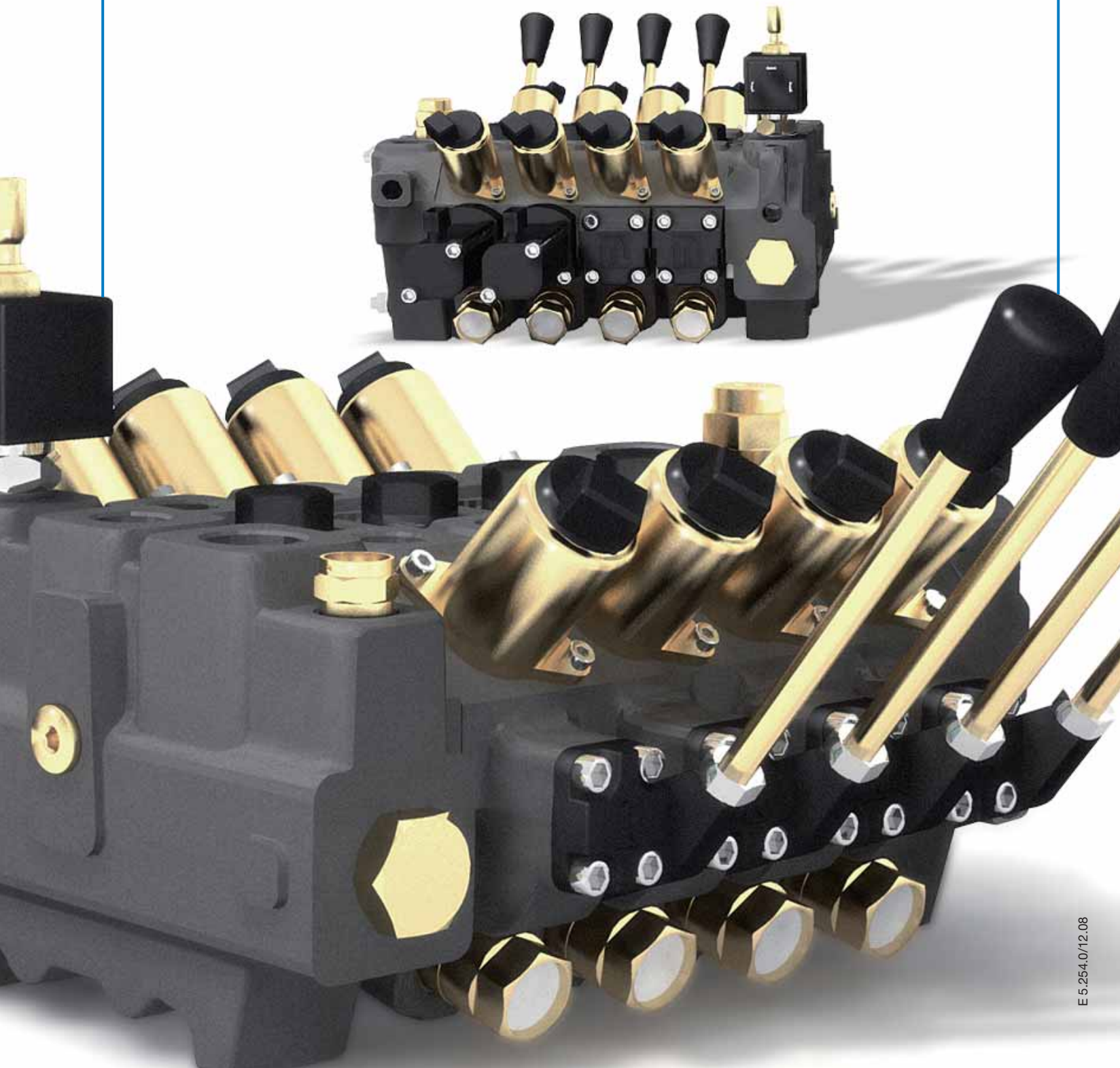




Nordhydraulic

HYDAC INTERNATIONAL

Directional Control Valves.





Your Partner for Directional Control Valves.

Results based on co-operation.

Nordhydraulic is a globally represented manufacturer of directional control valves for mobile applications.

Nordhydraulic directional spool valves fulfil the requirements of truck loading cranes, excavators, skip loaders / demountable bodies, wheel loaders, forestry equipment and other specialized machinery.

