



Hydraulic Supply and Control Units



APPLICATIONS

Light Rail Vehicles | Metros | People Movers

KNORR-BREMSE



HYDRAULIC SUPPLY AND CONTROL UNITS



DESIGNED FOR THE DEMANDING OPERATING CONDITIONS OF MODERN PUBLIC TRANSPORT SYSTEM, Knorr-Bremse supply and control units are extremely compact, lightweight and robust. They are suited to a wide range of brake functions and vehicle types.

FEATURES

A wide range of hydraulic supply and control units cover the requirements of various vehicle and brake systems. Brake pressure control and regulation are designed for maximum dynamism and precise functioning. Both hydraulic and spring-actuated calipers are reliably operated. Further functions such as leveling control or hydropneumatic suspension can also be integrated. The compact design of the unit enables them to be easily installed under the vehicle. Particularly in low-floor vehicles they can save precious installation space.

CUSTOMER BENEFITS

- Modular design
- All sizes of equipment
- Field-tested components and proven design principles
- Option of DC or AC motor
- Minimal installation space required
- Installation configuration highly variable
- Option of brushless DC motor

HYDRAULIC SUPPLY AND CONTROL UNITS

HYDRAULIC UNITS:

HGK, HGD AND HGE

All Knorr-Bremse hydraulic units are ideally suited for supplying and controlling the parking, holding and degraded mode brake function. All hydraulic units are also available with brushless DC motor.

HYDRAULIC UNIT:

HGK

Highly compact hydraulic unit series for operation without accumulator which opens up new scope in terms of vehicle architecture.

- For pressure or spring-actuated calipers
- For graduated braking
- Direct release as standard
- Pressure range from 0 to 100 bar
- DC or three-phase AC motor
- Smallest measurement: 100 mm height
- Option of security brake
- Ideal for stopping/holding brake and parking brake functions
- Installation options: horizontal or vertical

HYDRAULIC UNIT:

HGD

Compact hydraulic units for operation with accumulator

- For pressure or spring-actuated calipers
- With brake pressure regulation
- Pressure range from 0 to 100 bar
- DC or three-phase AC motor
- Smallest measurement: 100 mm height
- Option of security brake
- Ideal for stopping / holding brake function and brakes with wheel slide protection for small and medium volume requirements
- Installation options: horizontal or vertical

HYDRAULIC UNIT:

HGE

Hydraulic unit series for operation with accumulator which is ideally suited to cover applications with higher volume requirements.

- For pressure or spring-actuated calipers
- With brake pressure regulation
- Pressure range from 0 to 100 bar
- DC or three-phase AC motor
- Smallest measurement: 145 mm height
- Ideal for stopping / holding brakes and brakes with wheel slide protection
- Option of security brake and additional functions
- Installation options: horizontal or vertical

HYDRAULIC UNITS:

HLE AND EDHL

HLE and EDHL series units allow the generation and monitoring of the release pressure in the auxiliary release circuit. The units can be integrated into the vehicle safety concept.

HYDRAULIC UNIT:

HLE

Auxiliary release unit with manual operation

- Manual activation of release pressure
- Manometer for pressure display
- Removable activation lever

HYDRAULIC UNIT:

EDHL

Electrical auxiliary release unit

- Electrical activation of release pressure
- Pressure monitoring
- Can be installed decentrally on bogie or car body
- Small, compact design
- Various installation options

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