

Husky 205 Plastic Pumps Air-Operated Double Diaphragm

Ordering Information

D Diaphragm Pump
X Pump Size
X Wetted Parts
X Seats
X Balls/Checks
X Diaphragms

PUMP SIZE (AIR MOTOR TYPE AND MATERIAL)	WETTED PARTS	SEATS	CHECK VALVES	DIAPHRAGM
1 = 1/4" (6.35 mm) Standard: polypropylene center section	1 = Acetal (npt)	0 = No Seats	2 = Acetal	1 = PTFE
2 = 1/4" (6.35 mm) Remote: polypropylene center section	2 = Poly (npt)		9 = Polypropylene	6 = Santoprene
	5 = PVDF (npt)		A = PVDF	

Popular Models

Material	Part Number (NPT Ported)		Part Number (BSP Ported)		Materials for Check Valves	Materials for Diaphragms	Fluid Kit	Air Kit	Air Control**
	Standard Air Valve	Remote* Air Valve	Standard Air Valve	Remote* Air Valve					
Acetal	D11021	D21021	D11021	D21021	Acetal	PTFE	D01021	238853	246946
	D11026	D21026	D11026	D21026	Acetal	Santoprene	D01026	238853	246946
PVDF	D150A1	D250A1	D150A1	D250A1	PVDF	PTFE	D010A1	238853	246946
	D150A6	D250A6	D150A6	D250A6	PVDF	Santoprene	D010A6	238853	246946
Polypropylene	D12091	D22091	D12091	D22091	Polypropylene	PTFE	D01091	238853	246946
	D12096	D22096	D12096	D22096	Polypropylene	Santoprene	D01096	238853	246946

* Requires Cycleflo or external valve control

** Air control includes air regulator and filter with gauge



Wall bracket standard with pump

Technical Specifications

Husky 205 Plastic Pumps	Acetal	Polypropylene	PVDF
Maximum fluid working pressure	100 psi (7 bar, 0.7 MPa)	100 psi (7 bar, 0.7 MPa)	100 psi (7 bar, 0.7 MPa)
Maximum free flow delivery*	5.0 gpm (18.9 lpm)	5.0 gpm (18.9 lpm)	5.0 gpm (18.9 lpm)
Maximum pump speed	250 cpm	250 cpm	250 cpm
Displacement per cycle**	0.012 gallon (0.045 liter)	0.012 gallon (0.045 liter)	0.012 gallon (0.045 liter)
Maximum suction lift (D12096)	10 ft (3 m) dry	10 ft (3 m) dry	10 ft (3 m) dry
Maximum size pumpable solids	0.06 in (1.5 mm)	0.06 in (1.5 mm)	0.06 in (1.5 mm)
Maximum ambient operating temperature***	180°F (82°C)	150°F (66°C)	180°F (82°C)
Maximum diaphragm operating temperature****	Refer to page 7	Refer to page 7	Refer to page 7
Typical sound level at 70 psi (4.9 bar, 0.49 MPa) air @ 125 cpm	70 dBA	70 dBA	70 dBA
Maximum air consumption	9.0 scfm (0.252 m3/min)	9.0 scfm (0.252 m3/min)	9.0 scfm (0.252 m3/min)
Air pressure operating range	20 to 100 psi (1.4 to 7 bar, 0.14 to 0.7 MPa)	20 to 100 psi (1.4 to 7 bar, 0.14 to 0.7 MPa)	20 to 100 psi (1.4 to 7 bar, 0.14 to 0.7 MPa)
Air inlet size	1/4 npt(f)	1/4 npt(f)	1/4 npt(f)
Air exhaust port size	1/4 npt(f)	1/4 npt(f)	1/4 npt(f)
Fluid inlet & outlet size****	1/4 npt(f)	1/4 npt(f)	1/4 npt(f)
Weight	2.5 lb (1.1 kg)	2.0 lb (0.9 kg)	2.8 lb (1.3 kg)
Wetted parts (in addition to ball, seat and diaphragm materials— which may vary by pump)	Acetal with Stainless Steel fibers, PTFE, Acetal, Santoprene	Glass-filled Polypropylene, Santoprene, PTFE, Polypropylene	PVDF, PTFE, Santoprene
Instruction manual	308652	308652	308652

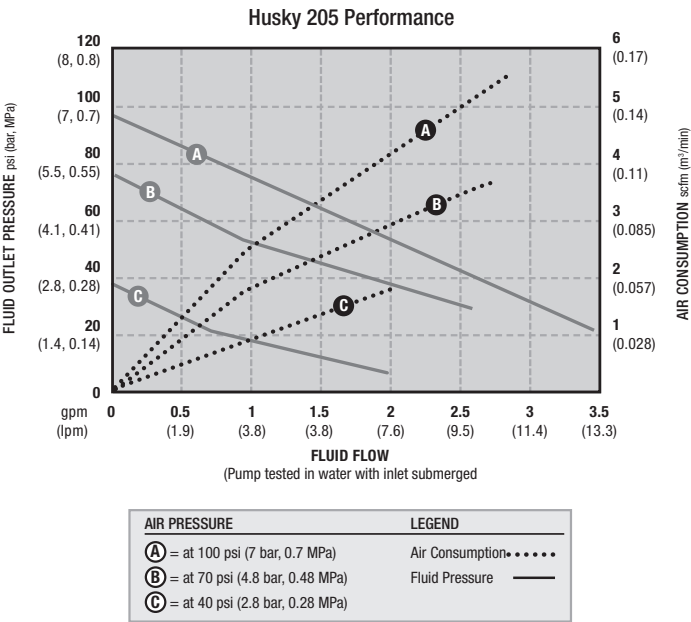
** Displacement per cycle may vary based on suction condition, discharge head, air pressure and fluid type

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

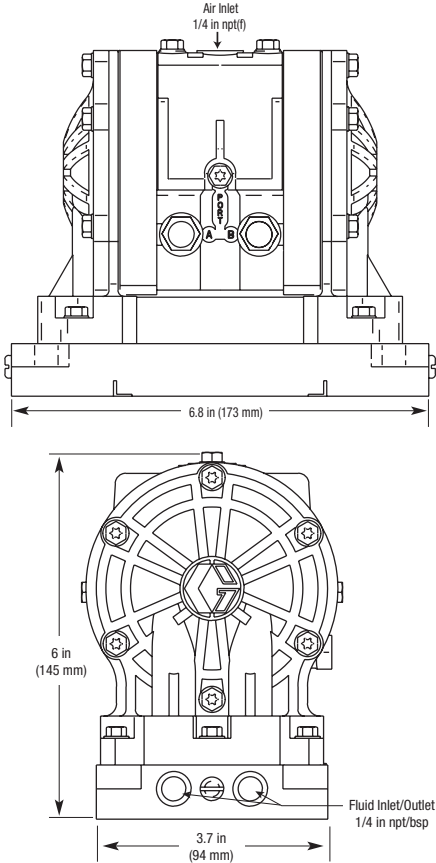
**** Hybrid thread allows for either 1/4 npt or 1/4 bspt fitting

Husky 205 Plastic Pumps

Performance Charts

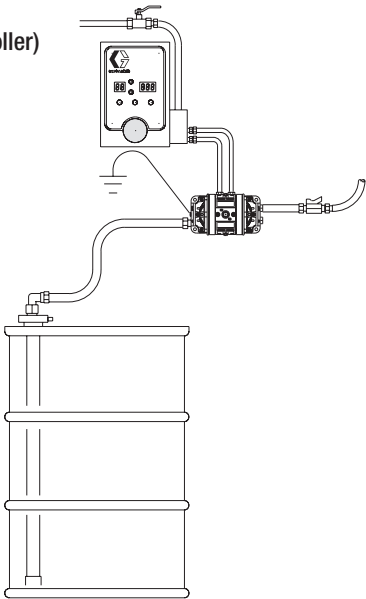


Dimensions



Typical System Drawings

Husky 205 Wall-Mount
(shown with CycleFlo controller)



Husky 307 Plastic Pumps Air-Operated Double Diaphragm

Ordering Information

D | **X** | **X** | **X** | **X** | **X**
 Diaphragm Pump | Pump Size | Wetted Parts | Seats | Balls/Checks | Diaphragms

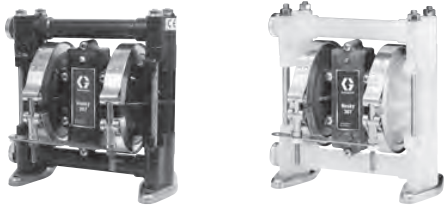
PUMP SIZE (AIR MOTOR TYPE AND MATERIAL)	WETTED PARTS	SEATS	BALLS	DIAPHRAGM
3 = 3/8" (9.52 mm) Standard: polypropylene center section	1 = Acetal (npt) 2 = Poly (npt) A = Acetal (bsp) B = Poly (bsp)	2 = Acetal 3 = Stainless Steel 9 = Polypropylene	1 = PTFE 3 = SST 5 = TPE 6 = Santoprene 7 = Buna N	1 = PTFE 5 = TPE 6 = Santoprene 7 = Buna N

Popular Models

Material	Part Number (NPT Ported)		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						
Acetal	D31211	NA	D3A211	NA	Acetal	PTFE	PTFE	D03211	239952	246946
	D31255	NA	D3A255	NA	Acetal	TPE	TPE	D03255	239952	246946
	D31277	NA	D3A277	NA	Acetal	Buna-N	Buna-N	D03277	239952	246946
	D31311	NA	D3A311	NA	Stainless Steel	PTFE	PTFE	D03311	239952	246946
Polypropylene	D32211	NA	D3B211	NA	Acetal	PTFE	PTFE	D03211	239952	246946
	D32255	NA	D3B255	NA	Acetal	TPE	TPE	D03255	239952	246946
	D32277	NA	D3B277	NA	Acetal	Buna-N	Buna-N	D03277	239952	246946
	D32311	NA	D3B311	NA	Stainless Steel	PTFE	PTFE	D03311	239952	246946
	D32366	NA	D3B366	NA	Stainless Steel	Santoprene	Santoprene	D03366	239952	246946
	D32911	NA	D3B911	NA	Polypropylene	PTFE	PTFE	D03911	239952	246946
	D32955	NA	D3B955	NA	Polypropylene	TPE	TPE	D03955	239952	246946
	D32966	NA	D3B966	NA	Polypropylene	Santoprene	Santoprene	D03966	239952	246946
	D32977	NA	D3B977	NA	Polypropylene	Buna-N	Buna-N	D03977	239952	246946

* Air control includes air regulator and filter with gauge (see drawing on page 13)

