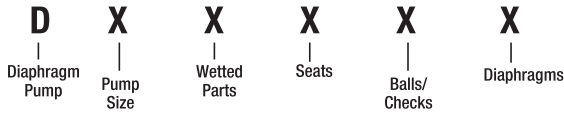


Husky 1590 Metal Pumps

Ordering Information



| PUMP SIZE (AIR MOTOR TYPE AND MATERIAL) | WETTED PARTS | SEATS | BALLS | DIAPHRAGM |
|---------------------------------------------------------------|----------------------------|---------------------|---------------------|---------------------|
| B = 1-1/2" (38.1 mm) Standard: aluminum center section | 3 = Aluminum (npt) | 3 = Stainless Steel | 1 = PTFE | 1 = PTFE |
| C = 1-1/2" (38.1 mm) Remote: aluminum center section | 4 = Stainless Steel (npt) | 4 = Hardened SST | 2 = Acetal | 5 = TPE |
| T = 1-1/2" (38.1 mm) Standard: stainless steel center section | C = Aluminum (bspt) | 5 = TPE | 4 = Hardened SST | 6 = Santoprene |
| U = 1-1/2" (38.1 mm) Remote: stainless steel center section | D = Stainless Steel (bspt) | 6 = Santoprene | 5 = TPE | 7 = Buna-N |
| | | 7 = Buna-N | 6 = Santoprene | 8 = Fluoroelastomer |
| | | 8 = Fluoroelastomer | 7 = Buna-N | G = Geolast |
| | | 9 = Polypropylene | 8 = Fluoroelastomer | |
| | | A = PVDF | G = Geolast | |
| | | G = Geolast | | |



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

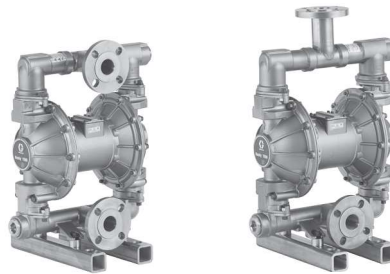
*** Actual pump performance may be affected by prolonged usage at temperature

Popular Models

| Material | Part Number (NPT Ported) | | Part Number (BSP Ported) | | Seat Material | Ball Material | Diaphragm Material | Fluid Kit | Air Kit | Air Control** |
|----------------------------------------------------------------------|--------------------------|-------------------|--------------------------|-------------------|-----------------|-----------------|--------------------|-----------|---------|---------------|
| | Standard Air Valve | Remote* Air Valve | Standard Air Valve | Remote* Air Valve | | | | | | |
| Standard Pumps with Aluminum Center Section | | | | | | | | | | |
| Aluminum | DB3311 | DC3311 | DBC311 | DCC311 | Stainless Steel | PTFE | PTFE | DOB311 | 236273 | 246947 |
| | DB3341 | | DBC341 | | Hardened SST | Stainless Steel | PTFE | DOB331 | 236273 | 246947 |
| | DB3366 | DC3366 | DBC366 | DCC366 | Stainless Steel | Santoprene | Santoprene | DOB366 | 236273 | 246947 |
| | DB3377 | DC3377 | DBC377 | DCC377 | Stainless Steel | Buna-N | Buna-N | DOB377 | 236273 | 246947 |
| | DB3525 | DC3525 | DBC525 | DCC525 | TPE | Acetal | TPE | DOB525 | 236273 | 246947 |
| | DB3555 | | DBC555 | | TPE | TPE | TPE | DOB555 | 236273 | 246947 |
| | DB3666 | DC3666 | DBC666 | DCC666 | Santoprene | Santoprene | Santoprene | DOB666 | 236273 | 246947 |
| | DB3777 | DC3777 | DBC777 | DCC777 | Buna-N | Buna-N | Buna-N | DOB777 | 236273 | 246947 |
| | DB3888 | DC3888 | DBC888 | DCC888 | Fluoroelastomer | Fluoroelastomer | Fluoroelastomer | DOB888 | 236273 | 246947 |
| | DB3GGG | DC3GGG | DBCGGG | DCCGGG | Geolast | Geolast | Geolast | DOBGGG | 236273 | 246947 |
| | DB3911 | | DBC911 | | Polypropylene | PTFE | PTFE | DOB911 | 236273 | 246947 |
| | DB3977 | | DBC977 | | Polypropylene | Buna-N | Buna-N | DOB977 | 236273 | 246947 |
| Stainless Steel | DB4311 | DC4311 | DBD311 | DCD311 | Stainless Steel | PTFE | PTFE | DOB311 | 236273 | 246947 |
| | DB4341 | | DBD341 | | Stainless Steel | Hardened SST | PTFE | DOB341 | 236273 | 246947 |
| | DB4377 | DC4377 | DBD377 | DCD377 | Stainless Steel | Buna-N | Buna-N | DOB377 | 236273 | 246947 |
| | DB4525 | | DBD525 | | TPE | Acetal | TPE | DOB525 | 236273 | 246947 |
| | DB4666 | DC4666 | DBD666 | DCD666 | Santoprene | Santoprene | Santoprene | DOB666 | 236273 | 246947 |
| | DB4777 | DC4777 | DBD777 | DCD777 | Buna-N | Buna-N | Buna-N | DOB777 | 236273 | 246947 |
| | DB4888 | DC4888 | DBD888 | DCD888 | Fluoroelastomer | Fluoroelastomer | Fluoroelastomer | DOB888 | 236273 | 246947 |
| | DB4GGG | DC4GGG | DBDGGG | DCDGGG | Geolast | Geolast | Geolast | DOBGGG | 236273 | 246947 |
| | DB4911 | | DBD911 | | Polypropylene | PTFE | PTFE | DOB911 | 236273 | 246947 |
| Corrosion Resistant Pumps with Stainless Steel Center Section | | | | | | | | | | |
| Stainless Steel | DT4311 | DU4311 | DTD311 | DUD311 | Stainless Steel | PTFE | PTFE | DOB311 | 255061 | 246947 |
| | DT4377 | DU4377 | DTD377 | DUD377 | Stainless Steel | Buna-N | Buna-N | DOB377 | 255061 | 246947 |
| | DT4388 | DU4388 | DTD388 | DUD388 | Stainless Steel | Fluoroelastomer | Fluoroelastomer | DOB388 | 255061 | 246947 |
| | DT4666 | DU4666 | DTD666 | DUD666 | Santoprene | Santoprene | Santoprene | DOB666 | 255061 | 246947 |
| | DT4888 | DU4888 | DTD888 | DUD888 | Fluoroelastomer | Fluoroelastomer | Fluoroelastomer | DOB888 | 255061 | 246947 |
| | DT4911 | DU4911 | DTD911 | DUD911 | Polypropylene | PTFE | PTFE | DOB911 | 255061 | 246947 |

