

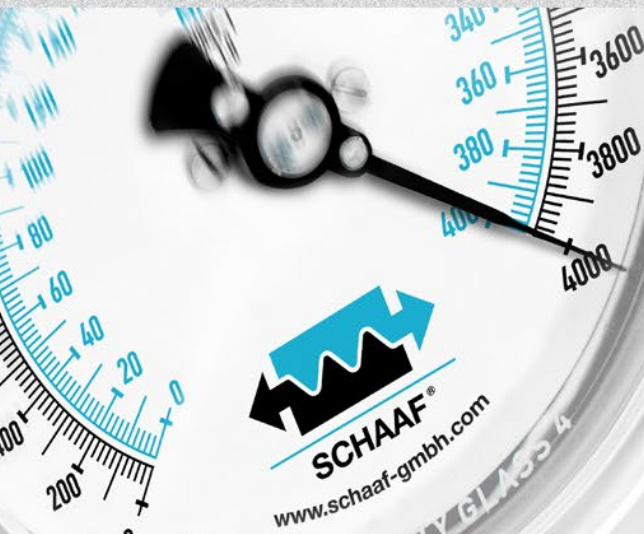
Leading joining technology



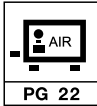
HDL 1000-4000

Air-Hydraulic Pump

Rugged – Efficient – Safe

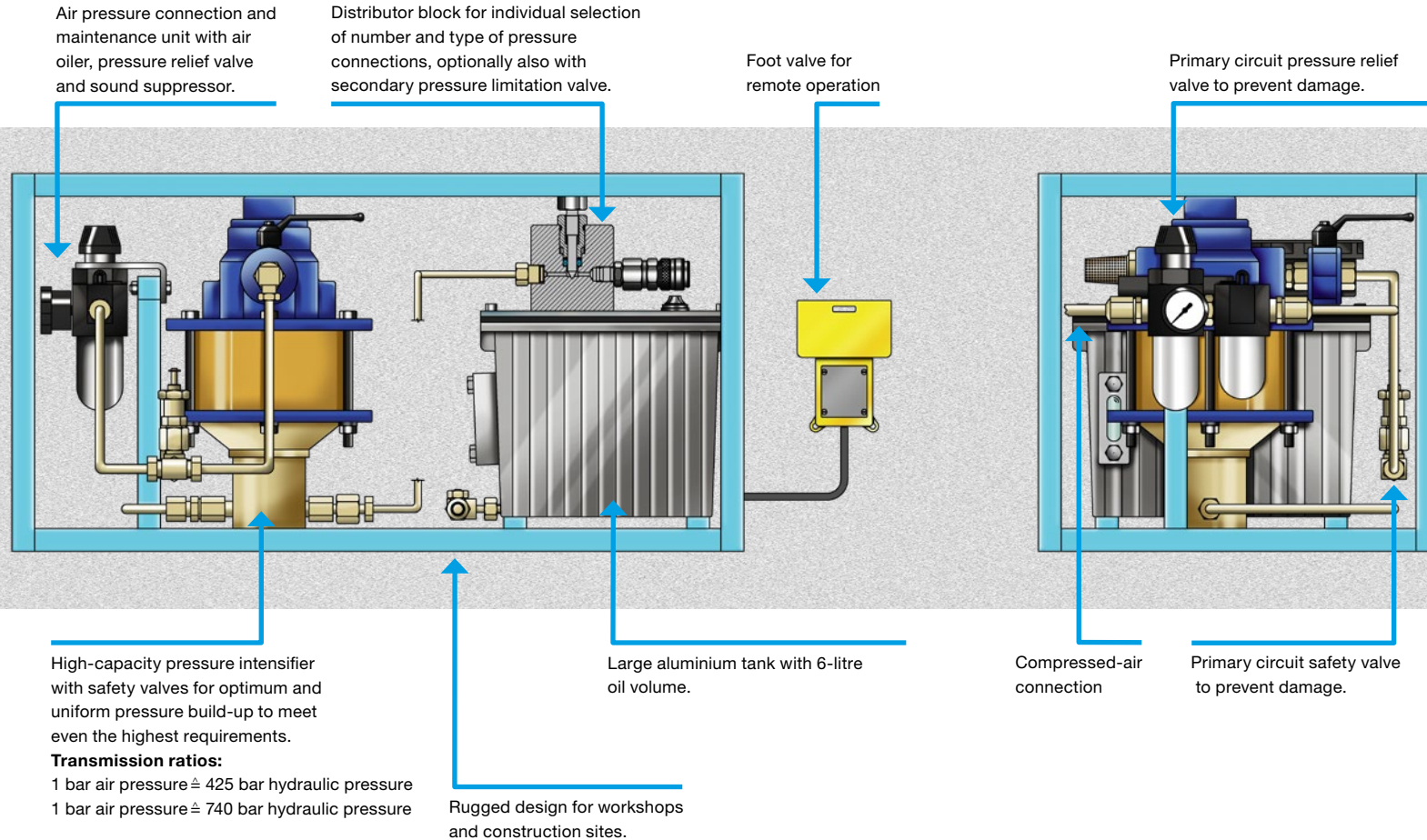


HDL Series – The Easy
Air Conversion Alternative.



HDL 1000-2500 / 1600-4000

Air-Hydraulic Pumps ready for immediate use at hydraulic pressures of 2500 to 4000 bar.



Type code and additional information under www.schaaf-gmbh.com

Areas of Application

The SCHAAF HDL Series is ideally suited for:

- The use of bolt tensioners, hydraulic nuts, ExpaTen Bolts and EcoRolls
- Tightening and loosening of oil press fits (e.g., gearwheels, flywheels, coupling hubs, roller bearings, hydraulic couplings and overload protection devices)

Advantages

The SCHAAF **HDL Series** is a high-capacity, compact air-hydraulic high-pressure unit, specially designed for industrial use.

- Low air pressure for extreme working pressures
1 bar air pressure \pm 425 bar hydraulic pressure
1 bar air pressure \pm 740 bar hydraulic pressure
- Rugged, compact and durable design
- Small dimensions
- Low weight
- Immediately ready for use, fully assembled and oil filled
- All components sealed leakproof
- No pressure loss even at 4000 bar
- Manufactured in high-quality materials
- Hardened, replaceable valve seats
- Pressure relief valve with internal tank return line
- Permanently installed in mobile housing
- Low-maintenance operation
- Distributor block for up to four connections

