

ALUMINIUM PUMPS

Aluminium Pumps are lightweight and easy to move about.

These aluminium constructed pumps are commonly combined with Neoprene, Nitrile or Santoprene elastomers.

With these elastomers they are ideal for pumping of water and water based fluids, non aggressive fluids, oily fluids and fluids having low acidic or alkali concentrations

Aluminium Pumps offer a relatively low cost solution to many pumping applications.

For this purpose the main industries that choose Aluminium pumps are:
Paints, Marine, Mining, Ceramic and Waste Water/Pollution management.



AIR OPERATED DIAPHRAGM PUMP

These aluminium constructed pumps are commonly combined with Neoprene, Nitrile, Santoprene, Hytel, Viton or PTFE Elastomers. With these elastomers they are ideal for pumping of water and water-based fluids, non-aggressive fluids, oily fluids and fluids having low acidic or alkali concentrations

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Diaphragm Options 'X'

Neoprene
Nitrile
Santoprene
Hytel
Viton
PTFE



Approvals and Certifications

All Teryair metal pumps are CE marked and manufactured under an ISO 9001:2015 Quality system - SGS. Teryair metal pumps explosion proof Certification (ATEX) is under application and expected Jan 2021



Versatility

This pump handles Viscous fluids, Slurries, Solid laden fluids, Shear Sensitive Fluids very well.
No Priming needed
No Foaming of fluid pumped
No Ssall damages
Portable
Submerged operation capable

Technical Data

| Nominal Size | Model Number | Maximum Discharge (litres/min) (gpm) | Suction Head Dry, mtrs (feet) | Suction Head Wet, mtrs (feet) | Pump Weight, Kgs (Lbs) | Maximum Solid Handling Dia. mm (inches) | Air Distribution system | Bolted or Clamped | Performance graphs, see page Number |
|--------------|--------------------|--------------------------------------|-------------------------------|-------------------------------|------------------------|---|-------------------------|-------------------|-------------------------------------|
| 1/4" | BDP 06 AL NBS/SHV* | 154 (8) | 3.310 (8) | 9(30) | 1.94 (2) | 0.416(4") | MaxFlo | Clamped | 15 |
| | BDP 06 AL T* | 154 (8) | 4(13) | 9.5(31) | 1.94 (2) | 0.416(4") | MaxFlo | Clamped | 16 |
| 1/2" | DP 12 AL NB | 511(14) | 1.5(5) | 9.5(31) | 4.48 (7) | 1.611(6") | Classic | Bolted | 13 |
| | DP 12 AL T | 502(13) | 2.7(9) | 9(30) | 4.48 (7) | 1.611(6") | Classic | Bolted | 14 |
| 1" | BDP 12 AL NBS/SHV* | 551(15) | 5.5(18) | 9.5(31) | 5.111 (2) | 1.611(6") | MaxFlo | Clamped | 15 |
| | BDP 12 AL T* | 511(14) | 4(13) | 9.5(31) | 5.111 (2) | 1.611(6") | MaxFlo | Clamped | 16 |
| 1-1/2" | DP 25 AL NBS/SHV | 125(33) | 5(16) | 9.5(31) | 9.1(20) | 3.2(18") | Classic | Clamped | 13 |
| | DP 25 AL T | 90(24) | 9.5(31) | 9.1(20) | 9.1(20) | 3.2(18") | Classic | Clamped | 14 |
| 2" | BDP 25 AL NBS/SHV* | 163(43) | 5.5(18) | 9(30) | 14.2(30.8) | 3.2(18") | MaxFlo | Clamped | 15 |
| | BDP 25 AL T* | 147(38) | 2.7(10) | 9(30) | 14.2(30.8) | 3.2(18") | MaxFlo | Clamped | 16 |
| 3" | DP 40 AL NBS/SHV | 283(76) | 5.5(18) | 9.5(28) | 19(33) | 4.8(318") | Classic | Clamped | 13 |
| | DP 40 AL T | 223(60) | 2.7(9) | 9.5(28) | 15.5(34) | 4.8(318") | Classic | Clamped | 14 |
| 4" | BDP 40 AL NBS/SHV* | 273(72) | 5.5(18) | 9(28) | 17(37) | 4.8(318") | MaxFlo | Clamped | 15 |
| | BDP 40 AL T | 232(61) | 3.6(12) | 9.5(28) | 17.5(38.5) | 4.8(318") | MaxFlo | Clamped | 16 |
| 5" | DP 50 AL NBS/SHV | 586(155) | 6.4(21) | 9.5(31) | 28.5(58) | 6.4(34") | Classic | Clamped | 13 |
| | DP 50 AL T | 424(112) | 3.6(12) | 9.5(31) | 29(57) | 6.4(34") | Classic | Clamped | 14 |
| 6" | BDP 50 AL NBS/SHV* | 592(156) | 6.7(22) | 9.5(28) | 29(64) | 6.4(34") | MaxFlo | Clamped | 15 |
| | BDP 50 AL T | 471(125) | 4.6(15) | 9.5(31) | 29(64) | 6.4(34") | MaxFlo | Clamped | 16 |
| 8" | DP 75 AL NBS/SHV | 834(222) | 5.5(18) | 9.5(31) | 62.5(115.5) | 9.5(38") | Classic | Clamped | 13 |
| | DP 75 AL T | 668(177) | 3.6(11.5) | 9.5(28) | 62(114) | 9.5(38") | Classic | Clamped | 14 |
| 10" | BDP 75 AL NBS/SHV* | 846(228) | 5.6(21) | 9(31) | 54(118) | 9.5(38") | MaxFlo | Clamped | 15 |
| | BDP 75 AL T | 682(182) | 4.6(15) | 9.5(31) | 54(118) | 9.5(38") | MaxFlo | Clamped | 16 |

Notes

- NBS/SHV is Model Number indicates choice of N-Neoprene, S-Nitrile, S-Santoprene, H - Hytel or Y - Viton with matching seals
- T is Model Number indicates PTFE with aluminium seals
- All above mentioned pumps have aluminium wetted parts
- PTFE models have a metal seal and PTFE sealing rings
- All above models are available with either BSP, MET or GSP Threading, see Nomenclature.
- Dimension Drawings are available, STEP files also available
- MaxFlo valves are constructed from Aluminium, Acetal and CPT sealing rings
- Classic valves are constructed from Bronze and Heat Anodized Aluminium.
- * indicates Models shipping from Jan 2021.
- All above pumps have an aluminium centre section