Husky 307 Plastic Pumps

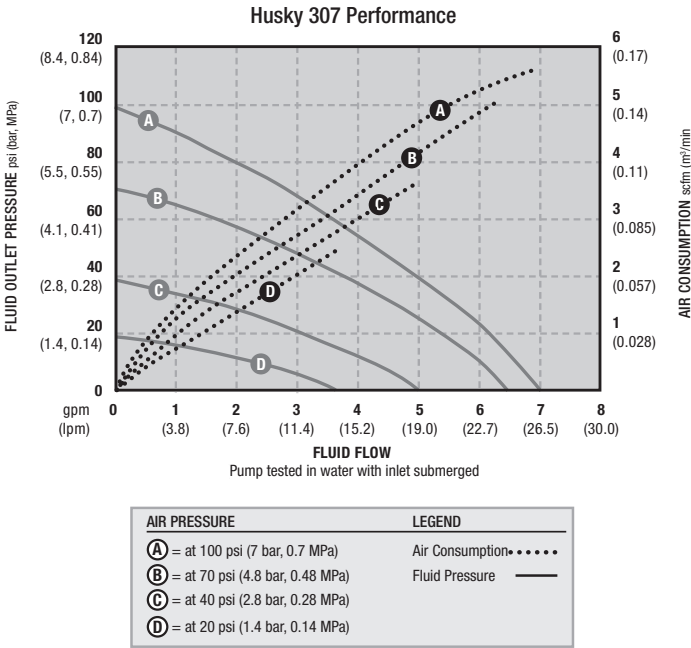


Technical Specifications

Husky 307 Plastic Pumps	Acetal	Polypropylene
Maximum fluid working pressure	100 psi (7 bar, 0.7 MPa)	100 psi (7 bar, 0.7 MPa)
Maximum free flow delivery*	7.0 gpm (26.5 lpm)	7.0 gpm (26.5 lpm)
Maximum pump speed	330 cpm	330 cpm
Displacement per cycle**	0.02 gallon (0.076 liter)	0.02 gallon (0.076 liter)
Maximum suction lift (D31255)	12 ft (3.7 m) dry	12 ft (3.7 m) dry
Maximum size pumpable solids	0.06 in (1.5 mm)	0.06 in (1.5 mm)
Maximum ambient operating temperature***	180°F (65.5°C)	150°F (65.5°C)
Maximum diaphragm operating temperature***	Refer to page 7	Refer to page 7
Typical sound level at 50 psi (3.5 bar, 0.35 MPa) air @ 50 cpm	75 dBa	75 dBa
Maximum air consumption	6 scfm (0.17 m3/min)	6 scfm (0.17 m3/min)
Air pressure operating range	20 to 100 psi (1.4 to 8.4 bar, 0.14 to 0.84 MPa)	20 to 100 psi (1.4 to 8.4 bar, 0.14 to 0.84 MPa)
Air inlet size	1/4 npt(f) or bspt(f)	1/4 npt(f) or bspt(f)
Fluid inlet & outlet size****	3/8 npt(f)	3/8 npt(f)
Weight	5.2 lb (2.4 kg)	4.75 lb (2.2 kg)
Wetted parts (in addition to ball, seat and diaphragm materials—which may vary by pump)	Acetal with Stainless Steel fibers, PTFE	Polypropylene, PTFE
Instruction manual	308553	308553

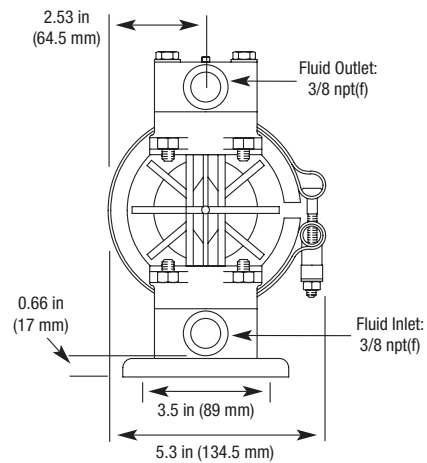
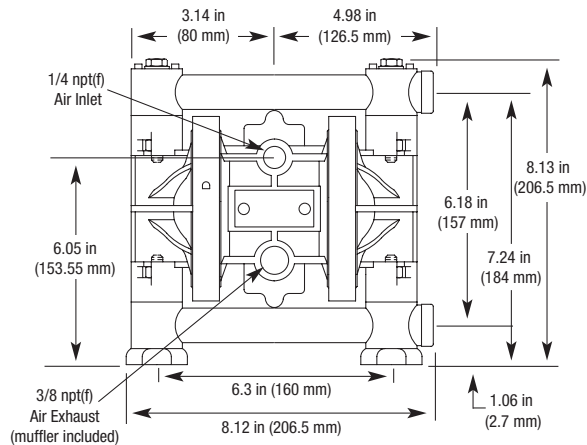
*Flow rates are with muffler and do not vary based on diaphragm material
 **Displacement per cycle may vary based on suction condition, discharge head, air pressure and fluid type
 ***Actual pump performance may be affected by prolonged usage at temperature

Performance Chart



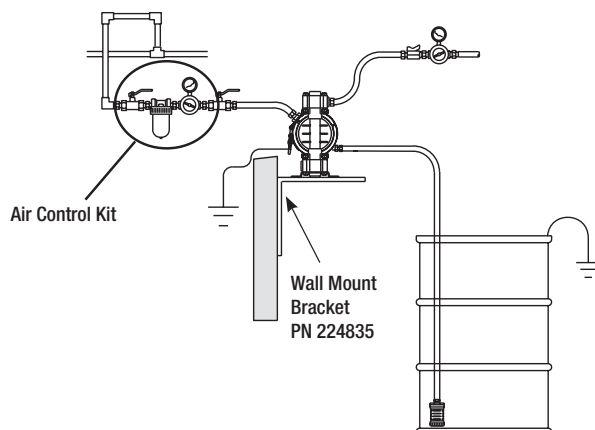
Husky 307 Plastic Pumps

Dimensions

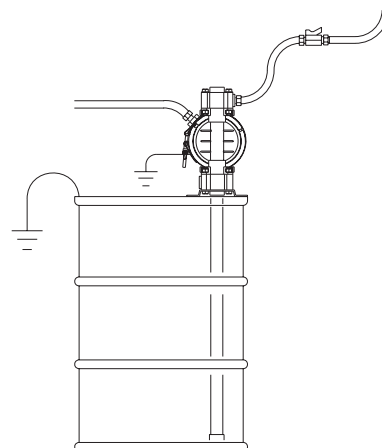


Typical System Drawings

Husky 307 Wall-Mount with Siphon Feed



Husky 307 Drum-Mount with Siphon Feed



Husky 515 Plastic Pumps

Air-Operated Double Diaphragm

Ordering Information

D Diaphragm Pump
X Pump Size
X Wetted Parts
X Seats
X Balls/Checks
X Diaphragms

PUMP SIZE (AIR MOTOR TYPE AND MATERIAL)	WETTED PARTS	SEATS	BALLS	DIAPHRAGM
5 = 1/2" center (12.7 mm) or 3/4" ends (19.05) Standard: polypropylene center section	1 = Acetal (npt)	2 = Acetal	1 = PTFE	1 = PTFE
4 = 1/2" center (12.7 mm) or 3/4" ends (19.05) Remote: polypropylene center section	2 = Poly (npt)	3 = Stainless Steel	3 = Stainless Steel	5 = TPE
	5 = PVDF (npt)	9 = Polypropylene	5 = TPE	6 = Santoprene
	A = Acetal * (bsp)	A = PVDF	6 = Santoprene	7 = Buna N
	B = Poly * (bsp)	D = Urethane Duckbill	7 = Buna N	8 = Fluoroelastomer
	E = PVDF (bsp)		8 = Fluoroelastomer	
			0 = Duckbill	

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

Popular Models

Material	Part Number (NPT Ported)		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						
Acetal	D51211	D41211	D5A211	D4A211	Acetal	PTFE	PTFE	D05211	241657	246946
	D51255	D41255	D5A255	D4A255	Acetal	TPE	TPE	D05255	241657	246946
	D51277	D41277	D5A277	D4A277	Acetal	Buna-N	Buna-N	D05277	241657	246946
	D51311	D41311	D5A311	D4A311	Stainless Steel	PTFE	PTFE	D05311	241657	246946
	D51331	D41331	D5A331	D4A331	Stainless Steel	Stainless Steel	PTFE	D05331	241657	246946
	D51D05	D41D05	D5AD05	D4AD05	Duckbill		TPE	D05D05	241657	246946
	D51D06	D41D06	D5AD06	D4AD06	Duckbill		Santoprene	D05D06	241657	246946
	D51D07	D41D07	D5AD07	D4AD07	Duckbill		Buna-N	D05D07	241657	246946
Polypropylene	D52211	D42211	D5B211	D4B211	Acetal	PTFE	PTFE	D05211	241657	246946
	D52277	D42277	D5B277	D4B277	Acetal	Buna-N	Buna-N	D05277	241657	246946
	D52311	D42311	D5B311	D4B311	Stainless Steel	PTFE	PTFE	D05311	241657	246946
	D52331	D42331	D5B331	D4B331	Stainless Steel	Stainless Steel	PTFE	D05331	241657	246946
	D52336	D42336	D5B336	D4B336	Stainless Steel	Stainless Steel	Santoprene	D05336	241657	246946
	D52911	D42911	D5B911	D4B911	Polypropylene	PTFE	PTFE	D05911	241657	246946
	D52955	D42955	D5B955	D4B955	Polypropylene	TPE	TPE	D05955	241657	246946
	D52966	D42966	D5B966	D4B966	Polypropylene	Santoprene	Santoprene	D05966	241657	246946
	D52977	D42977	D5B977	D4B977	Polypropylene	Buna-N	Buna-N	D05977	241657	246946
	D52988	D42988	D5B988	D4B988	Polypropylene	Fluoroelastomer	Fluoroelastomer	D05988	241657	246946
	D52D05	D42D05	D5BD05	D4BD05	Duckbill		TPE	D05D05	241657	246946
	D52D06	D42D06	D5BD06	D4BD06	Duckbill		Santoprene	D05D06	241657	246946
	D52D07	D42D07	D5BD07	D4BD07	Duckbill		Buna-N	D05D07	241657	246946
PVDF	D55A11	D45A11	D5EA11	D4EA11	PVDF	PTFE	PTFE	D05A11	241657	246946
	D55A88	D45A88	D5EA88	D4EA88	PVDF	Fluoroelastomer	Fluoroelastomer	D05A88	241657	246946