- Any special version possible

Complete solution from SCHAAF

The accessories for the **HDL Series** such as hydraulic hoses, connection couplings, as well as the hydraulic high-pressure tools such as bolt tensioners and hydraulic nuts are aligned to the functions = 100 % system solution.

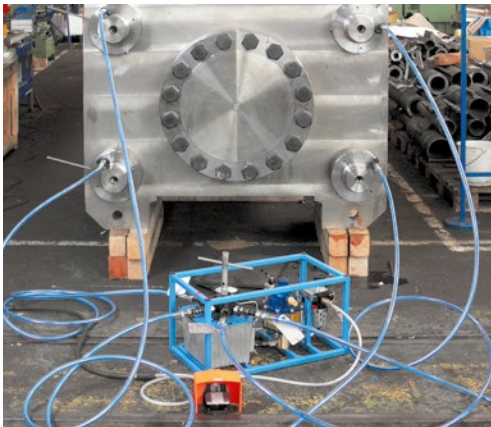
Quality Assurance

All **HDL 1000-4000** are checked for material quality, dimensional accuracy, correct functioning and load-resistance. During order execution, they are subject to continuous quality assurance measures and are supplied together with detailed technical documentation.

Services

HDL 1000-4000 are, of course, oil filled and ready for immediate use.

SCHAAF **HDL 1000-4000** are user-friendly, reliable, and manufactured in accordance with the highest level of technical know-how. Our highly-motivated staff would be pleased to train your personnel, in situ or at our works, in the general handling and operation of high-pressure equipment.



SCHAAF Accessories and additional product groups

- High-pressure hydraulic hoses
- Couplings, nipples, adapters and distributor blocks for pressures up to 4,000 bar
- Bolt Tensioners (SSV)
- TTG Nuts and Bolts
- ShrinkNut
- Hydraulic Nuts (HM)
- GripLoc, GripLoc - MSN
- ExpaTen Bolts, ExpaHub, ExpaTen QL

Certificates and Acceptance Tests

- Specific test reports
- Certificates as per special customer requirements

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