

Husky I590

Part Number: **DB3525**

Number: 1590A-A01AA1TPACTP



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:	[A1] Aluminum Standard Porting (NPT)
Seats:	[TP] TPE
Balls:	[AC] Acetal
Diaphragms:	[TP] TPE

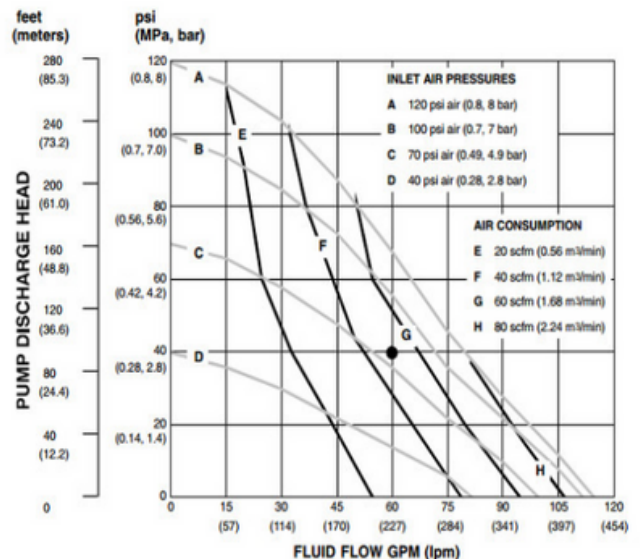


Technical Specifications

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 m3/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)

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.



TEST CONDITIONS
Pump tested in water with PTFE diaphragm and inlet submerged.

KEY
— FLUID PRESSURE AND FLOW
— SCFM AIR CONSUMPTION