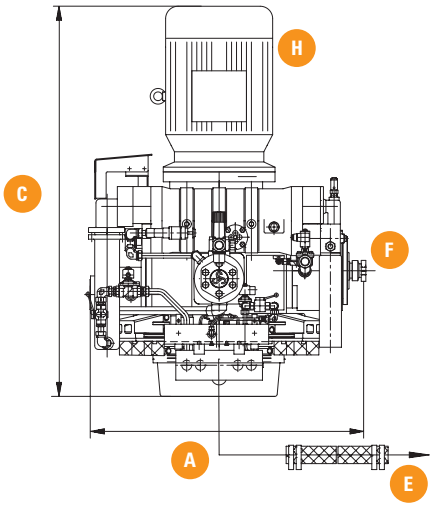
# //// 5000 series WP 5500 & 5000 BasBooster$^{B}$ incl. $N_2$-Pack

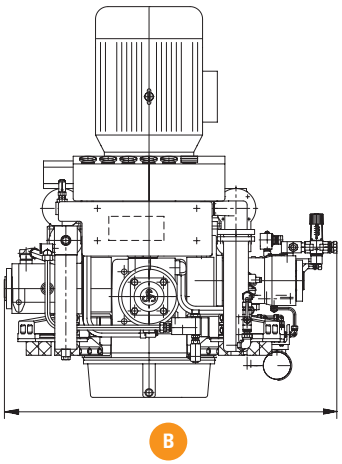
4-stage, water-cooled, direct drive

Media: Air & Nitrogen

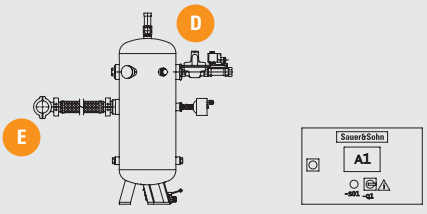
- Flexible suction regulation between 4–10 bar (g)
- Crankcase ventilation back to 1st stage
- Simultaneous supervision of feed pressure, suction pressure and discharge pressure for safe operation
- Vertical design – full balancing of free inertial forces, lowest vibration
- Replaceable cooler inserts in floating design
- Very low piston speed
- Dry liners – no sealing between oil-, water- and airspaces
- Max water inlet temperature of 40 °C
- Complete compressor check at final pressure including 3.1 inspection certificate
- Long operating life with guaranteed availability (minimum 25 years) of replacement parts ex stock
- Trouble-free operation, even under the most extreme conditions (55 °C ambient temperature)

- Sauer offers the very latest compressors, control systems, compressed-air treatment systems and accessories
- Optimum customer services – starting with the initial enquiry and extending over the entire life of the product
- Customized solutions produced in accordance with customers' specifications
- Customer-specific documentation and calculation
- Individual, customer-oriented service plans




## $N_2$-Pack




| 5000 series | Dimensions (mm) | | | Gas Inlet Connection | Interface Connection | Gas Outlet Connection | Drainage Connection | Water Inlet/ Outlet Connection | Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | D | E | F | G | H | |
| WP 5500 BasBooster$^{B}$ | 1,055 | 820 | 1,230 | G 1,5" | ISO 2861 KF 50 | 12 x 2.5 bite-type | 60 mm ∅ | DN 25 | 980 |
| WP 5000 BasBooster$^{B}$ | 1,130 | 1,345 | 1,650 | G 2" | ISO 2861 KF 50 | 20 x 2.5 bite-type | 60 mm ∅ | 28 x 1.5 bite-type | 1,900 |