*Required Cycleflo or external valve control

** Air control includes air regulator and filter with gauge (see drawing on page 16)

Husky 515 Plastic Pumps



Technical Specifications

Husky 515 Plastic Pumps	Acetal	Polypropylene	PVDF
Maximum fluid working pressure	100 psi (7 bar, 0.7 MPa)	100 psi (7 bar, 0.7 MPa)	100 psi (7 bar, 0.7 MPa)
Maximum free flow delivery*	15 gpm (57 lpm)	15 gpm (57 lpm)	15 gpm (57 lpm)
Maximum pump speed	400 cpm	400 cpm	400 cpm
Displacement per cycle**	0.04 gallon (0.15 liter)	0.04 gallon (0.15 liter)	0.04 gallon (0.15 liter)
Maximum suction lift ***	15 ft (4.5 m) dry	15 ft (4.5 m) dry	15 ft (4.5 m) dry
Maximum size pumpable solids	0.09 in (2.5 mm)	0.09 in (2.5 mm)	0.09 in (2.5 mm)
Maximum ambient operating temperature†	180°F (82°C)	150°F (66°C)	180°F (82°C)
Maximum diaphragm operating temperature†	Refer to page 7	Refer to page 7	Refer to page 7
Typical sound level at 70 psi (4.9 bar, 0.49 MPa) air @ 125 cpm	74 dBa	74 dBa	74 dBa
Maximum air consumption	28 scfm (0.672 m3/min)	28 scfm (0.672 m3/min)	28 scfm (0.672 m3/min)
Air pressure operating range	30 to 100 psi (2.1 to 7 bar, 0.21 to 0.7 MPa)	30 to 100 psi (2.1 to 7 bar, 0.21 to 0.7 MPa)	30 to 100 psi (2.1 to 7 bar, 0.21 to 0.7 MPa)
Air inlet size	1/4 npt(f)	1/4 npt(f)	1/4 npt(f)
Air exhaust port size	3/8 npt(f)	3/8 npt(f)	3/8 npt(f)
Fluid inlet & outlet size****	1/2 npt(f) or bspt(f)	1/2 npt(f) or bspt(f)	1/2 npt(f) or bspt(f)
Weight	7.8 lb (3.5 kg)	6.5 lb (2.9 kg)	8.5 lb (3.9 kg)
Wetted parts (in addition to ball, seat and diaphragm materials—which may vary by pump)	Groundable Acetal, PTFE, SST	Polypropylene, PTFE, SST	PVDF, PTFE
Instruction manual	308981	308981	308981

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

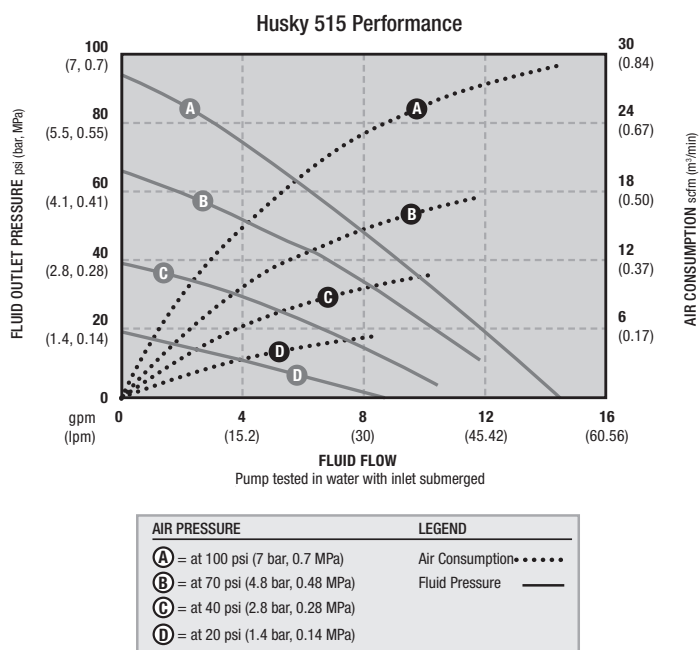
** Displacement per cycle may vary based on suction condition, discharge head, air pressure and fluid type

*** Duckbill suction lift 11 ft (3.3 m)

**** Hybrid thread allows for either 1/4 npt or 1/4 bspt fitting

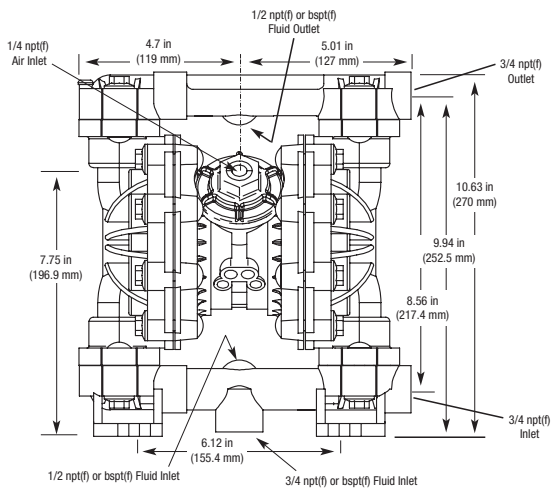
† Actual pump performance may be affected by prolonged usage at temperature.

Performance Charts



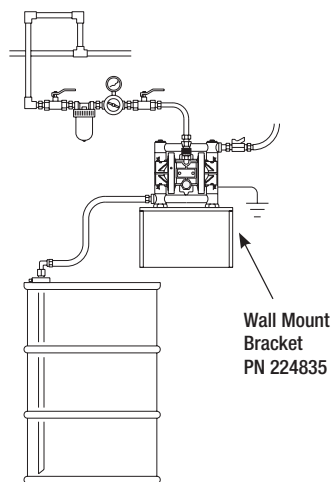
Husky 515 Plastic Pumps

Dimensions

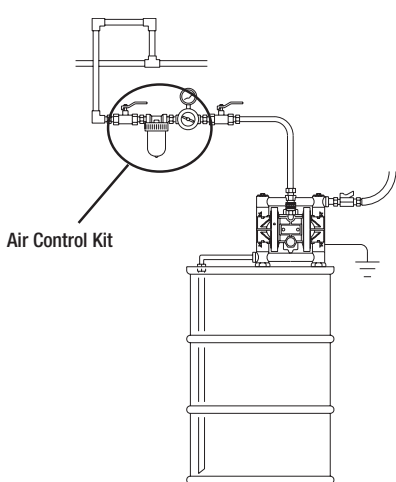


Typical System Drawings

Husky 515 Wall-Mount with Drum Feed



Husky 515 Drum-Mount with Siphon Feed



Husky 716 Metal Pumps Air-Operated Double Diaphragm

Ordering Information

D	X	X	X	X	X
Diaphragm Pump	Pump Size	Wetted Parts	Seats	Balls/Checks	Diaphragms

PUMP SIZE (AIR MOTOR TYPE AND MATERIAL)	WETTED PARTS	SEATS	BALLS	DIAPHRAGM
5 = 3/4" (19.05 mm) Standard: polypropylene center section	3 = Aluminum (npt)	2 = Acetal	1 = PTFE	1 = PTFE
4 = 3/4" (19.05 mm) Remote: polypropylene center section	4 = Stainless Steel (npt)	3 = Stainless Steel	3 = Stainless Steel	5 = TPE
		9 = Polypropylene	5 = TPE	6 = Santoprene
	C = Aluminum (bsp)	A = PVDF	6 = Santoprene	7 = Buna N
	D = Stainless Steel (bsp)	D = Duckbill	7 = Buna N	8 = Fluoroelastomer
			8 = Fluoroelastomer	

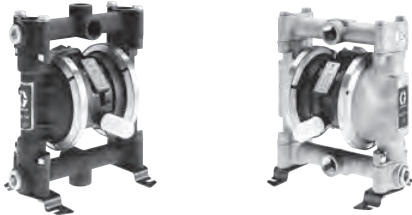
Popular Models

Material	Part Number (NPT Ported)		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						
Aluminum	D53211	D43211	D5C211	D4C211	Acetal	PTFE	PTFE	D05211	241657	246946
	D53255	D43255	D5C255	D4C255	Acetal	TPE	TPE	D05255	241657	246946
	D53277	D43277	D5C277	D4C277	Acetal	Buna-N	Buna-N	D05277	241657	246946
	D53288	D43288	D5C288	D4C288	Acetal	Fluoroelastomer	Fluoroelastomer	D05288	241657	246946
	D53311	D43311	D5C311	D4C311	Stainless Steel	PTFE	PTFE	D05311	241657	246946
	D53331	D43331	D5C331	D4C331	Stainless Steel	Stainless Steel	PTFE	D05331	241657	246946
	D53355	D43355	D5C355	D4C355	Stainless Steel	TPE	TPE	D05355	241657	246946
	D53366	D43366	D5C366	D4C366	Stainless Steel	Santoprene	Santoprene	D05366	241657	246946
	D53377	D43377	D5C377	D4C377	Stainless Steel	Buna-N	Buna-N	D05377	241657	246946
	D53388	D43388	D5C388	D4C388	Stainless Steel	Fluoroelastomer	Fluoroelastomer	D05388	241657	246946
	D53911	D43911	D5C911	D4C911	Polypropylene	PTFE	PTFE	D05911	241657	246946
	D53955	D43955	D5C955	D4C955	Polypropylene	TPE	TPE	D05955	241657	246946
	D53966	D43966	D5C966	D4C966	Polypropylene	Santoprene	Santoprene	D05966	241657	246946
	D53977	D43977	D5C977	D4C977	Polypropylene	Buna-N	Buna-N	D05977	241657	246946
	D53D05	D43D05	D5CD05	D4CD05		Duckbill	TPE	D05D05	241657	246946
	D53D06	D43D06	D5CD06	D4CD06		Duckbill	Santoprene	D05D06	241657	246946
	D53D07	D43D07	D5CD07	D4CD07		Duckbill	Buna-N	D05D07	241657	246946
Stainless Steel	D54211	D44211	D5D211	D4D211	Acetal	PTFE	PTFE	D05211	241657	246946
	D54311	D44311	D5D311	D4D311	Stainless Steel	PTFE	PTFE	D05311	241657	246946
	D54331	D44331	D5D331	D4D331	Stainless Steel	Stainless Steel	PTFE	D05331	241657	246946
	D54335	D44335	D5D335	D4D335	Stainless Steel	Stainless Steel	TPE	D05335	241657	246946
	D54336	D44336	D5D336	D4D336	Stainless Steel	Stainless Steel	Santoprene	D05336	241657	246946
	D54355	D44355	D5D355	D4D355	Stainless Steel	TPE	TPE	D05355	241657	246946
	D54366	D44366	D5D366	D4D366	Stainless Steel	Santoprene	Santoprene	D05366	241657	246946
	D54377	D44377	D5D377	D4D377	Stainless Steel	Buna-N	Buna-N	D05377	241657	246946
	D54388	D44388	D5D388	D4D388	Stainless Steel	Fluoroelastomer	Fluoroelastomer	D05388	241657	246946
	D54911	D44911	D5D911	D4D911	Polypropylene	PTFE	PTFE	D05911	241657	246946
	D54966	D44966	D5D966	D4D966	Polypropylene	Santoprene	Santoprene	D05966	241657	246946

