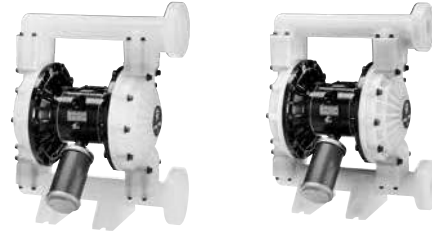


Husky 1590 Plastic Pumps Air-Operated Double Diaphragm



Technical Specifications

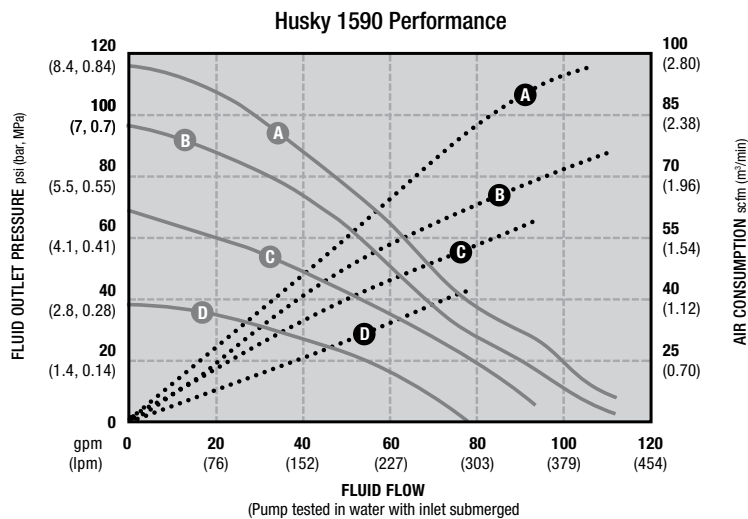
| Husky 1590 Plastic Pumps | Polypropylene | PVDF |
|---|--|--|
| Maximum fluid working pressure | 120 psi (8.4 bar, 0.84 MPa) | 120 psi (8.4 bar, 0.84 MPa) |
| Maximum free flow delivery* | 100 gpm (378.5 lpm) | 100 gpm (378.5 lpm) |
| Maximum pump speed | 200 cpm | 200 cpm |
| Displacement per cycle** | 0.5 gallon (1.96 liter) | 0.5 gallon (1.96 liter) |
| Maximum suction lift (DB2366) | 20 ft (6.1 m) dry | 20 ft (6.1 m) dry |
| Maximum size pumpable solids | 0.19 in (4.8 mm) | 0.19 in (4.8 mm) |
| Maximum operating temperature*** | 150°F (65.5°C) | 150°F (65.5°C) |
| Maximum diaphragm operating temperature*** | | |
| PTFE | 220°F (104.4°C) | 220°F (104.4°C) |
| Santoprene | 180°F (82.2°C) | 180°F (82.2°C) |
| Buna-N | 180°F (82.2°C) | 180°F (82.2°C) |
| TPE | 150°F (65.5°C) | 150°F (65.5°C) |
| Fluoroelastomer | 250°F (121.1°C) | 250°F (121.1°C) |
| Geolast | 150°F (65.5°C) | 150°F (65.5°C) |
| Typical sound level at 70 psi (4.9 bar, 0.49 MPa) air @ 125 cpm | 77 dBa | 77 dBa |
| Maximum air consumption | 125 scfm (3.5 m3/min.) | 125 scfm (3.5 m3/min.) |
| Air pressure operating range | 20 to 120 psi (1.4 to 8.4 bar, 0.14 to 0.84 MPa) | 20 to 120 psi (1.4 to 8.4 bar, 0.14 to 0.84 MPa) |
| Air inlet size | 1/2 npt(f) | 1/2 npt(f) |
| Fluid inlet & outlet size**** | 1-1/2 in (38.1 mm) ANSI-flange | 1-1/2 in (38.1 mm) ANSI-flange |
| Weight | 35 lb (16 kg) | 49 lb (22 kg) |
| Weight with stainless steel center section | 48.3 lb (21.9 kg) | 62.3 lb (28.2 kg) |
| Instruction manual | 308549 | 308549 |

* Flow rates are with muffler and do not vary based on diaphragm material

** Displacement per cycle may vary based on suction condition, discharge head, air pressure and fluid type

*** Actual pump performance may be affected by prolonged usage at temperature

Performance Charts



| AIR PRESSURE | LEGEND |
|------------------------------------|---------------------------|
| Ⓐ = at 120 psi (8.4 bar, 0.84 MPa) | Air Consumption - - |
| Ⓑ = at 100 psi (7 bar, 0.7 MPa) | Fluid Pressure - ——— - |
| Ⓒ = at 70 psi (4.8 bar, 0.48 MPa) | |
| Ⓓ = at 40 psi (2.8 bar, 0.28 MPa) | |

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Code TVA FR 45 480 876 929

Husky 1590 Metal Pumps Air-Operated Double Diaphragm



Technical Specifications

| Husky 1590 Metal Pumps | Aluminum | Stainless Steel |
|---|--|--|
| Maximum fluid working pressure | 120 psi (8.4 bar, 0.84 MPa) | 120 psi (8.4 bar, 0.84 MPa) |
| Maximum free flow delivery* | 100 gpm (378.5 lpm) | 100 gpm (378.5 lpm) |
| Maximum pump speed | 200 cpm | 200 cpm |
| Displacement per cycle** | 0.5 gallon (1.96 liter) | 0.5 gallon (1.96 liter) |
| Maximum suction lift (DB2366) | 20 ft (6.1 m) dry | 20 ft (6.1 m) dry |
| Maximum size pumpable solids | 0.19 in (4.8 mm) | 0.19 in (4.8 mm) |
| Maximum operating temperature*** | 150°F (65.5°C) | 150°F (65.5°C) |
| Maximum diaphragm operating temperature*** | | |
| PTFE | 220°F (104.4°C) | 220°F (104.4°C) |
| Santoprene | 180°F (82.2°C) | 180°F (82.2°C) |
| Buna-N | 180°F (82.2°C) | 180°F (82.2°C) |
| TPE | 150°F (65.5°C) | 150°F (65.5°C) |
| Fluoroelastomer | 250°F (121.1°C) | 250°F (121.1°C) |
| Geolast | 150°F (65.5°C) | 150°F (65.5°C) |
| Typical sound level at 70 psi (4.9 bar, 0.49 MPa) air @ 125 cpm | 77 dBa | 77 dBa |
| Maximum air consumption | 125 scfm (3.5 m3/min.) | 125 scfm (3.5 m3/min.) |
| Air pressure operating range | 20 to 120 psi (1.4 to 8.4 bar, 0.14 to 0.84 MPa) | 20 to 120 psi (1.4 to 8.4 bar, 0.14 to 0.84 MPa) |
| Air inlet size | 1/2 npt(f) | 1/2 npt(f) |
| Fluid inlet & outlet size**** | 1-1/2 npt(f) or bspt(f) | 1-1/2 npt(f) or bspt(f) |
| Weight | 33.5 lb (15.2 kg) | 86 lb (40 kg) |
| Weight with stainless steel center section | n/a | 98.8 lb (44.8 kg) |
| Instruction manual | 308441 | 308441 |

*Flow rates are with muffler and do not vary based on diaphragm material

**Displacement per cycle may vary based on suction condition, discharge head, air pressure and fluid type

*** Actual pump performance may be affected by prolonged usage at temperature

Performance Charts

