



## AIR DRIVEN PUMP FOR LIQUID

S series air driven liquid pumps are high pressure reciprocating plunger pumps of single acting, single air drive head model. They are compact and lightweight for simple installation in both static and portable applications. Air drive pressure from 1bar(14 .5 psi) to 8bar(116 psi) maximum. Operating pressure up to 1, 920 bar(27, 840 psi).

**Key features**

- One model available in 9 ratios
- Compatibility with a variety of liquids
- No electricity required and explosion proof
- Aluminum bodies and wetted materials of carbon steel or stainless steel
- High quality seals, long service life available
- Rustproof and beautiful generous in blue colors with oxidation treatment applying to the aluminum components
- Easy to install in both static and portable applications. Reliable operation and maintenance
- Wide range of pressure ratios meeting with different requirements
- All S pumps come standard with side inlet



AH series of air driver liquid booster widely used in various industrial fields of equipment. Parts of the domestic to greatly reduce the cost of production,so the cost of repair is reduced.The series is the first choice for supporting the industrial products and all kinds of pressure test.

**The driving piston diameter of this series is 160mm.  
The inlet size of driving gas is G1/2".**

| Model | Booster Pressure Ratio | Liquid inlet and outlet size |        | L     | W     | H     |
|-------|------------------------|------------------------------|--------|-------|-------|-------|
|       |                        | Inlet                        | Outlet |       |       |       |
| AH    | 16:1 ~ 40:1            | PT1/2"                       | PT1/2" | 342mm | 172mm | 240mm |
| AH    | 64:1 ~ 130:1           | PT3/8"                       | PT3/8" | 342mm | 172mm | 240mm |
| AH    | 170:1 ~ 400:1          | PT3/8"                       | PT3/8" | 300mm | 172mm | 240mm |

| Model | Booster Pressure Ratio | Maximum Outlet Pressure (Bar) | Output hydraulic pressure (Bar)      1Mpa=10Bar≈10kg/cm <sup>2</sup> |      |      |      |        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-------|------------------------|-------------------------------|--|------|------|------|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|       |                        |                               | 0  | 20   | 40   | 70   | 100    | 150  | 200  | 300  | 400  | 450  | 500  | 550  | 600  | 700  | 900  | 1200 | 1700 | 2350 | 2850 |
|       |                        |                               | Flow Capability L/Min  |      |      |      |        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| AH16  | 16:1                   | 83                            | 24.84  | 18.5 | 9.07 | 4.21 | 2.05   | 0    |      |      |      |      |      |      |      |      |      |      |      |      |      |
| AH20  | 20:1                   | 166                           | 16.22  | 13.9 | 12.6 | 10.9 | 8.63   | 0    |      |      |      |      |      |      |      |      |      |      |      |      |      |
| AH28  | 28:1                   | 232.4                         | 12.78  | 11.9 | 8.9  | 7.1  | 6.4    | 4.4  | 0    |      |      |      |      |      |      |      |      |      |      |      |      |
| AH40  | 40:1                   | 332                           | 10.71  | 9.37 | 8.03 | 6.53 | 5.22   | 4.98 | 4.12 | 0    |      |      |      |      |      |      |      |      |      |      |      |
| AH80  | 80:1                   | 664                           | 4.44   | 3.95 | 3.26 | 3.13 | 2.82   | 2.62 | 2.32 | 2.13 | 1.63 | 1.43 | 1.23 | 1.04 | 0    |      |      |      |      |      |      |
| AH100 | 100:1                  | 830                           | 3.93   | 3.47 | 3.01 | 2.73 | 2.65   | 2.51 | 2.37 | 2.01 | 1.75 | 1.62 | 1.51 | 1.37 | 1.25 | 0    |      |      |      |      |      |
| AH130 | 130:1                  | 1079                          | 2.48   | 2.44 | 2.41 | 2.36 | 2.31   | 2.18 | 2.04 | 1.90 | 1.68 | 1.60 | 1.53 | 1.49 | 1.45 | 1.31 | 0    |      |      |      |      |
| AH170 | 170:1                  | 1411                          | 1.82   | 1.80 | 1.78 | 1.76 | 1.0.73 | 1.71 | 1.66 | 1.61 | 1.46 | 1.40 | 1.35 | 1.2  | 0.97 | 0.85 | 0.79 | 0    |      |      |      |
| AH240 | 240:1                  | 830                           | 1.57   | 1.56 | 1.54 | 1.51 | 1.48   | 1.45 | 1.43 | 1.42 | 1.37 | 1.14 | 0.92 | 0.81 | 0.76 | 0.57 | 0.34 | 0.28 | 0    |      |      |
| AH300 | 300:1                  | 1079                          | 1.23   | 1.12 | 1.05 | 0.98 | 0.81   | 0.76 | 0.64 | 0.61 | 0.58 | 0.55 | 0.52 | 0.48 | 0.45 | 0.41 | 0.37 | 0.22 | 0.18 | 0    |      |
| AH400 | 300:1                  | 1079                          | 0.96   | 0.85 | 0.63 | 0.58 | 0.52   | 0.41 | 0.3  | 0.29 | 0.28 | 0.27 | 0.26 | 0.25 | 0.24 | 0.23 | 0.21 | 0.18 | 0.1  | 0.05 | 0    |

**Remark: The maximum air driven pressure is 8.3Bar. In order to ensure the pump life, the recommended air driven pressure is 7Bar or below.**