The valves are characterized by highly advanced design solutions, including customized spools. Our objective is to optimize the controllability and performance of the machine.

The **Nordhydraulic** network of top-quality suppliers and partners, in combination with our own foundry and our high performance production provides us with the capacity to serve and satisfy all customers, regardless of size and volumes.

Cutting-edge expertise is constantly on hand and you, our customer, can always rely on receiving the very best.

Adequate quality requires control of every step of the production process, from casting to complete product.

It is for this reason that we have our own foundry, specialized in casting grey and spheroidal graphite cast iron.



Directional Control Valves Monoblock.

RM 230



RM 313



RM 270



RMA 202 / RMB 202



Type	Rated flow l/min	System pressure* bar	No. of sections	Secondary valves	Remote control options				Electric unloading	Hydr. spool kickout	Connections BSP**
					Cable	Pneum.	Electr. pneum.	Hydr. prop.			
RM 230	70	300	1 – 4		•	•	•	•		•	1/2"
RM 270	160	350	1 – 4 and 6	•	•	•	•		•		3/4", 1"
RM 313***	120	225	3	•	•	•	•	•		•	3/4"
RMA 202****	70	300	2	•	•						1/2"
RMB 202	70	300	2		•						1/2"

* Depending on application and configuration.
 ** Other port threads on request.
 *** Available for special applications.
 **** Can be used in LS systems.

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

Directional Control Valves Sectional.

RS 210



RS 270



RS 220



RS 280



RSQ 240



Type	Rated flow l/min	System pressure* bar	No. of sections	Load-sensing pressure compens.	Remote control options					Electric unloading	Q-function	Hydr. spool kickout	El. spool position indicator	Connections BSP**
					Cable	Pneum.	Electr. pneum.	Hydr. prop.	El. hydr. prop./on-off					
RS 210	70	350	1 – 10		•	•	•	•		•	•	•	•	1/2"
RS 220	80	350	1 – 10					•	•	•	•	•	•	1/2"
RSQ 240	100	350	1 – 10					•	•	•	•	•	•	1/2"
RS 270	120	350	1 – 10		•	•	•	•						3/4"
RS 280	120	300	1 – 10		•	•	•	•						3/4"

* Depending on application and configuration.

** Other port threads on request.

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

Remote Controls / Ancillary Valves.

Cable or Radio



RC 400
RC 400 is a complete remote control system for the proportional operation of different applications.

Cable



WK
WK is a complete system with control lever and cable.

Pressure Control Valves



TBDE 201
Relief valves, 3/4" BSP ported, for flows from 20 l/min up to 160 l/min at max. 300 bar, depending on pressure setting. Adjustable and sealed.

Hydraulic



HK
Wide range of proportional hydraulic servo valves. Single to triple axis, equipped with foot pedal or handles.

Pneumatic



SVL
SVL are proportional, pneumatic servo valves designed to operate directional control valves in different applications.

Selector Valves



RV 713
Two- and three way function, 3/4" BSP ported, for flows from 20 l/min up to 160 l/min at max. 350 bar, depending on application. Many spool and remote control options.

Electro-hydraulic Components and Systems Solutions for:

Cranes



- Controllability – Spool design
- Safety regulations – Overload protection, load holding valves
- Low power losses – Smart system solutions

Small Timber Cranes



- Safety – Protection against incorrect connection
- Ergonomics – Design and weight
- Ergonomically designed for ease of use – Manual 3-axis levers

Wheel Loaders



- Customized – Developed section by section, adapted inlets and outlets
- Limited space in cabin – Adapted levers
- Lowering speed control – Adapted spools

Front End Loader



- Very low leakage – Design experience and manufacturing
- Adapted to available space – Pioneers in compact design
- Environmental requirements – A robust monoblock valve
- System requirements – Adjusted to the vehicle
- Distribution – The front end loader manufacturer does not supply a complete system

Skip Loaders



- Low pressure drops – Fast lowering
- Multiple functions – Quick and simple thanks to combination valves

Trucks – Specialist Vehicles



- Customized – Combination of various sizes
- Monitoring of the lowering speed – adapted and manually adjustable spools

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.

Therefore 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.

