

Husky 2150 Plastic Pumps

Air-Operated Double-Diaphragm

Features

- 2 in (50.8 mm) ANSI end-porting
- Larger ports for more flow — up to 150 gpm (568 lpm)
- Fluid pressure up to 120 psi (8.4 bar, 0.84 MPa)
- Patented, high-reliability closed center air valve is online serviceable
- Lube-free operation
- Epoxy-coated air section
- External controller for optional remote operation
- Stainless steel center section for corrosive applications

Typical Applications

- Drum fluid transfer
- Bulk fluid supply
- Chemical evacuation
- Ground water and sump evacuation
- Waste fluid removal
- Tank and bilge drainage
- Slurry and sludge transfer
- Filter press feed

Typical Fluids Handled

- Acids and gases: acetic, chromic, hydrochloric, Hydrofluoric, sulfuric, nitric and phosphoric
- Ship cleaning and stripping chemicals



*Husky 2150 Polypropylene
DF2XXX or DG2XXX*



*Husky 2150 Polypropylene
DV2XXX or DW2XXX*



*Husky 2150 PVDF
DF5XXX or DG5XXX*



*Husky 2150 PVDF
DV5XXX or DW5XXX*

Husky 2150

Plastic Pumps

Technical Specifications

Maximum fluid working pressure	120 psi (8.4 bar, 0.84 MPa)
Maximum free flow delivery*	150 gpm (568 lpm)
Maximum pump speed	145 cpm
Displacement per cycle**	1.03 gallon (3.90 liter)
Maximum suction lift (DF2666)	20 ft (6.1m) dry
Maximum size pumpable solids	0.25 in (6.3 mm)
Maximum 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 air (4.9 bar, 0.49 MPa) air @ 50 cpm	78 dBA
Maximum air consumption	175 scfm (4.9 m3/min)
Air consumption at 70 psi/60 gpm	60 scfm (1.7 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	2 in (51 mm) ANSI-flange
Weight	
Polypropylene	49 lb (22 kg)
Polypropylene with stainless steel center section	68.5 lb (31 kg)
PVDF	68 lb (30.8 kg)
PVDF with stainless steel center section	87.5 lb (39.6 kg)
Instruction manual	308550

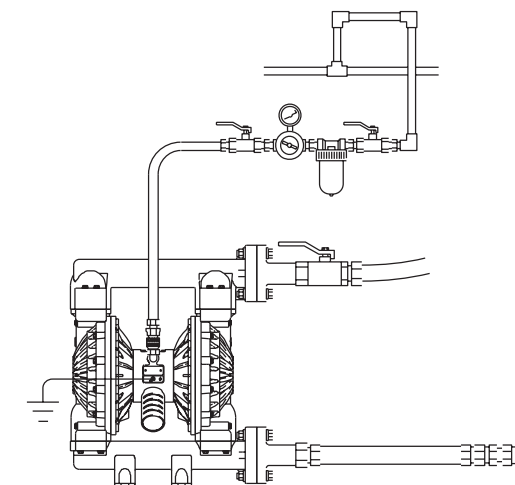
* Flow rates are with muffler and do not vary based on diaphragm material

** 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

System Drawing

Husky 2150 Above Ground Gravity Feed



Husky 2150

Plastic Pumps

Ordering Information

The highlighted areas indicate possible configurations for the Husky 2150 plastic pumps.

