

## Systems and power units

### Standard power units ABSKG

- Tank capacity 20, 40, 60 liters



### Standard power units ABMAG

- Tank size 100 to 800 liters
- Max. nominal pressure 280 bar
- Max. flow 200 l/min



### Silent power units

- Tank size 100 to 1000 liters
- Horizontal and vertical design



### Hydraulic drive power units Häggblunds PEC

- Tank size 100 to 1200 liters
- Max. operating pressure 350 bar
- Max. flow 2514 l/min



### Compact power unit

- 6 different versions
- Up to 300 bar
- Up to 51,7 l/min

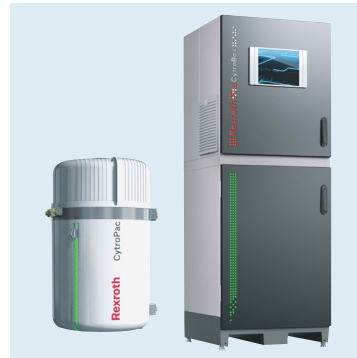


### Cytropac – Small power units

- Tank size 20 liters
- Max. Operating pressure 350 bar
- Power 1.5 ... 4kW

### Cytrobox – Medium power unit

- Tank size : 150 liters
- Operating pressure: 150 – 350 bar
- Power : 7.5 – 30 kW
- Noise enhancement: <70 dB (A)
- Intelligence on-board
- lot-ready



### Motor/pump assemblies

- With axial piston pump (A10/A4), vane pump (PV7) and internal gear pump (PGF3, PGH).



## Service



### Spare parts

- Easy and fast identification of needed parts in our online Spare Parts Catalog
- Efficient and reliable maintenance through fast and reliable supply of spare parts World-wide
- Lower risks and operating costs, through use of genuine Rexroth spare parts
- Down-time minimized through customer spare part management agreements



### Repairs

- Full performance restored cost-effectively
- Professional repairment with original manufacturer parts
- Standardized Rexroth repair service worldwide
- 24/7 service



### Preventive and Predictive service

Detecting wear before it leads to failure

- Fluid Management
- Fitness Check
- Oil Analysis
- Rental Equipment
- Service Agreements
- Predictive maintenance with ODin - Online Diagnostic Network



### Field service

- Commissioning
- Application support
- Troubleshooting
- Regular diagnostics and maintenance



## Industrial Hydraulics



### Marine & Offshore



### Rubber



### Civil Engineering



### Bulk Materials Handling



### Metallurgy



### Mining



### Oil and Gas



### Cement



### Machine Tools Forming and Presses



### Sugar Industry



### Energy technology

**Bosch Rexroth Thailand**  
7/426 M.6 Amata City Industrial Estate Rayong Mabyangporn,  
Pluak Daeng District, Rayong 21140, Thailand  
Tel.: +66(38)958-937  
Email: [RexrothCenter@th.bosch.com](mailto:RexrothCenter@th.bosch.com)  
[www.boschrexroth.com/en/th/](http://www.boschrexroth.com/en/th/)



# Hydraulic pumps and motors

## Axial piston pumps



- Fixed and variable piston pumps
- Size 5...1000
- Nominal pressure up to 400 bar
- Maximum pressure up to 450 bar

## External gear pumps



- Fixed displacement pumps
- Size 1.0 ... 100
- Nominal pressure up to 280 bar
- SILENCE versions available

## Internal gear pumps



- Fixed displacement pumps
- Size 1.7 ... 250
- Nominal pressure up to 350 bar

## Gerotor pumps



- Low pressure pump
- Fixed displacement
- Maximum displacement 140cm³
- Maximum pressure up to 15 bar

## Vane pumps



- Fixed and variable displacement
- Size 14...193
- Maximum pressure up to 210 bar

## Radial piston pumps



- Fixed and variable piston pumps
- Size 0.4 ... 20
- Maximum pressure up to 700 bar

## Axial piston motors



- Fixed and variable displacement
- Size 5...1000
- Nominal pressure up to 400 bar
- Maximum pressure up to 450 bar

## External gear motors



- Fixed displacement
- Size 2.5 ... 45
- Maximum pressure up to 250 bar

## Radial piston motors



- Size 500...380000
- Maximum pressure up to 350 bar
- Specific torque up to 6000 Nm/bar

# On/off and proportional servo valves

## Isolator valves



- Check, shut-off and prefill valves
- Pressure up to 350 bar
- Size 6 ... 52 (prefill valves ...500)

## Directional valves



- Poppet and spool valves
- Direct or pilot operated
- Pressure up to 630 bar
- Size 1 ... 32

## Pressure valves



- Pressure relief, reducing, shut-off and sequence valves
- Pressure up to 630 bar
- Size 2 ... 40

## Flow control valves

- Twin throttle, throttle and fine throttle valves
- 2- and 3-way flow control valves
- Mechanical, hydraulic or electro-hydraulic actuation
- Size 6 ... 32
- Pressure up to 350 bar