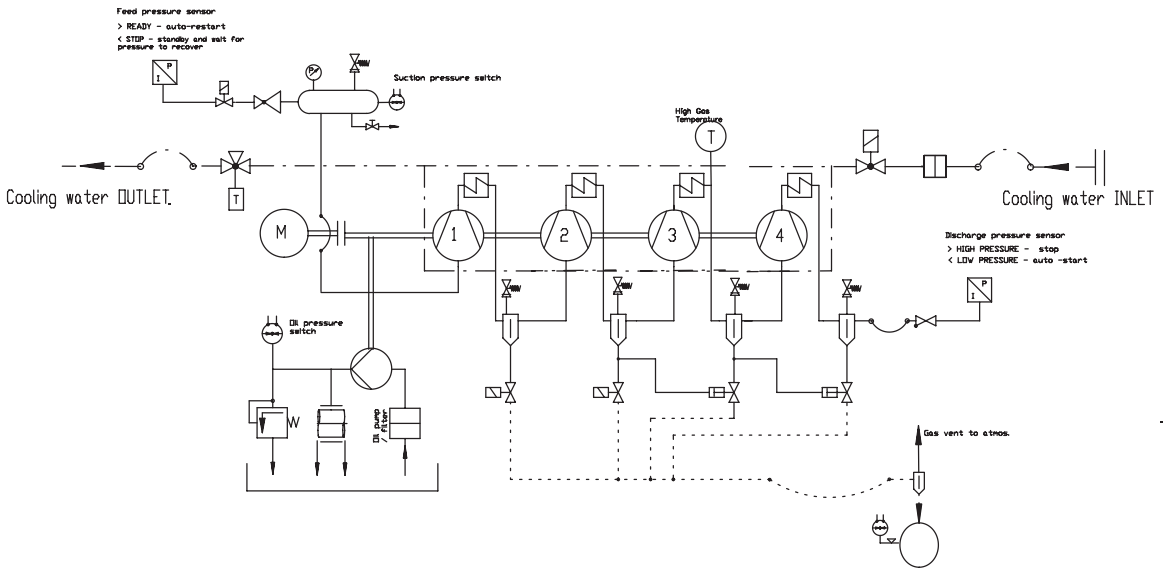
## PERFORMANCE DATA

| MODEL | Speed [rpm] | 100 bar (g) [m³/h] | 150 bar (g) [m³/h] | 200 bar (g) [m³/h] | 250 bar (g) [m³/h] | 300 bar (g) [m³/h] | 350 bar (g) [m³/h] | Rated Power [kW] | Sound Pressure dB(A)@1m |
|---|---|---|---|---|---|---|---|---|---|
| **WP 5500 BasBooster$^{B}$** | 1,500 | 72.0 | 70.8 | 69.6 | 66.0 | 68.4 | 67.2 | 30.0 | 85 |
| | 1,800 | 82.9 | 81.8 | 80.6 | 80.6 | 79.5 | 77.2 | 35.0 | 87 |
| **WP 5000 BasBooster$^{B}$** | 1,500 | 144.9 | 143.8 | 143.8 | 143.8 | 136.9 | 132.3 | 55.0 | 86 |
| | 1,800 | 160.5 | 159.5 | 158.4 | 158.4 | 151.0 | 145.7 | 64.0 | 88 |

[m³/h] acc. to **ISO 1217** ref 1,013 bar.a and 20 °C; [dB(A)] acc. to **DIN 45635**; **Suction Pressure:** 4–10 bar (g)

## STANDARD ACCESSORIES

| | WP 5500 BasBooster$^{B}$ | WP 5000 BasBooster$^{B}$ |
|---|---|---|
| Gas intake connection | ✔ | ✔ |
| Gas pressure gauge @ each stage | ✔ | ✔ |
| Oil/water (condensate) separator @ 2nd and 3rd stage | ✔ | ✔ |
| Safety valve @ each stage | ✔ | ✔ |
| Auto-Unload/drain system (E-motor drive only) | ✔ | ✔ |
| Oil pressure 'low' alarm/trip & gauge | ✔ | ✔ |
| Gas temperature 'high' alarm/trip | ✔ | ✔ |
| Auto Stop/Start pressure sensor (mounted) | ✔ | ✔ |
| Electric Motor IE 3 (IP55 protection + Class F 'B' temp. rise) | ✔ | ✔ |
| Power supply 380–415V/50 Hz/3ph or 440–480V/60 Hz/3ph | ✔ | ✔ |
| Resilient AV mounts | ✔ | ✔ |
| Color Munsell 7.5 BG 7/2 – Sauer light green-blue | ✔ | ✔ |
| First Oil Fill | ✔ | ✔ |
| **$N_2$-Pack** | | |
| Sauer Electronic Compressor Control "ECC" | ✔ | ✔ |
| Suction gas Buffer Tank inc. Safety Valve (Stand-Alone-Version) | ✔ | ✔ |
| Pressure Reducing Valve (NB < 10 bar) (mounted) | ✔ | ✔ |
| Shut-off solenoid Valve (mounted) | ✔ | ✔ |
| Auto Start/Stop feed gas via pressure switch/sensor (loose) | ✔ | ✔ |




**Dependable up to 500 bar – anywhere, anytime.**


**J.P. Sauer & Sohn Maschinenbau GmbH**

PHONE + 49 431 3940-0 E-MAIL info@sauercompressors.de

FAX + 49 431 3940-24 WEB www.sauercompressors.com



01/2016 [suw] • Specifications subject to change without notice.