Axial and radial piston pumps, valves, pressure switches, oil level switches and valve manifolds all from part of the standard Bieri product range.

The extensive Bieri product range includes hydraulic components for the most varied of requirements and applications. All, of course, featuring Bieri's well known, reliable «Made in Switzerland» quality.

Bieri Hydraulik standard components from 500 up to 1000 bar

High pressure hydraulic systems for various applications

Including the new 500+ serie

www.bierihydraulics.com
Pumps

high pressure pumps from 500 up to 1000 bar

Axial piston pumps AKP
Suction and pressure side valve controlled
High volumetric efficiency
Compact design
Operating pressure up to 500 bar
Displacement 0.10 bis 0.36 cm³/rev
Speed range 100 bis 5000 min⁻¹

Radial piston pumps BRK
3-, 5- and 7-pistons
Self priming, self venting
Valve controlled
High volumetric efficiency
Operating pressure 500 up to 1000 bar
Displacement 0.24 up to 8.14 cm³/rev
Speed range 500 up to 2000 min⁻¹

Radial piston pumps HRK
Compact design
Direct installation of motor, no coupling, no bell-housing
Version with hollow shaft
with or without pressure relief valve.
Operating pressure up to 700 bar
Displacement 0.12 up to 4.52 cm³/rev.
Speed range 500 up to 3600 min⁻¹

Radial piston pumps SRK-ATEX
3-, 5- and 7-piston versions
Self-priming and venting
Suitable for use in explosive environments
Class II: gases, vapours, mists
Operating pressure up to 700 bar
Displacement 0.47 up to 6.33 cm³/rev.
Speed range max. 1800 min⁻¹
Pumps

**Combination pumps BKP**
Combination of BRK pump and gear pump
Outstanding energy efficiency ratio
Fixed displacement, any installation position possible

- Operating pressure LP up to 250 bar, operating pressure HP up to 1000 bar
- Displacement LP 4.0 up to 61.1 cm$^3$/rev.
- Displacement HP 0.47 up to 8.14 cm$^3$/rev.
- Speed range max. 2000 min$^{-1}$

**Combination pumps SKP**
2- and 3-piston high-pressure pumps. Suction and pressure side valve controlled. Integrated low-pressure shut-off valve and high-pressure relief valve. Design with hollow shaft.

- Operating pressure LP 100 bar, operating pressure HP up to 700 bar
- Displacement LP 4.45 up to 16.71 cm$^3$/r.
- Displacement HP 0.45 up to 2.71 cm$^3$/r.
- Speed range 500 up to 2000 min$^{-1}$

**Combination pumps KKP**
Compact and lightweight. Integrated low-pressure shut-off valve and pressure relief valve. Self-venting.
Design with hollow shaft.

- Operating pressure LP 160 bar, operating pressure HP up to 700 bar
- Displacement LP 0.35 bis 5.43 cm$^3$/rev.
- Displacement HP 0.12 bis 2.71 cm$^3$/rev.
- Speed range 500 up to 3600 min$^{-1}$

**Multi outlet pumps MRK**
Various outlet pumps available on request.

- Number of outlets 2 – 9
- Operating pressure up to 1000 bar
- Displacement/outlet 0.08 up to 7.20 cm$^3$/rev.
- Speed range max. 2000 min$^{-1}$
Valves 700 bar

**Seated valves 2/2-, 3/2-, 3/3-, 4/2-way NG 4**
- Seated valve WVH700
  - Solenoid or manually operated pneumatic or hydraulic operated

**Seated valves 2/2-, 3/2-, 3/3-, 4/2- and 4/3-way NG 6**
- Seated valve WV700
  - Solenoid or manually operated pneumatic or hydraulic operated

**Pressure valves NG 6**
As screw-in cartridges or sandwich valves
- Excellent pressure adjustment over the entire operating range
- Pressure relief valves DV700
- Unloading valves DA700
- Pressure reducing valves DM700
- Proportional pressure relief valves PDV700

**Flow control valves NG 6**
- Load holding and lowering valves SBV700
- Throttle valves / Throttle check valves SD700 / SDRV700

**Non-return valves NG 6**
- Shut-off valves AV700
- Check valves ERV700

**Accessories NG 6**
- Sub-plates and connection plates AP700 / RP700
  - Compact circuit design with up to 6 control circuits
Valves 500 bar

**Seated valves 2/2-, 3/2-, 3/3--, 4/2- und 4/3-way NG 4**
- Seated valve WVM, 500 bar
- Controls:
  - solenoid
  - manual crosswise or lengthwise
  - pneumatic
  - hydraulic
  - pin

**Pressure valves NG 4**
- Pressure relief valves DVM
- Unloading valves DAM
- Pressure reducing valves DMM

**Flow control valves NG 4**
- Throttle valves SDM
- Throttle check valves SDRVM

**Non-return valves NG 4**
- Shut-off valves AVM
- Check valves ERVM
- Pilot operated check valves RVM

**Accessories NG 4**
- For in-line mounting or valve bank assembly
- Sub-plates and end plates APH und EAP with accessories
Valves
For in-line mounting up to 700 and up to 1000 bar

Pressure relief valves DV2
Up to 12 l/min
Poppet design
Direct operated
Max. pressure adjustable with lock nut

Manual shut-off-valves SPV2
Up to 32 l/min
Poppet design
Leakage free
Low operating force
Inlet and outlet designed for max. pressure

Manual shear valves HSV700
Up to 25 l/min
3/2, 3/3- and 4/3-way valves
For in-line mounting or plate arrangement NG6,
DIN 24340
Robust design
Weight optimised
Accessories

**Pressure switches, Oil level switches**

**Pressure switches with one switching point**
- Protection class IP 64
- Switching hysteresis of scale end value 5–10%
- No supply voltage required

- With pressure adjusting scale
- 7 Pressure ranges (60–1000 bar)
- Minimal dimensions
- Can be turned through 360° at full pressure

**Pressure switches with two switching points**
- Protection class IP 54
- Switching hysteresis of scale end value 2–10%
- No supply voltage required

- 7 Pressure ranges (60–1000 bar)
- Suitable for panel mounting
- Indication of actual pressure and pressure settings

**Oil level switches**
- Minimal dimensions
- Length up to 1200 mm

- Various types available with 1 or 2 level contacts
- and additional temperature switch
- Temperature contact up to 90°C

As we are constantly improving our products, Bieri reserves the right to make changes to the technical specification without prior notice.
BIERI Hydraulik AG specialises in high-pressure hydraulic components ranging from 500 up to 1000 bar.

The comprehensive BIERI product range includes a wide variety of piston pumps, all kinds of valves, as well as pressure switches and oil level switches. Appropriate accessories, such as connection and multi-station plates, complete the range.

Our products are used in a wide spectrum of industries, such as oil and gas extraction, medical technology, rescue technology, the machine tool industry and test bench and measuring technology, clearly demonstrating a guaranteed high level of quality.

With many years of experience combined with Swiss precision, we can guarantee you innovative solutions at the highest level.

Further information about our products and company can be found at www.bierihydraulics.com