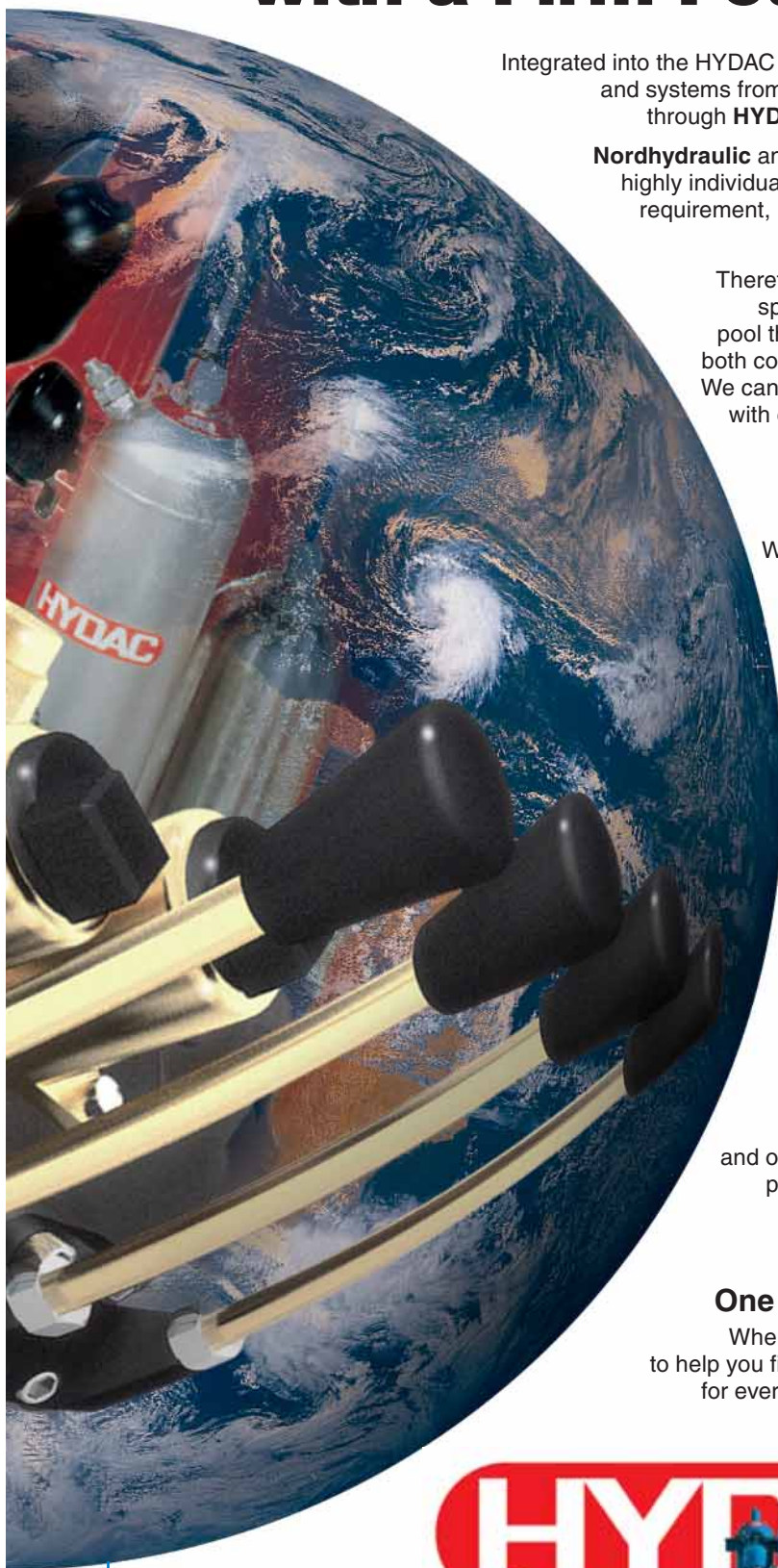
Our quality and environment certification to ISO 9001/2000 and ISO 14001 denote first class quality and responsible management of our resources.

Global yet local.

With 40 overseas subsidiaries and over 500 distributors and service partners, **HYDAC** is your reliable partner worldwide.

System solutions. One supplier. One contact.

Wherever you need us, we are there to help you find the most effective solution – for every application, from components to a complete system.





Nordhydraulic Kramfors SE

Global Presence. Local Expertise.



HYDAC Denmark



HYDAC China



HYDAC USA



HYDAC Italy



HYDAC France



HYDAC Sulzbach/Saar, Plant 8



- Nordhydraulic Headquarters
- Nordhydraulic Facilities
- HYDAC Headquarters
- Companies
- Distributors and Service Partners



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