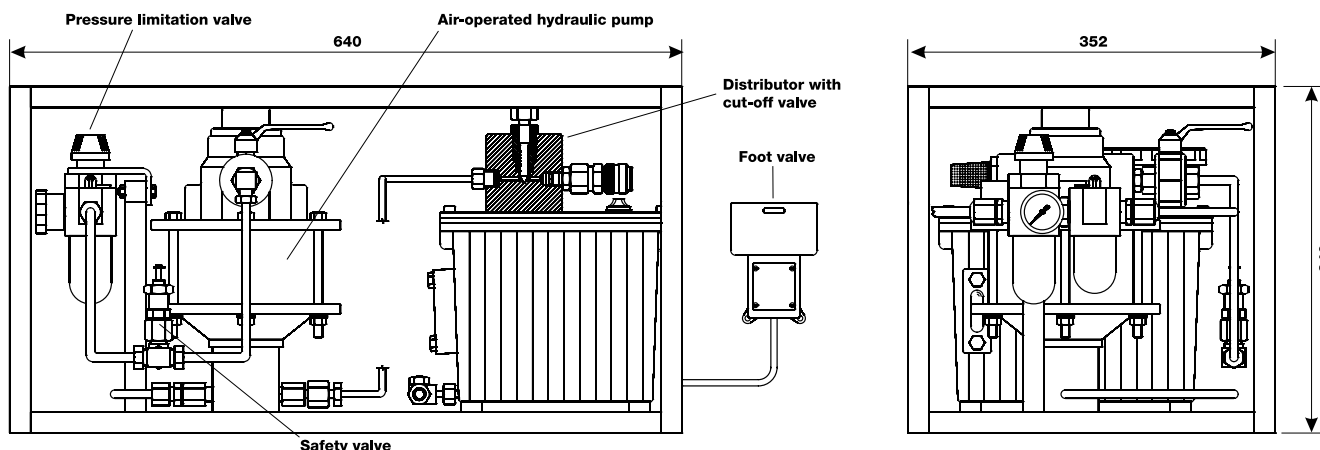


# Air-Hydraulic Pump **HDL 1000-2500** (PG 22 A0550, Version 01/2021)



## Technical data (further versions on request)

|  | Standard   |          |          | Special version  |
|--|--|----------|----------|--|
| Max. hydraulic pressure:               | 2500 bar   | 1600 bar | 1000 bar |  |
| Safety valve on the air pressure side: | Factory set approx. to max. hydraulic pressure   |          |          | Pressure limitation valve positioned outside on the hydraulic side adjustable from 0 to 2500 bar                       |
|  | 2500 bar   | 1600 bar | 1000 bar |  |
| Pressure intensifier:                  | Pressure ratio from 1 bar air pressure to 425 bar hydraulic pressure   |          |          |  |
| Maintenance unit:                      | Adjustable pressure reducer and oil injector for working with oiled compressed air   |          |          |  |
| Pressure connection:                   | According to type key  |          |          | Pressure connections of various versions   |
| Pressure gauge:                        | Ø 100, Class 1.0, filled with glycerine  |          |          | Additional manometers in various accuracy classes and calibres   |
|  | 2500 bar   | 1600 bar | 1000 bar |  |
| Air cut-off valve:                     | Hand and/ or foot operated   |          |          |  |
| Tank:                                  | Aluminium tank with 6 litre useable volume and externally visible oil level gauge  |          |          | Aluminium tank with 11 or 15 litre useable volume  |
| Hydraulic oil:                         | HLP ISO VG 15  |          |          | If required by customer  |
| Set-up:                                | Maintenance-friendly arrangement of the individual components, steel tube frame, sound suppressor on the air pressure side |          |          | Mounted on assembly dolly, furnished with trailer ring, mobile   |
| Weight (filled with oil):              | approx. 33 kg  |          |          |  |
| Length:                                | 640 mm   |          |          |  |
| Width:                                 | 352 mm   |          |          |  |
| Height:                                | 340 mm   |          |          |  |
| Packaging:                             | Pallet   |          |          | · Transport box, simple wood<br>· Assembly box with hinged and swivel lock<br>· Version according to customer's wishes |

## Other products manufactured by SCHAAF

- Bolt tensioners
- Hydraulic nuts
- High-pressure hydraulic hoses
- Couplings, nipples, adapters, distributors up to 4000 bar
- ExpaTen, EcoRolls and many more

## Complete solution from SCHAAF

The high-pressure hydraulic generators, connection couplings and adapters are all aligned to function with SCHAAF high-pressure hydraulic tools and high-pressure hydraulic hoses = 100 % system solution.



|          |          |          |          |          |          |          |          |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----------|----------|----------|----------|----------|----------|----------|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| <b>0</b> | <b>2</b> | <b>2</b> | <b>A</b> | <b>0</b> | <b>5</b> | <b>5</b> | <b>0</b> |   |   |    | /  |    |    | X  | /  |    |    | /  |    | /  |    |    | /  |    |    |    |    |    |    |    |    |
| 0        | 1        | 2        | 3        | 4        | 5        | 6        | 7        | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |

| Max. pump pressure | Pump den. |
|--------------------|-----------|
| 2500 bar           | A-0550250 |
| 1600 bar           | A-0550160 |
| 1000 bar           | A-0550100 |

|  |             |
|--|-------------|
| <b>Precision pressure - limitation valve , a.d. A1935</b>  | <b>Den.</b> |
| External / possible adjustment 50 bar - max. pump pressure | DB          |

|           | Distributor block               | Den. |
|-----------|---------------------------------|------|
| 2,500 bar | 1 connector G 1/4" BSP 120° IG  | 05   |
|           | 2 connectors G 1/4" BSP 120° IG | 06   |
|           | 3 connectors G 1/4" BSP 120° IG | 07   |
|           | 4 connectors G 1/4" BSP 120° IG | 08   |
| 1,600 bar | 1 connector G 1/4" IG           | 01   |
|           | 2 connectors G 1/4" IG          | 02   |
|           | 3 connectors G 1/4" IG          | 03   |
|           | 4 connectors G 1/4" IG          | 04   |
|           | Supply / return distributor     | VR   |

|                      | Pressure connection                          | Den.     |
|----------------------|--|----------|
| 2500 bar             | Coupling Socket<br>SVK30-G¼" BSP 120° AG     | S2 / pc. |
| 2500 bar             | Coupling Socket<br>CVK25-G¼" BSP 120° AG     | C2 / pc. |
| 1600 bar<br>1000 bar | Coupling Socket<br>CVK16-G¼" AG              | C6 / pc. |
| 1600 bar<br>1000 bar | Adapter KA G¼" AG / M14 x 1,5<br>AG / 60° DK | KA / pc. |

|   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 0 | 2 | 2 | A | 0 | 5 | 5 | 0 | 1 | 6 | 0  | /  | 0  | 4  | X  | /  | C  | 6  | /  | 2  | /  | K  | A  | /  | 2  | D  | B  |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 |

External pressure-limitation valve

[illegible]

|                      |                      |                     |                              |                             |
|----------------------|----------------------|---------------------|------------------------------|-----------------------------|
| IG = Internal thread | AG = External thread | DK = Conical nipple | n. Z. = according to drawing | BSP = British Standard Pipe |
|----------------------|----------------------|---------------------|------------------------------|-----------------------------|