*Requires CycleFlo or external valve control

** Air control includes air regulator and filter with gauge



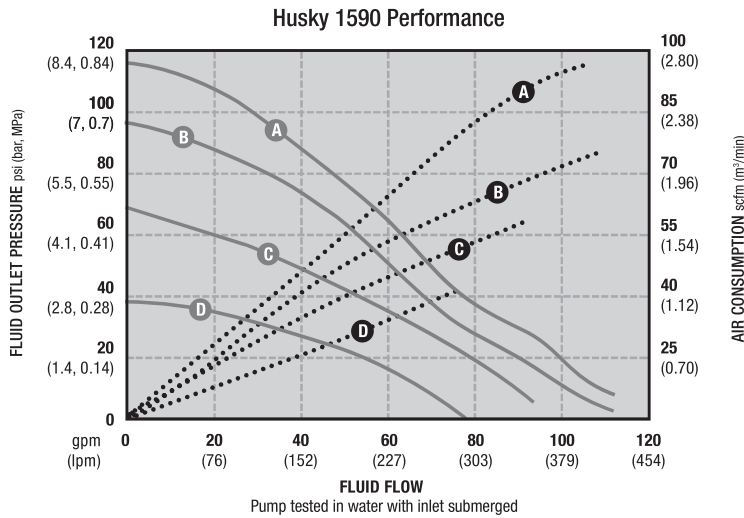
Stainless Steel Flange Models*

| Part Number | Outlet Orientation | Seat Material | Ball Material | Diaphragm Material | Air Valve | Seat Kit | Ball Kit | Diaphragm Kit |
|-------------|--------------------|-----------------|---------------|--------------------|-----------|----------|----------|---------------|
| 25C654 | Horizontal | Stainless Steel | PTFE | Overmolded PTFE | 236273 | DOB300 | DOB010 | 253627 |
| 25C656 | Vertical | Stainless Steel | PTFE | Overmolded PTFE | 236273 | DOB300 | DOB010 | 253627 |
| DBR311 | Horizontal | Stainless Steel | PTFE | PTFE | 236273 | DOB300 | DOB010 | DOB001 |
| DBP311 | Vertical | Stainless Steel | PTFE | PTFE | 236273 | DOB300 | DOB010 | DOB001 |
| DBR366 | Horizontal | Stainless Steel | Santoprene | Santoprene | 236273 | DOB300 | DOB060 | DOB006 |
| DBP366 | Vertical | Stainless Steel | Santoprene | Santoprene | 236273 | DOB300 | DOB060 | DOB006 |

*All stainless steel flange models have a fixed center inlet.

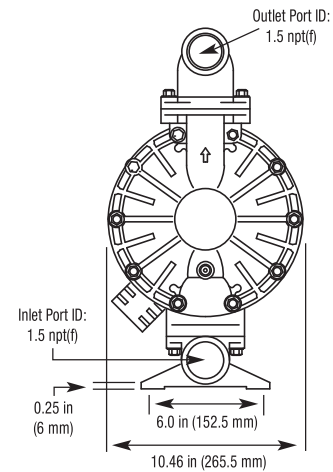
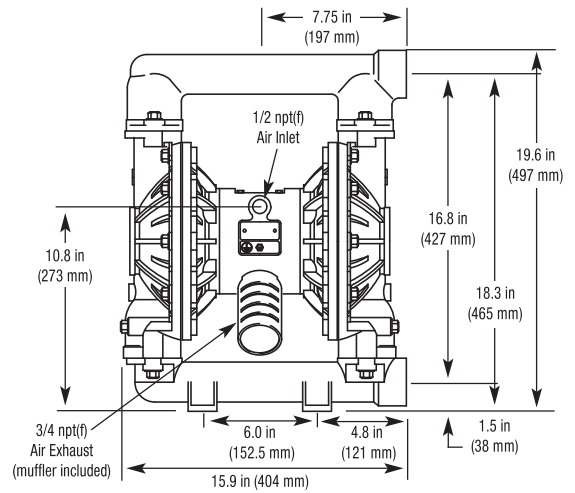
Husky 1590 Metal Pumps

Performance Charts



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

Dimensions



Refer to manual 308441 for additional dimensions

Typical System Drawings

Husky 1590 Above Ground Gravity Feed