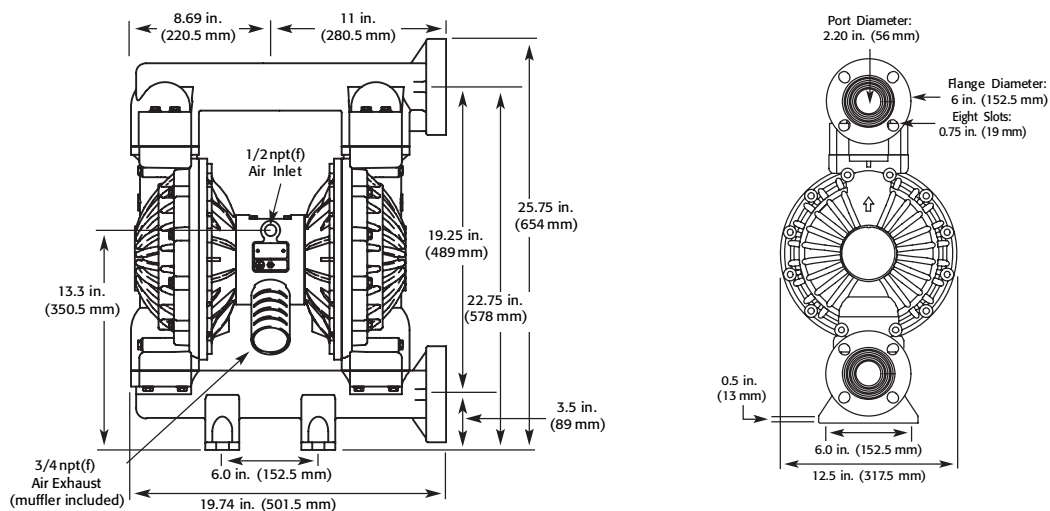
PUMP SIZE (AIR MOTOR TYPE AND MATERIAL)	WETTED PARTS	SEATS	BALLS	DIAPHRAGM
1 = 1/4" (6.35 mm) Standard: polypropylene center section	1 = Acetal (npt)	0 = Seat with ball	1 = PTFE	1 = PTFE
2 = 1/4" (6.35 mm) Remote: polypropylene center section	2 = Poly (npt)	2 = Acetal	2 = Acetal	5 = TPE
3 = 3/8" (9.52 mm) Standard: aluminum center section	3 = Aluminum (npt)	3 = Stainless Steel	3 = Stainless Steel	6 = Santoprene
5 = 1/2" (12.7 mm) Standard: polypropylene center section	4 = Stainless Steel (npt)	4 = Hardened SST	4 = Hardened SST	7 = Buna N
4 = 1/2" (12.7 mm) Remote: polypropylene center section	5 = PVDF (npt)	5 = TPE	5 = TPE	8 = Fluoroelastomer
5 = 3/4" (19.05 mm) Standard: polypropylene center section	6 = Ductile Iron (npt)	6 = Santoprene	6 = Santoprene	G = Geolast
4 = 3/4" (19.05 mm) Remote: polypropylene center section	A = Acetal * (bsp)	7 = Buna N	7 = Buna N	
7 = 1" (25.4 mm) Standard: aluminum center section	B = Poly * (bsp)	8 = Fluoroelastomer	8 = Fluoroelastomer	
8 = 1" (25.4 mm) Remote: aluminum center section	C = Aluminum (bsp)	9 = Polypropylene	9 = Polypropylene	
R = 1" (25.4 mm) Standard: stainless steel center section	D = Stainless Steel (bsp)	A = PVDF	A = PVDF	
S = 1" (25.4 mm) Remote: stainless steel center section	E = PVDF (bsp)	G = Geolast	G = Geolast	
B = 1-1/2" (38.1 mm) Standard: aluminum center section	F = Ductile Iron (bsp)	B = SST with viton seal		
C = 1-1/2" (38.1 mm) Remote: aluminum center section	H = 2 npt Alum Extended	C = Santoprene with viton seal		
T = 1-1/2" (38.1 mm) Standard: stainless steel center section	G = 2 bsp Alum Extended	D = Urethane Duckbill		
U = 1-1/2" (38.1 mm) Remote: stainless steel center section				
F = 2" (50.8 mm) Standard: aluminum center section				
G = 2" (50.8 mm) Remote: aluminum center section				
V = 2" (50.8 mm) Standard: stainless steel center section				
W = 2" (50.8 mm) Remote: stainless steel center section				
K = 3" (76.2 mm) Standard: aluminum center section				