* Requires CycleFlo or external valve control

** Air control includes air regulator and filter with gauge (see drawing on page 19)

Husky 716 Metal Pumps

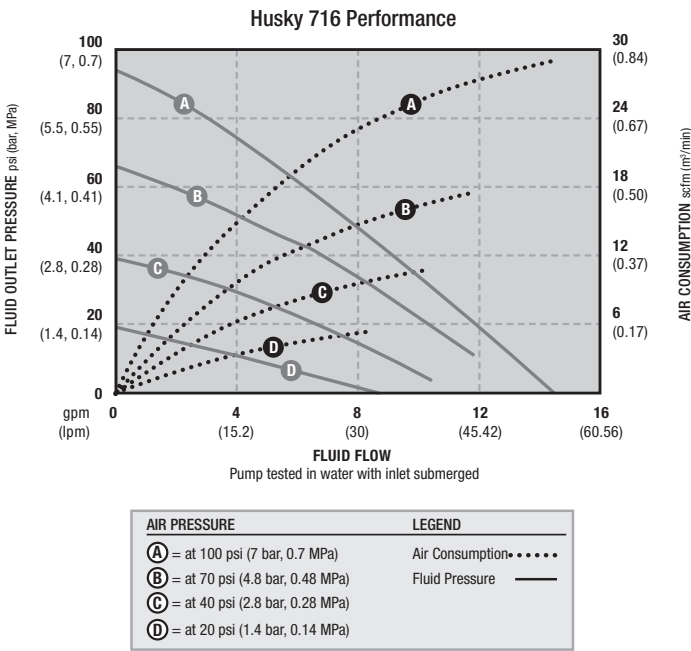


Technical Specifications

Husky 716 Metal Pumps	Aluminum	Stainless Steel
Maximum fluid working pressure	100 psi (7 bar, 0.7 MPa)	100 psi (7 bar, 0.7 MPa)
Maximum free flow delivery*	16 gpm (61 lpm)	16 gpm (61 lpm)
Maximum pump speed	400 cpm	400 cpm
Displacement per cycle**	0.04 gallon (0.15 liter)	0.04 gallon (0.15 liter)
Maximum suction lift	15 ft (4.5 m) dry	15 ft (4.5 m) dry
Maximum size pumpable solids	0.09 in (2.5 mm)	0.09 in (2.5 mm)
Maximum ambient operating temperature***	180°F (82°C)	180°F (82°C)
Maximum diaphragm operating temperature***	Refer to page 7	Refer to page 7
Typical sound level at 70 psi air (4.9 bar, 0.49 MPa) air @ 200 cpm	74 dBa	74 dBa
Maximum air consumption	28 scfm (0.672 m3/min)	28 scfm (0.672 m3/min)
Air pressure operating range	30 to 100 psi (2.1 to 7 bar, 0.21 to 0.7 MPa)	30 to 100 psi (2.1 to 7 bar, 0.21 to 0.7 MPa)
Air inlet size	1/4 npt(f)	1/4 npt(f)
Air exhaust port size	3/8 npt(f)	3/8 npt(f)
Fluid inlet & outlet size	3/4 npt(f) or bspt(f)	3/4 npt(f) or bspt(f)
Weight	8.5 lb (3.9 kg)	18 lb (8.2 kg)
Wetted parts (in addition to ball, seat and diaphragm materials—which may vary by pump)	Aluminum, Stainless Steel, PTFE, Buna-N, Santoprene, Zinc-Plated Steel	Acetal, Polypropylene, Stainless Steel, Polyester, Santoprene, Fluoroelastomer, Nickel-Plated Brass, Epoxy-Coated Steel
Instruction manual	308981	308981

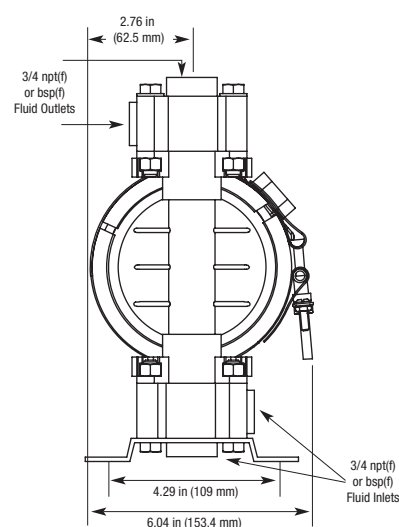
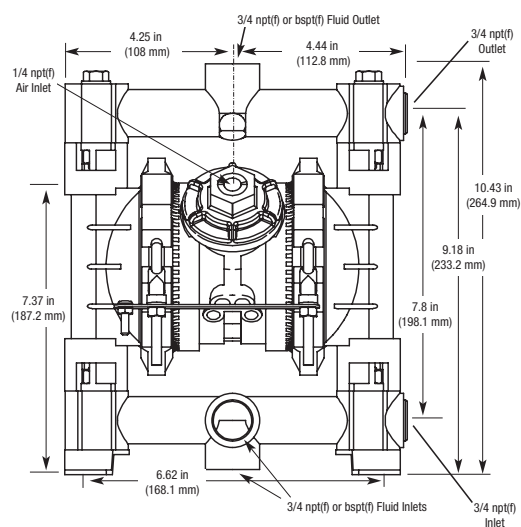
*Flow rates are with muffler and do not vary based on diaphragm material
 **Displacement per cycle may vary based on suction condition, discharge head, air pressure and fluid type
 ***Actual pump performance may be affected by prolonged usage at temperature

Performance Charts



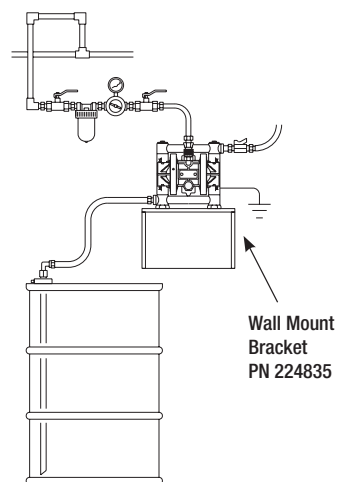
Husky 716 Metal Pumps

Dimensions

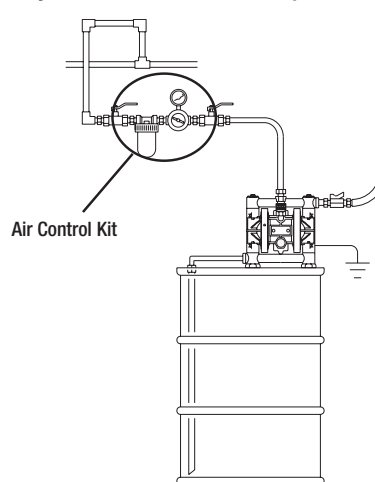


Typical System Drawings

Husky 716 Wall-Mount with Drum Feed



Husky 716 Drum-Mount with Siphon Feed

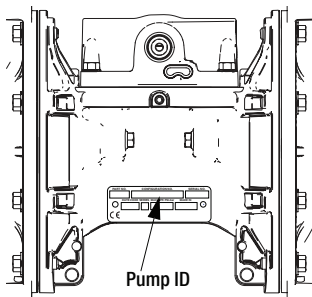


Husky 1050 Plastic Pumps

Air-Operated Double Diaphragm

Husky 1050 Selector Tool

To order a Husky 1050, use the online selector tool at www.graco.com/pumpselectors or contact your distributor.



NOTE: Options for seats, check balls, diaphragms, and seals vary for the 1050C, 1050F, 1050P, and pump models.



Example of Product Selector Tool on www.graco.com/pumpselectors.

Pump Configuration Options

Pump (1 inch ports, 50 gpm)	Center Section and Air Valve Material	Air Valve/Monitoring	Fluid Covers and Manifolds
C ★ Conductive Polypropylene 1050	Conductive Polypropylene	C01A Standard	C1 Conductive polypropylene, center flange
		C01B Pulse Count ✖	C2 Conductive polypropylene, end flange
		C01C DataTrak ✖	
		C01D Remote	
P Polypropylene 1050	Polypropylene	P01A Standard	P1 Polypropylene, center flange
		P01B Pulse Count ✖	P2 Polypropylene, end flange
		P01C DataTrak ✖	
		P01D Remote	
F PVDF 1050			F1 PVDF, center flange
			F2 PVDF, end flange

★, ‡, or ✖: See ATEX Certifications below.

Check Valve Seats	Check Valve Balls	Diaphragm	Manifold O-Rings
AC Acetal	AC Acetal	BN Buna-N	— None
FK FKM Fluoroelastomer	BN Buna-N	CO Polychloroprene Overmolded	PT PTFE
PP Polypropylene	FK FKM Fluoroelastomer	FK FKM Fluoroelastomer	
PV PVDF	PT PTFE	PO PTFE/EPDM Overmolded	
SP Santoprene®	SP Santoprene	PT PTFE/EPDM Two-Piece	
SS 316 Stainless Steel	SS 316 Stainless Steel	SP Santoprene	
BN Buna-N	TP TPE	TP TPE	
AL Aluminum	GE Geolast	GE Geolast	
GE Geolast	CR Polychloroprene		
TP TPE	CW Polychloroprene w/SST Core		

ATEX Certifications

★ All Conductive Polypropylene 1050 pumps are certified:



✖ DataTrak and Pulse Count are certified:



EEx ia IIA T3
Nemko
06ATEX1124

Husky 1050 Plastic Pumps

Popular Models

Material	Part Number Standard Air Valve	Materials for Seats	Materials for Balls	Materials for Diaphragms	Air Valve Replacement Kit	Seat Kit	Ball Kit	Diaphragm Kit	Flange
Polypropylene	649001	Polypropylene	Santoprene	Santoprene	24B768	24B635	24B646	24B628	Center
	649006	Polypropylene	PTFE	PTFE/EPDM 2 Piece	24B768	24B635	24B645	24B627	Center
	649034	Polypropylene	PTFE	PTFE/EPDM 2 Piece	24B768	24B635	24B645	24B627	End
Conductive Polypropylene	649218	Acetal	PTFE	PTFE/EPDM 2 Piece	24B768	24B630	24B645	24B627	End
	649211	316 SST	PTFE	PTFE/EPDM 2 Piece	24B768	24B637	24B645	24B627	End
PVDF	649392	316 SST	PTFE	PTFE/EPDM 2 Piece	24B768	24B637	24B645	24B627	End
	649398	PVDF	PTFE	PTFE/EPDM 2 Piece	24B768	24C721	24B645	24B627	End



