

Husky I590

Part Number: **DB2911**

Number: 1590P-A01AP2PPPTPTPT



Power Source:	Air Operated
Certification Required:	No Certification
Fluid Section Material:	[P] Polypropylene
Pump Inlet/Outlet Size:	1590 - 1.5 Inch, 90 gpm (38mm, 341 lpm)
Center Section:	[A01A] Aluminum Standard Air Valve w/Buna Seals
Porting:	[P2] Polypropylene End Flange ANSI/DIN
Seats:	[PP] Polypropylene
Balls:	[PT] PTFE
Diaphragms:	[PT] PTFE
Manifold O-Rings:	[PT] PTFE



Metal

Example of Finding Pump Air Consumption and Air Pressure at a Specific Fluid Delivery and Discharge Head:
To supply 60 gpm (227 liters) fluid flow (horizontal scale) at 40 psi (0.28 MPa, 2.8 bar) discharge head pressure (vertical scale) requires approximately 50 scfm (1.40 m³/min) air consumption at 70 psi (0.49 MPa, 4.9 bar) inlet air pressure.

Technical Specifications

Husky 1590 Plastic Pumps	Polypropylene
Maximum fluid working pressure	120 psi (8.4 bar, 0.84 MPa)
Maximum free flow delivery*	100 gpm (378.5 lpm)
Maximum pump speed	200 cpm
Displacement per cycle**	0.5 gallon (1.96 liter)
Maximum suction lift (DB2366)	20 ft (6.1 m) dry
Maximum size pumpable solids	0.19 in (4.8 mm)
Maximum operating temperature***	150°F (65.5°C)
Maximum diaphragm operating temperature***	
PTFE	220°F (104.4°C)
Santoprene	180°F (82.2°C)
Buna-N	180°F (82.2°C)
TPE	150°F (65.5°C)
Fluoroelastomer	250°F (121.1°C)
Geolast	150°F (65.5°C)
Typical sound level at 70 psi (4.9 bar, 0.49 MPa) air @ 125 cpm	77 dBA
Maximum air consumption	125 scfm (3.5 m ³ /min.)
Air pressure operating range	20 to 120 psi (1.4 to 8.4 bar, 0.14 to 0.84 MPa)
Air inlet size	1/2 npt(f)
Fluid inlet & outlet size****	1-1/2 in (38.1 mm) ANSI-flange
Weight	35 lb (16 kg)