* = BSP plastic in 1/2" (12.7mm) pumps

1" > Plastic pumps flange connections

3" Aluminum pumps flange connections

Dimensions



Husky 2150

Plastic Pumps

Popular Models

Material	Part Number (ANSI-Flange)		Part Number (BSP Ported)		Materials for Seats	Materials for Balls	Materials for Diaphragms	Fluid Kit	Air Kit	Air Control*
	Standard Air Valve	Remote Air Valve	Standard Air Valve	Remote Air Valve						
Standard Pumps with Aluminum Center Section										
Polypropylene	DF2311				Stainless Steel	PTFE	PTFE	D0G311	236273	246947
	DF2377	DC2377			Stainless Steel	Buna	Buna	D0G377	236273	246947
	DF2777	DC2777			Buna	Buna	Buna	D0G777	236273	246947
	DF2888	DC2888			Fluoroelastomer	Fluoroelastomer	Fluoroelastomer	D0G888	236273	246947
	DF2911	DC2911			Polypropylene	PTFE	PTFE	D0G911	236273	246947
	DF2955				Polypropylene	TPE	TPE	D0G955	236273	246947
	DF2966				Polypropylene	Santoprene	Santoprene	D0G966	236273	246947
	DF2977				Polypropylene	Buna	Buna	D0G977	236273	246947
	DF2988				Polypropylene	Fluoroelastomer	Fluoroelastomer	D0G988	236273	246947
	DF29GG	DC29GG			Polypropylene	Geolast	Geolast	D0G9GG	236273	246947
PVDF	DF5311				Stainless Steel	PTFE	PTFE	D0G311	236273	246947
	DF5666				Santoprene	Santoprene	Santoprene	D0G666	236273	246947
	DF5811	DG5811			Fluoroelastomer	PTFE	PTFE	D0G811	236273	246947
	DF5888	DG5888			Fluoroelastomer	Fluoroelastomer	Fluoroelastomer	D0G888	236273	246947
	DF5A11	DG5A11			PVDF	PTFE	PTFE	D0GA11	236273	246947
	DF5A88				PVDF	Fluoroelastomer	Fluoroelastomer	D0GA88	236273	246947
Corrosion Resistant Pumps with Stainless Steel Center Section										
Polypropylene	DV2311	DW2311			Stainless Steel	PTFE	PTFE	D0G311	236273	246947
	DV2341	DW2331			Hardened SST	Stainless Steel	PTFE	D0G331	236273	246947
	DV2377	DW2377			Stainless Steel	Buna	Buna	D0G377	236273	246947
	DV2888	DW2888			Fluoroelastomer	Fluoroelastomer	Fluoroelastomer	D0G888	236273	246947
	DV2911	DW2911			Polypropylene	PTFE	PTFE	D0G911	236273	246947
	DV2977	DW2977			Polypropylene	Buna	Buna	D0G977	236273	246947
	DV2988	DW2988			Polypropylene	Fluoroelastomer	Fluoroelastomer	D0G988	236273	246947
	DV2A11	DW2A11			PVDF	PTFE	PTFE	D0GA11	236273	246947
	DV2A88	DW2A88			PVDF	Fluoroelastomer	Fluoroelastomer	D0GA88	236273	246947
PVDF	DV5311	DW5311			Stainless Steel	PTFE	PTFE	D0G311	236273	246947
	DV5811	DW5811			Fluoroelastomer	PTFE	PTFE	D0G811	236273	246947
	DV5888	DW5888			Fluoroelastomer	Fluoroelastomer	Fluoroelastomer	D0G888	236273	246947
	DV5A11	DW5A11			PVDF	PTFE	PTFE	D0GA11	236273	246947
	DV5A88	DW5A88			PVDF	Fluoroelastomer	Fluoroelastomer	D0GA88	236273	246947

* Air control includes air regulator and filter with gauge

Performance Charts

See www.graco.com/process for performance charts.

Accessories

See page 76 for additional accessories.