Technical Specifications

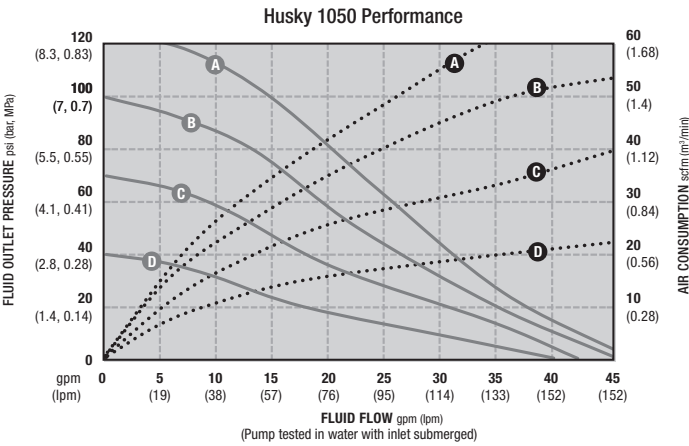
Husky 1050 Plastic Pumps	Conductive Polypropylene	Polypropylene	PVDF
Maximum fluid working pressure	125 psi (8.6 bar, 0.86 MPa)	125 psi (8.6 bar, 0.86 MPa)	125 psi (8.6 bar, 0.86 MPa)
Maximum free flow delivery	50 gpm (189 lpm)	50 gpm (189 lpm)	50 gpm (189 lpm)
Maximum pump speed	280 cpm	280 cpm	280 cpm
Displacement per cycle	0.17 gal (0.64 liters)	0.17 gal (0.64 liters)	0.17 gal (0.64 liters)
Maximum suction lift	16 ft (4.9 m) dry, 29 ft (8.8 m) wet	16 ft (4.9 m) dry, 29 ft (8.8 m) wet	16 ft (4.9 m) dry, 29 ft (8.8 m) wet
Maximum size pumpable solids	1/8 in (3.2 mm)	1/8 in (3.2 mm)	1/8 in (3.2 mm)
Sound Power* at 70 psi (4.8 bar, 0.48 MPa) and 50 cpm at 100 psi (7.0 bar, 0.7 MPa) and full flow	78 dBa 90 dBa	78 dBa 90 dBa	78 dBa 90 dBa
Sound Pressure** at 70 psi (4.8 bar, 0.48 MPa) and 50 cpm at 100 psi (7.0 bar, 0.7 MPa) and full flow	84 dBa 96 dBa	84 dBa 96 dBa	84 dBa 96 dBa
Maximum air consumption	67 scfm	67 scfm	67 scfm
Air consumption at 70 psi (4.8 bar, 0.48 MPa), 20 gpm (76 lpm)	25 scfm	25 scfm	25 scfm
Air pressure operating range	20-125 psi (1.4-8.6 bar, 0.14-0.86 MPa)	20-125 psi (1.4-8.6 bar, 0.14-0.86 MPa)	20-125 psi (1.4-8.6 bar, 0.14-0.86 MPa)
Air inlet size	1/2 npt(f)	1/2 npt(f)	1/2 npt(f)
Fluid inlet size	1 in raised face ANSI/DIN flange	1 in raised face ANSI/DIN flange	1 in raised face ANSI/DIN flange
Fluid outlet size	1 in raised face ANSI/DIN flange	1 in raised face ANSI/DIN flange	1 in raised face ANSI/DIN flange
Weight	18 lb (8.2 kg)	18 lb (8.2 kg)	26 lb (11.8 kg)
Wetted parts	polypropylene and material(s) chosen for seat, ball, and diaphragm options	polypropylene and material(s) chosen for seat, ball, and diaphragm options	PVDF and material(s) chosen for seat, ball, and diaphragm options
Non-wetted Parts Center Bolts	polypropylene stainless steel	polypropylene stainless steel	polypropylene stainless steel
Instruction manual	312877	312877	312877
Repair/parts manual	313435	313435	313435

* Sound power measured per ISO-9614-2.

** Sound pressure was tested 3.28 ft (1 m) from equipment.

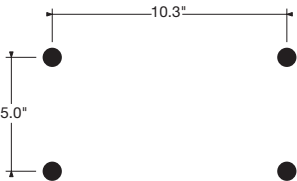
Husky 1050 Plastic Pumps

Performance Charts

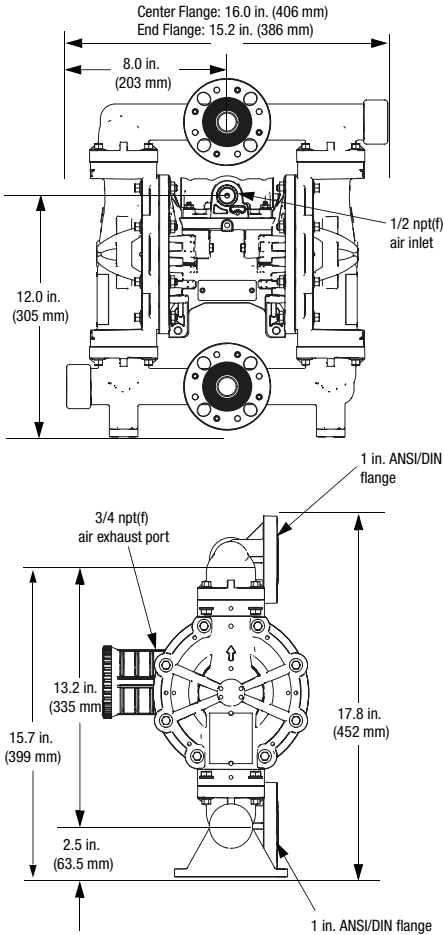


AIR PRESSURE	LEGEND
(A) = at 125 psi (8.3 bar, 0.83 MPa)	Air Consumption.....
(B) = at 100 psi (7 bar, 0.7 MPa)	Fluid Pressure ———
(C) = at 70 psi (4.8 bar, 0.48 MPa)	
(D) = at 40 psi (2.8 bar, 0.28 MPa)	

Mounting Pattern

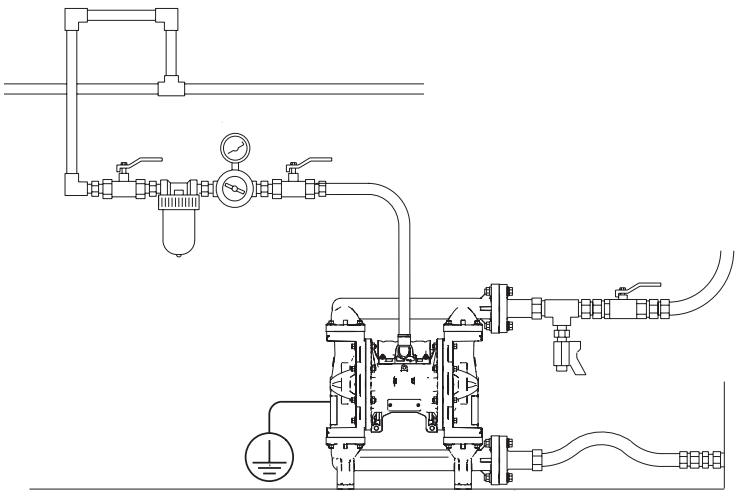


Dimensions



Typical System Drawings

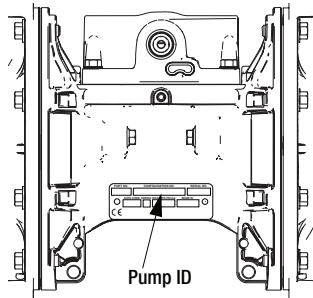
Husky 1050 Floor-Mount



Husky 1050 Metal Pumps Air-Operated Double Diaphragm

Husky 1050 Selector Tool

To order a Husky 1050, use the online selector tool at
www.graco.com/pumpselectors or contact your distributor.



NOTE: Options for seats, check balls, diaphragms, and seals vary for the 1050A, 1050H, and 1050S pump models.

The screenshot shows the Graco Husky 1050 online selector tool. It includes a navigation bar with links like Home, Products & Solutions, Where to Buy, Support, Contact Us, About Graco, and Investors. The main section is titled 'Husky Air-Operated Double Diaphragm Pumps'. It features a list of configuration options with dropdown menus for: Certification Required (ATEX), Pump Inlet/Outlet Size (1/2 inch (2 ports)), Fluid Covers and Manifolds (Aluminum), Center Section and Air Valve (Aluminum Standard Air Valve with Buna Seals), Porting (Aluminum Standard Porting Inlet (NPT)), Seats (Aluminum), Balls (Buna), Diaphragms (Cetal), and Manifold O-Rings (PTFE). A 'Graco Part Number: 647966' is displayed, along with a 'Replacement Kits' section. At the bottom, there is a field for 'Order number reverse look-up' and a 'Find' button.

Example of Product Selector Tool on www.graco.com/pumpselectors.

Pump Configuration Options

Pump (1 inch ports, 50 gpm)	Center Section and Air Valve Material	Air Valve/Monitoring	Fluid Covers and Manifolds
A ★ Aluminum 1050 S ‡ Stainless Steel 1050 H Hastelloy 1050	Aluminum	A01 Standard	A1 Aluminum, standard ports, NPT
		A01B Pulse Count ✖	A2 Aluminum, standard ports, BSPT
		A01C DataTrak ✖	S1 Stainless steel, standard ports, NPT
		A01D Remote	S2 Stainless steel, standard ports, BSPT
		A01E Standard	H1 Hastelloy, standard ports, NPT
		AC1A Natural Gas	H2 Hastelloy, standard ports, BSPT
	Conductive Polypropylene	C01A Standard	
		C01B Pulse Count ✖	
		C01C DataTrak ✖	
		C01D Remote	
	Polypropylene	P01A Standard	
		P01B Pulse Count ✖	
		P01C DataTrak ✖	
		P01D Remote	

★, ‡, or ✖: See ATEX Certifications below.

Check Valve Seats	Check Valve Balls	Diaphragm	Manifold O-Rings
AC Acetal	AC Acetal	BN Buna-N	— None
AL Aluminum	BN Buna-N	CO Polychloroprene Overmolded	PT PTFE
BN Buna-N	CR Polychloroprene Standard	FK FKM Fluoroelastomer	
FK FKM Fluoroelastomer	CW Polychloroprene Weighted	GE Geolast	
GE Geolast®	FK FKM Fluoroelastomer	PO PTFE/EPDM Overmolded	
PP Polypropylene	GE Geolast	PT PTFE/EPDM Two-Piece	
SP Santoprene®	PT PTFE	SP Santoprene	
SS 316 Stainless Steel	SP Santoprene	TP TPE	
TP TPE	SS 316 Stainless Steel		
PV PVDF	TP TPE		

ATEX Certifications

★ All Aluminum 1050 pumps are certified:



‡ Stainless Steel pumps with aluminum or conductive polypropylene centers are certified:



✖ DataTrak and Pulse Count are certified:



EEx ia IIA T3
Nemko
06ATEX1124



CONFORMS TO
CSA/AM ANSI STD LC 6
CERTIFIED TO
CSA STD T.I.L. NO. R-14
GRACO INC.
P.O. Box 1441 Mpls, MN
55440 U.S.A.

Husky 1050 Metal Pumps

Popular Models

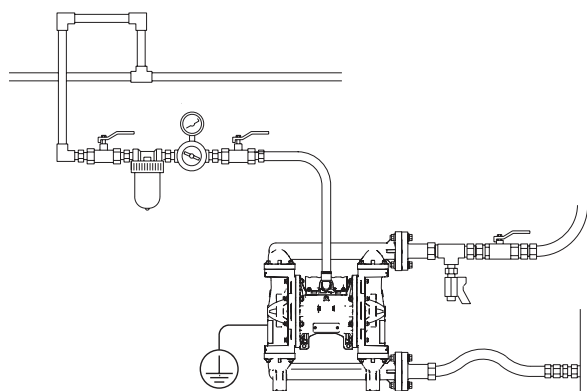
Material	Part Number		Outlet Orientation	Porting	Materials for Seats	Materials for Balls	Materials for Diaphragms	Air Valve Replacement Kit	Seat Kit	Ball Kit	Diaphragm Kit
	Standard Air Valve	Remote Air Valve									
Aluminum	647666	647502	Multi Port	NPT	Thermoplastic Polyester Elastomer	Acetal	Thermoplastic Polyester Elastomer	24B766	24B634	24B639	24B624
	647075	647561	Multi Port	NPT	Acetal	PTFE	PTFE/EPDM 2 Piece	24B766	24B630	24B645	24B627
	647040	647526	Multi Port	NPT	Geolast	Geolast	Geolast	24B766	24B633	24B641	24B623
	647035	647521	Multi Port	NPT	Santoprene	Santoprene	Santoprene	24B766	24B636	24B646	24B628
	647028	647514	Multi Port	NPT	316 SST	PTFE	PTFE/EPDM 2 Piece	24B766	24B637	24B645	24B627
	647004	647490	Multi Port	NPT	Polypropylene	PTFE	PTFE/EPDM 2 Piece	24B766	24B635	24B645	24B627
	647018	647504	Multi Port	NPT	316 SST	316 SST	PTFE/EPDM 2 Piece	24B766	24B637	24B647	24B627
	647043*		Multi Port	NPT	Buna-N	Buna-N	Buna-N	25C296	24B638	34B648	24B629
	647124*		Multi Port	BSPT	Buna-N	Buna-N	Buna-N	25C296	24B638	24B648	24B629
	647047*		Multi Port	NPT	FKM	FKM	FKM	25C296	24B630	24B640	24B622
Stainless Steel	647128*		Multi Port	BSPT	FKM	FKM	FKM	25C296	24B632	24B640	24B622
	651009	651125	Multi Port	NPT	316 SST	PTFE	PTFE/EPDM 2 Piece	24B766	24B637	24B645	24B627
	651506**		Center/Horizontal	Flange	316 SST	PTFE	PTFE	27B768	24B637	24B647	24B627
	651531**		Center/Vertical	Flange	316 SST	PTFE	PTFE	24B768	24B637	24B647	24B627
	651508**		Center/Horizontal	Flange	316 SST	Santoprene	PTFE	24B768	24B637	24B647	24B628
Hastelloy	651533**		Center/Vertical	Flange	316	Santoprene	PTFE	24B768	24B637	24B647	24B628
	651440		End	NPT	FKM	PTFE	PTFE/EPDM 2 Piece	24B768	24B638	24B645	24B627

*Aluminum body with Natural Gas operation capabilities.