## 2-way cartridge valves

- Logic elements
- pressure function
- directional function (active and passive)
- Size 16 ... 160
- Pressure up to 420 bar

Most Rexroth valves are available as sandwich mounted and as block installation valves

## Proportional directional valves



- Direct or pilot operated
- With/ without electrical position feedback
- Integrated or external electronics
- Size 6 ... 52
- Pressure up to 350 bar

## Proportional pressure control valves



- Pressure relief valve
- Pressure reducing valve
- Direct or pilot operated
- Size 6 ... 32
- Pressure up to 500 bar

## Proportional flow control valves



- Proportional throttle valve
- Proportional flow control valve
- With or without integrated electronics
- Size 6 ... 63
- Pressure up to 315 bar

## Directional control valves



- Direct or pilot operated
- Electrical position feedback
- Used in electrohydraulic controllers
- Size 6 ... 160
- Pressure up to 420 bar

## Directional servo valves



- Valve for position, force, pressure or velocity control
- High dynamics
- Internal or external electronics
- Size 6 ... 32
- Pressure up to 315 bar

# Filters

## Filters

- Ventilation filter
- Tank mounted filters
- Return line filters
- Inline filters
- Duplex filters
- Block mounting filters
- Suction filters
- Replacement cartridge filters
- Sieve basket filters
- Filter systems
- Filter elements
- Filter accessories

## Inline filter

- Size 45 ... 7500
- Pressure up to 450 bar

## Return line filter

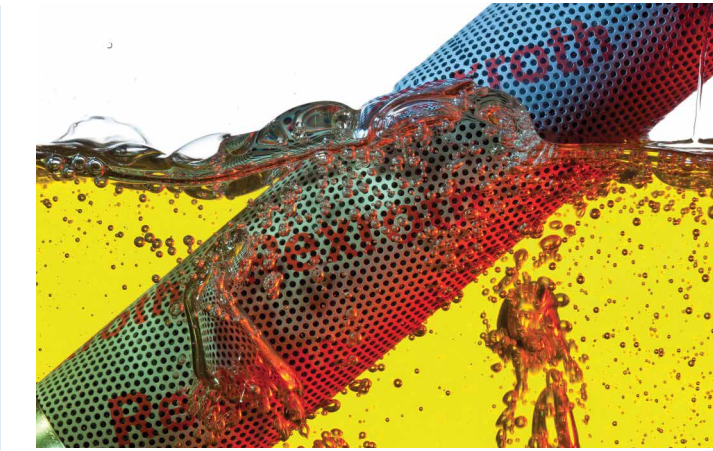
- Size 40 ... 2500
- Maximum pressure 10 bar

## Duplex filter

- Size 15 ... 7500
- Pressure up to 400 bar

## Filter elements

- Size 3 ... 1000



## VacuClean® Oil treatment system

- Multi stage filtration
- Removes
- dirt
- oil aging products
- gases
- free and dissolved water

## Fit4Filter smartphone app simplifies ordering Bosch Rexroth filters

- Cross reference hydraulic filter elements
- Sync-on-demand feature
- Search by part number or model code

## Fit4Filter is available in the Apple App Store and the Google Play™ Store



## iOS version



## Android version



# Cylinders

## Hydraulic cylinders by Bosch Rexroth

- Mill type cylinders and tie rod cylinders
- Available as single rod or with double rod
- Large hydraulic cylinders
- Cylinder accessories
- Cylinder spare parts



## Mill type cylinders

- Piston Ø up to 320 mm
- Nominal pressure up to 350 bar
- Stroke up to 6 m
- Position measurement system available



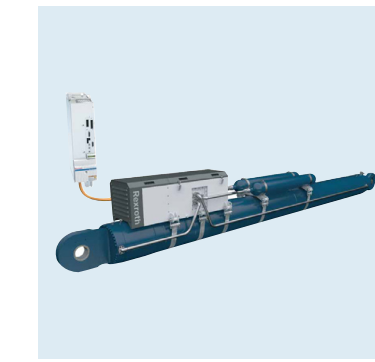
## Tie rod cylinders

- Piston Ø up to 200 mm
- Nominal pressure up to 210 bar
- Stroke up to 3 m
- Position measurement system available



## Plugged cylinders

- Stroke up to 24m
- Force push & pull up to 2600 kN
- Integrated power box up to 90 kW
- Integrated measuring devices
- I4.0 capability
- No HPU, no hoses
- Plug and play



## Cylinder accessories

- Plain clevises
- Swivel heads
- Fork clevises
- Fork bearing blocks
- Eye bearing blocks
- Trunnion bearing blocks



## Large hydraulic cylinders

- Piston rod material
- Carbon steel or stainless steel

- Bore Ø up to 1,500 mm
- Stroke up to 24 m

- Surface technologies
- Nickel / Chromium
- Ceramax (Plasma)
- Enduroq 2000 / 2200 (HVOF)
- Enduroq 1 / 3 (Laser Cladding)

- Civil Engineering
- Offshore applications
- Marine
- Bulk material handling
- Metallurgy
- Pressing and forming

