

Husky I590

Part Number: **DBC311**

Number: 1590P-A01AP2PPPTPTPT



Power Source:	Air Operated
Certification Required:	ATEX
Fluid Section Material:	[A] Aluminum
Pump Inlet/Outlet Size:	1590 - 1.5 Inch, 90 gpm (38mm, 341 lpm)
Center Section:	[A01A] Aluminum Standard Air Valve w/Buna Seals
Porting:	[A2] Aluminum Standard Porting (BSPT)
Seats:	[SS] 316 SST
Balls:	[PT] PTFE
Diaphragms:	[PT] PTFE
Manifold O-Rings:	[PT] PTFE



Technical Specifications

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.

Husky 1590 Metal Pumps	Aluminum
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 npt(f) or bspt(f)
Weight	33.5 lb (15.2 kg)