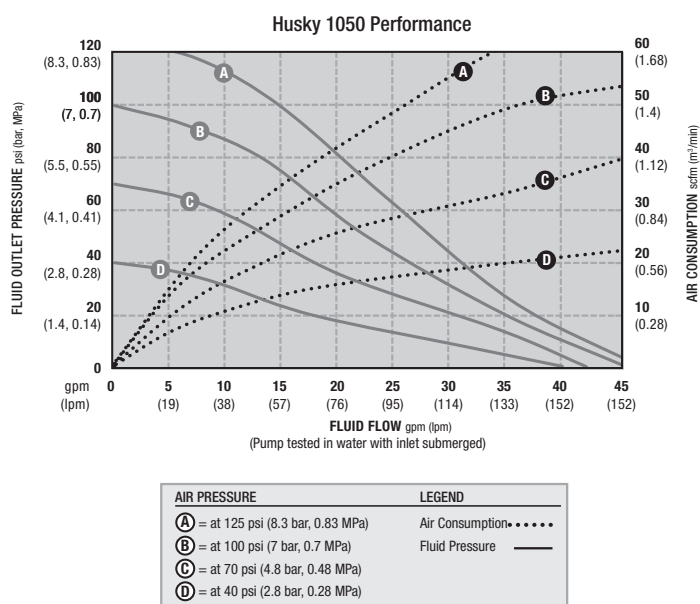
**All stainless steel flange models have a fixed center inlet.

Typical System Drawings

Husky 1050 Floor-Mount



Performance Charts



Husky 1050 Metal Pumps

Technical Specifications

Husky 1050 Metal Pumps	Aluminum	Stainless Steel		Hastelloy
Maximum fluid working pressure	125 psi (8.6 bar, 0.86 MPa)	125 psi (8.6 bar, 0.86 MPa)		125 psi (8.6 bar, 0.86 MPa)
Natural gas operated pump models	120 psi (8.3 bar, 0.83 MPa)			
Maximum free flow delivery	50 gpm (189 lpm)	50 gpm (189 lpm)		50 gpm (189 lpm)
Natural gas operated pump models	49 gpm (185 lpm)	n/a		n/a
Maximum pump speed	280 cpm	280 cpm		280 cpm
Natural gas operated pump models	275 cpm	n/a		n/a
Displacement per cycle	0.17 gal (0.64 liters)	0.17 gal (0.64 liters)		0.17 gal (0.64 liters)
Maximum suction lift	16 ft (4.9 m) dry, 29 ft (8.8 m) wet	16 ft (4.9 m) dry, 29 ft (8.8 m) wet		16 ft (4.9 m) dry, 29 ft (8.8 m) wet
Maximum size pumpable solids	1/8 in (3.2 mm)	1/8 in (3.2 mm)		1/8 in (3.2 mm)
Sound Power* at 70 psi (4.8 bar, 0.48 MPa) and 50 cpm at 100 psi (7.0 bar, 0.7 MPa) and full flow	78 dBA 90 dBA	78 dBA 90 dBA		78 dBA 90 dBA
Sound Pressure** at 70 psi (4.8 bar, 0.48 MPa) and 50 cpm at 100 psi (7.0 bar, 0.7 MPa) and full flow	84 dBA 96 dBA	84 dBA 96 dBA		84 dBA 96 dBA
Maximum air consumption	67 scfm	67 scfm		67 scfm
Maximum gas consumption	67 scfm	n/a		n/a
Air consumption at 70 psi (4.8 bar, 0.48 MPa), 20 gpm (76 lpm)	25 scfm	25 scfm		25 scfm
Natural gas consumption at 70 psi (4.8 bar, 0.48 MPa), 20 gpm (76 lpm)	25 scfm	n/a		n/a
Air pressure operating range	20-125 psi (1.4-8.6 bar, 0.14-0.86 MPa)	20-125 psi (1.4-8.6 bar, 0.14-0.86 MPa)		20-125 psi (1.4-8.6 bar, 0.14-0.86 MPa)
Gas pressure operating range	20-120 psi (1.4-8.3 bar, 0.14-0.83 MPa)	n/a		n/a
Air inlet size	1/2 npt(f)	1/2 npt(f)		1/2 npt(f)
Gas inlet size	1/2 npt(f)	n/a		n/a
Fluid inlet size	1 in npt(f) or 1 in bspt	1 in npt(f) or 1 in bspt		1 in npt(f) or 1 in bspt
Fluid outlet size	1 in npt(f) or 1 in bspt	1 in npt(f) or 1 in bspt		1 in npt(f) or 1 in bspt
Weight	23 lb (10.5 kg)	with conductive polypropylene center with polypropylene center with aluminum center	36.3 lb (16.5 kg) 37.3 lb (16.9 kg) 41.4 lb (18.8 kg)	41 lb (18.6 kg)
Wetted parts	aluminum and material(s) chosen for seat, ball, and diaphragm options	stainless steel and material(s) chosen for seat, ball, and diaphragm options		hastelloy, stainless steel and material(s) chosen for seat, ball, and diaphragm options
Non-wetted Parts Center Bolts	aluminum coated carbon steel	polypropylene stainless steel	aluminum stainless steel	polypropylene stainless steel
Instruction manual	312877	312877		312877
Natural gas instruction manual	313598	n/a		n/a
Repair/parts manual	313435	313435		313435
Natural gas repair/parts manual	313435	n/a		n/a

* Sound power measured per ISO-9614-2. ** Sound pressure was tested 3.28 ft (1 m) from equipment.



Aluminum Standard Porting



Stainless Steel Forward Flange



Stainless Steel
Standard Porting



Stainless Steel Vertical Flange

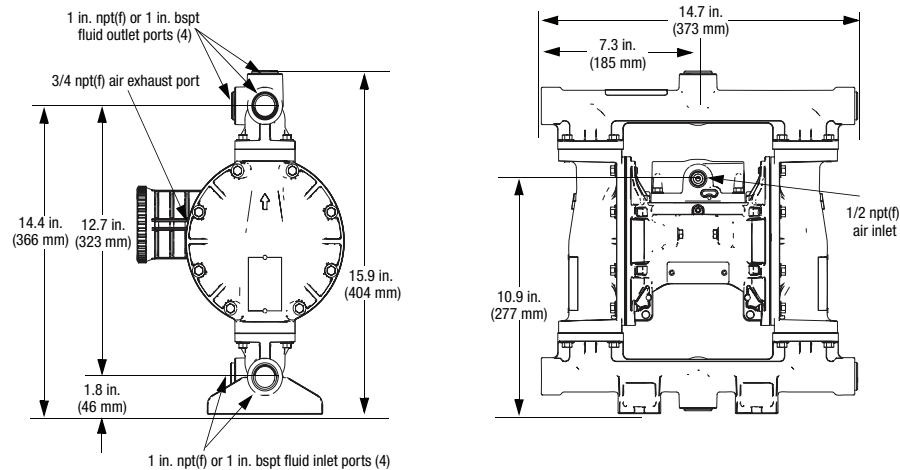


Hastelloy Standard Porting

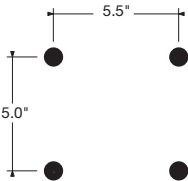
Husky 1050 Metal Pumps

Dimensions

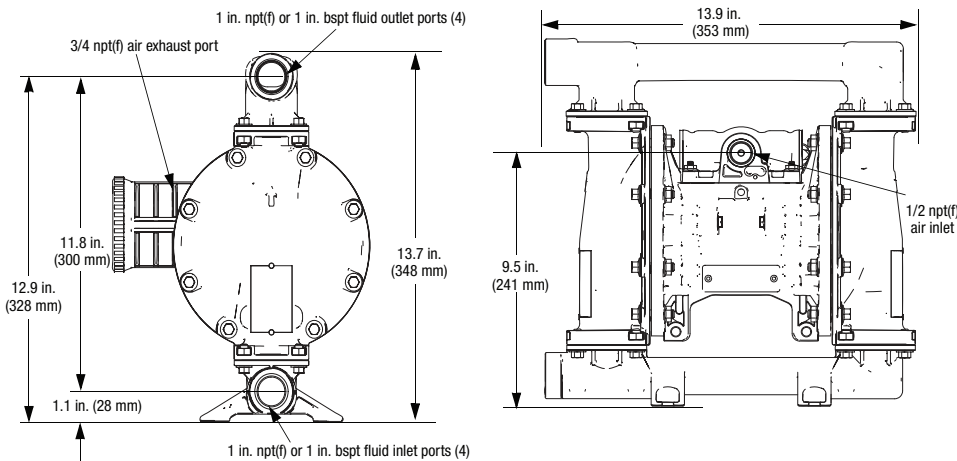
Aluminum



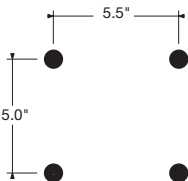
Mounting Pattern



Stainless Steel and Hastelloy



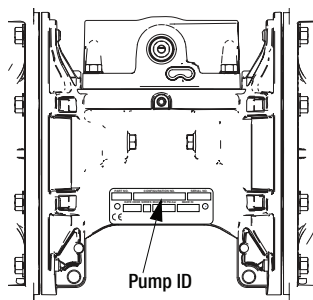
Mounting Pattern



Husky 1050HP Metal Pumps High Pressure Air-Operated Diaphragm

Husky 1050HP Selector Tool

To order a Husky 1050HP, use the online selector tool at www.graco.com/pumpselectors or contact your distributor.



NOTE: Options for seats, check balls, diaphragms, and seals vary for pump models.



Example of Product Selector Tool on www.graco.com/pumpselectors.

Pump Configuration Options

Pump	Center Section and Air Valve Material		Air Valve	Manifolds	
1050HP Aluminum	Aluminum	A01A	Standard	A1 A2 S1 S2	Aluminum, Standard Ports, NPT Aluminum, Standard Ports, BSPT Stainless Steel, Standard Ports, NPT Stainless Steel, Standard Ports, BSPT

Check Valve Seats		Check Valve Balls		Diaphragm Material		Manifold O-Rings	
SS	316 Stainless Steel	CW	Santoprene	BN	Santoprene	PT	PTFE
SP	Santoprene	GE	Geolast	CO	Polychloroprene Overmolded		
GE	Geolast	SP	Santoprene	PT	PTFE/Santoprene Two-Piece		
		SS	316 Stainless Steel	SP	Santoprene		

Husky 1050HP Metal Pumps

Popular Models

Part No.	Seat	Ball	Fluid Diaphragm	Center Diaphragm	Fluid Covers	Fluid Manifold	Porting
24W756	Stainless Steel	Santoprene	Santoprene	Santoprene	Stainless Steel	Aluminum	NPT
24W757	Stainless Steel	Santoprene	Santoprene	Santoprene	Stainless Steel	Aluminum	BSPT
24W758	Stainless Steel	Santoprene	Santoprene	Santoprene	Stainless Steel	Stainless Steel	NPT
24W759	Stainless Steel	Santoprene	Santoprene	Santoprene	Stainless Steel	Stainless Steel	BSPT
24W762	Santoprene	Santoprene	Santoprene	Santoprene	Stainless Steel	Aluminum	NPT
24W763	Santoprene	Santoprene	Santoprene	Santoprene	Stainless Steel	Aluminum	BSPT
24W764	Geolast	Geolast	Buna-N	Santoprene	Stainless Steel	Aluminum	NPT
24W765	Geolast	Geolast	Buna-N	Santoprene	Stainless Steel	Aluminum	BSPT
24W766	Stainless Steel	Weighted Neoprene	Buna-N	Santoprene	Stainless Steel	Aluminum	NPT
24W767	Stainless Steel	Weighted Neoprene	Buna-N	Santoprene	Stainless Steel	Aluminum	BSPT
24W768	Stainless Steel	Weighted Neoprene	Neoprene Overmold	Santoprene	Stainless Steel	Aluminum	NPT
24W769	Stainless Steel	Weighted Neoprene	Neoprene Overmold	Santoprene	Stainless Steel	Aluminum	BSPT
24X388	Stainless Steel	Stainless Steel	2-piece PTFE/Santoprene	Santoprene	Stainless Steel	Stainless Steel	NPT
24X389	Stainless Steel	Stainless Steel	2-piece PTFE/Santoprene	Santoprene	Stainless Steel	Stainless Steel	BSPT



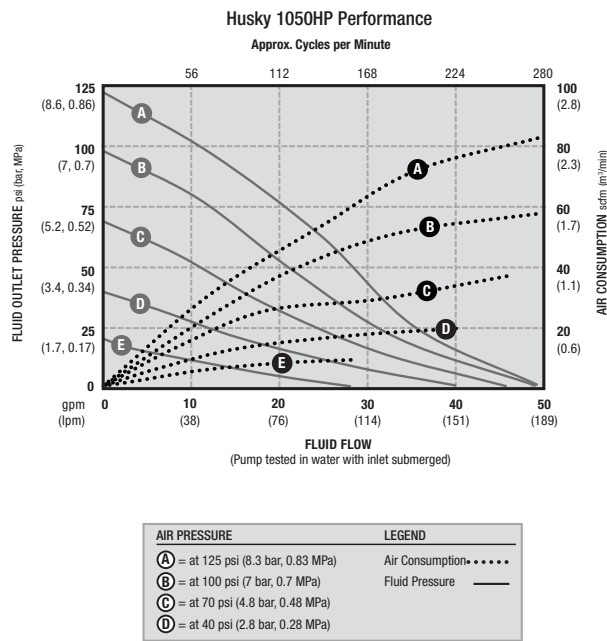
Technical Specifications

Maximum fluid working pressure	250 psi (14 bar, 1.4 MPa)
Air pressure operating range	20-125 psi (1.4-6.9 bar, 0.14-0.69 MPa)
Fluid displacement per cycle	
Low Pressure Setting	0.17 gal (0.64 l)
High Pressure Setting	0.20 gal (0.76 l)
Air consumption at 70 psi (4.8 bar), 20 gpm (76 lpm)	
Low Pressure Setting	.26 scfm (0.7 m3/min)
High Pressure Setting	.51 scfm (1.4 m3/min)
Maximum values with water as media under submerged inlet conditions at ambient temperature:	
Maximum air consumption	
Low Pressure Setting	.59 scfm (1.7 m3/min)
High Pressure Setting	.95 scfm (2.7 m3/min)
Maximum free-flow delivery	
Low Pressure Setting	50 gpm (189 lpm)
High Pressure Setting	46 gpm (174 lpm)
Maximum pump speed	
Low Pressure Setting	280 cpm
High Pressure Setting	225 cpm
Maximum suction lift*	
Dry	.16 ft (4.9 m)
Wet	.29 ft (8.8 m)
Maximum size pumpable solids	1/8 in (3.2 mm)
Recommended cycle rate for continuous use	.93-140 cpm (in Low or High setting)
Air inlet size	3/4 npt(f)
Fluid inlet size	1 in npt(f) or bspt
Fluid outlet size	1 in npt(f) or bspt
Weight	
Aluminum manifolds	48 lb (21.8 kg)
SST manifolds	60 lb (27.2 kg)
Wetted parts	aluminum or stainless steel plus the material(s) chosen for seat, ball, and diaphragm options
Non-wetted external parts	aluminum, coated carbon steel, sst

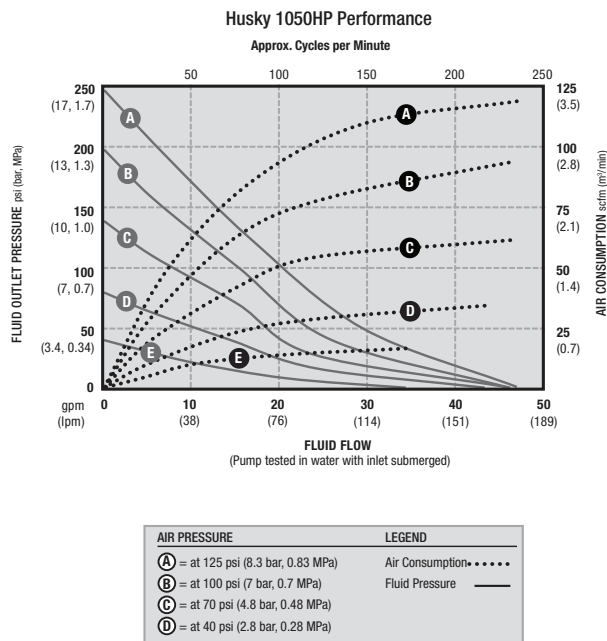
*Varies based on ball/seat selection and wear, operating speed, material properties, and other variables

Performance Charts

Low Pressure Setting

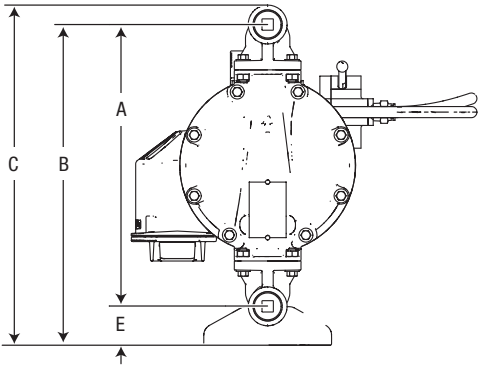


High Pressure Setting



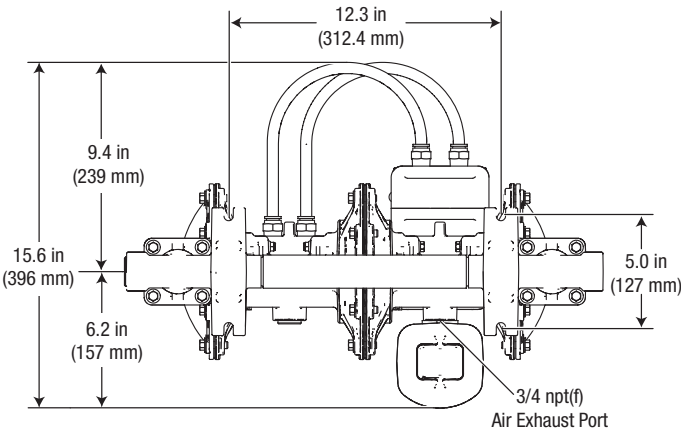
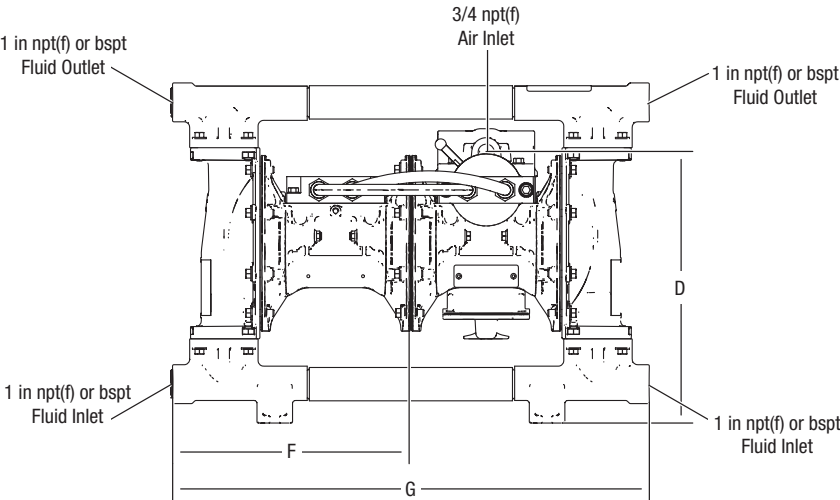
Husky 1050HP Metal Pumps

Dimensions



Key	Aluminum	SST
A	12.7 in (323 mm)	11.8 in (300 mm)
B	14.4 in (366 mm)	12.9 in (328 mm)
C	15.3 in (389 mm)	13.7 in (348 mm)
D	10.9 in (277 mm)	9.5 in (241 mm)
E	1.8 in (46 mm)	1.1 in (28 mm)
F	10.8 in (274 mm)	10.7 in (272 mm)
G	21.5 in (546 mm)	20.6 in (523 mm)

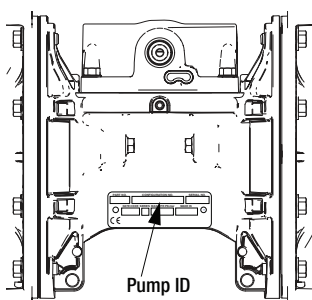
All dimensions are approximate



Husky 1590 Plastic Pumps Air-Operated Double Diaphragm

Husky 1590 Selector Tool

To order a Husky 1590, use the online selector tool at www.graco.com/pumpselectors or contact your distributor.



NOTE: Check the identification plate (ID) for the Configuration Number of your pump. Use the following matrix to define the components of your pump.



Example of Product Selector Tool on www.graco.com/pumpselectors.

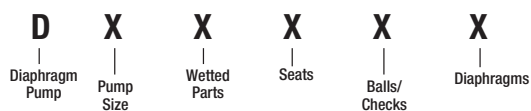
Pump Configuration Options

Pump (1.5 inch ports, 90 gpm)	Center Section and Air Valve Material	Air Valve/Monitoring	Fluid Covers and Manifolds
P Polypropylene 1590	Aluminum	A01A Standard w/Buna-N Seals	F2 PVDF, end flange
		A01D Remote w/ Buna-N Seals	
F PVDF 1590	Stainless Steel	S01A Standard	P2 Polypropylene, end flange
		S01D Remote	

Check Valve Seats		Check Valve Balls		Diaphragm		Manifold O-Rings	
BN	Buna-N	AC	Acetal	BN	Buna-N	—	None
FK	Fluoroelastomer	BN	Buna-N	FK	Fluoroelastomer	PT	PTFE
GE	Geolast	FK	Fluoroelastomer	GE	Geolast		
PP	Polypropylene	GE	Geolast	PT	PTFE/EPDM Two-Piece		
PV	PVDF	PT	PTFE	PO	PTFE Overmolded		
SA	17-4 Stainless Steel	SD	440C Stainless Steel	SP	Santoprene		
SP	Santoprene	SP	Santoprene	TP	TPE		
SS	316 Stainless Steel	TP	TPE				
TP	TPE						

Husky 1590 Plastic 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	2 = Poly (flange)	3 = Stainless Steel	1 = PTFE	1 = PTFE
C = 1-1/2" (38.1 mm) Remote: aluminum center section	5 = PVDF (flange)	4 = Hardened SST	2 = Acetal	5 = TPE
T = 1-1/2" (38.1 mm) Standard: stainless steel center section		5 = TPE	4 = Hardened SST	6 = Santoprene
U = 1-1/2" (38.1 mm) Remote: stainless steel center section		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		

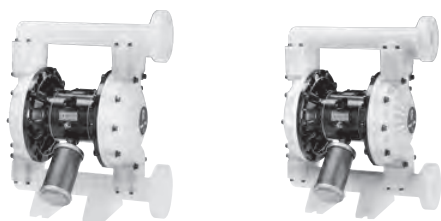
Popular Models

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	DB2311				Stainless Steel	PTFE	PTFE	D0C311	236273	246947
	DB2377	DC2377			Stainless Steel	Buna-N	Buna-N	D0C377	236273	246947
	DB2777	DC2777			Buna	Buna-N	Buna-N	D0C777	236273	246947
	DB2888	DC2888			Fluoroelastomer	Fluoroelastomer	Fluoroelastomer	D0C888	236273	246947
	DB2911	DC2911			Polypropylene	PTFE	PTFE	D0C911	236273	246947
	DB2955				Polypropylene	TPE	TPE	D0C955	236273	246947
	DB2966				Polypropylene	Santoprene	Santoprene	D0C966	236273	246947
	DB2977				Polypropylene	Buna-N	Buna-N	D0C977	236273	246947
	DB2988				Polypropylene	Fluoroelastomer	Fluoroelastomer	D0C988	236273	246947
	DB29GG	DC29GG			Polypropylene	Geolast	Geolast	D0C9GG	236273	246947
PVDF	DB5311				Stainless Steel	PTFE	PTFE	D0C311	236273	246947
	DB5666				Santoprene	Santoprene	Santoprene	D0C666	236273	246947
	DB5811	DC5911			Fluoroelastomer	PTFE	PTFE	D0C811	236273	246947
	DB5888	DC5888			Fluoroelastomer	Fluoroelastomer	Fluoroelastomer	D0C888	236273	246947
	DB5A11	DC5A11			PVDF	PTFE	PTFE	D0CA11	236273	246947
	DB5A88				PVDF	Fluoroelastomer	Fluoroelastomer	D0CA88	236273	246947

*Requires CycleFlo or external valve control

** Air control includes air regulator and filter with gauge

Husky 1590 Plastic Pumps



Technical Specifications

Husky 1590 Plastic Pumps	Polypropylene	PVDF
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 in (38.1 mm) ANSI-flange	1-1/2 in (38.1 mm) ANSI-flange
Weight	35 lb (16 kg)	49 lb (22 kg)
Weight with stainless steel center section	48.3 lb (21.9 kg)	62.3 lb (28.2 kg)
Instruction manual	308549	308549

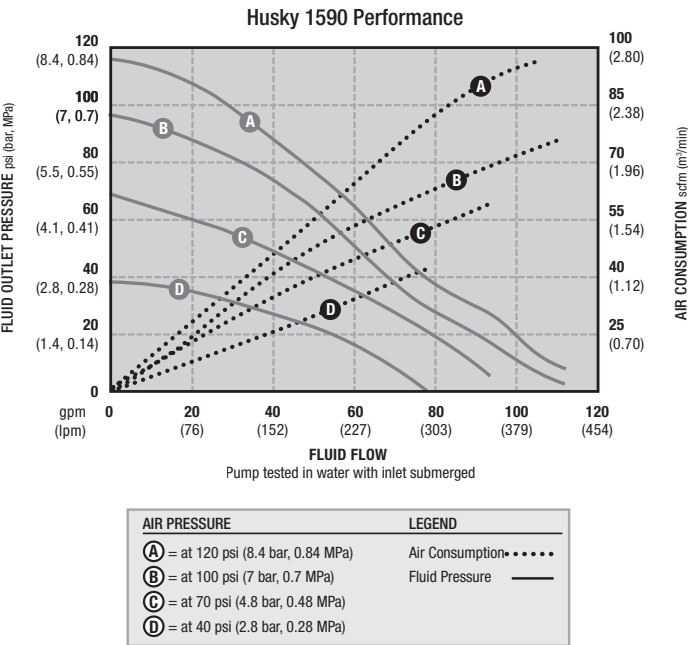
* Flow rates are with muffler and do not vary based on diaphragm material

** Displacement per cycle may vary based on suction condition, discharge head, air pressure and fluid type

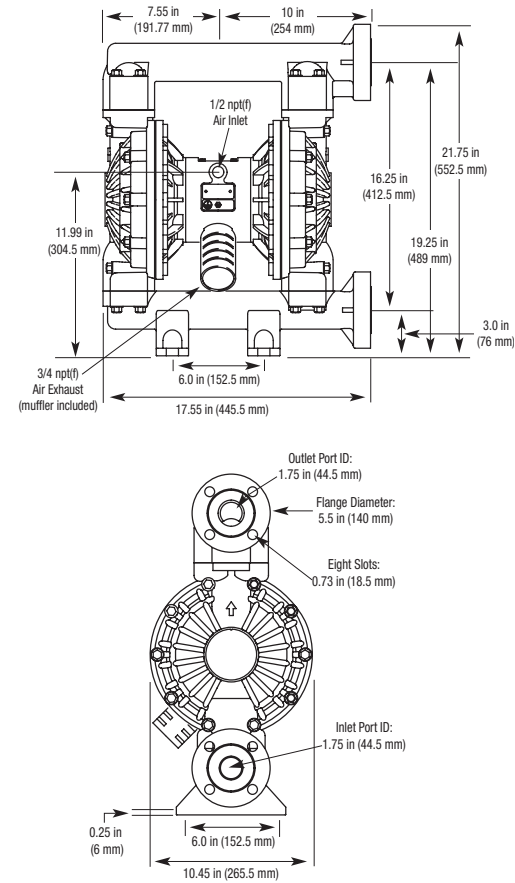
*** Actual pump performance may be affected by prolonged usage at temperature

Husky 1590 Plastic Pumps

Performance Charts

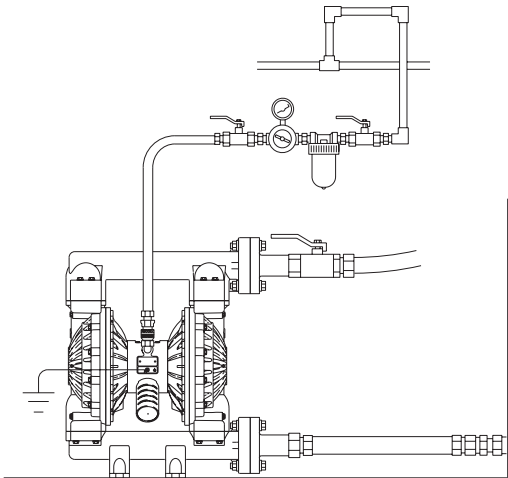


Dimensions



Typical System Drawings

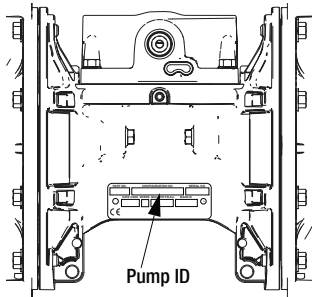
Husky 1590 Above Ground Gravity Feed



Husky 1590 Metal Pumps Air-Operated Double Diaphragm

Husky 1590 Selector Tool

To order a Husky 1590, use the online selector tool at www.graco.com/pumpselectors or contact your distributor.



NOTE: Check the identification plate (ID) for the Configuration Number of your pump. Use the following matrix to define the components of your pump.



Example of Product Selector Tool on www.graco.com/pumpselectors.

Pump Configuration Options

Pump (1.5 inch ports, 90 gpm)	Center Section and Air Valve Material	Air Valve/Monitoring	Fluid Covers and Manifolds
A ★ Aluminum 1590	Aluminum	A01A Standard	A1 Aluminum, standard ports, NPT
		A01D Remote	A2 Aluminum, standard ports, BSPT
		A01E Standard	S1 Stainless steel, standard ports, NPT
S ‡ Stainless Steel 1590	Stainless Steel	S01A Standard	S2 Stainless steel, standard ports, BSPT
		S01D Remote	

★, ‡, or ✕: See **ATEX Certifications** below.

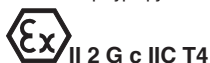
Check Valve Seats		Check Valve Balls		Diaphragm		Manifold O-Rings	
BN	Buna-N	AC	Acetal	BN	Buna-N	—	None
FK	Fluoroelastomer	BN	Buna-N	FK	Fluoroelastomer	PT	PTFE
GE	Geolast	FK	Fluoroelastomer	GE	Geolast		
PP	Polypropylene	GE	Geolast	PT	PTFE/EPDM Two-Piece		
PV	PVDF	PT	PTFE	SP	Santoprene		
SA	17-4 Stainless Steel	SD	440C Stainless Steel	TP	TPE		
SP	Santoprene	SP	Santoprene				
SS	316 Stainless Steel	TP	TPE				
TP	TPE						

ATEX Certifications

★ All Aluminum 1590 pumps are certified:



‡ Stainless Steel pumps with aluminum or conductive polypropylene centers are certified:

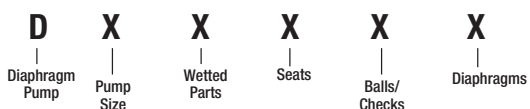


✕ DataTrak and Pulse Count are certified:

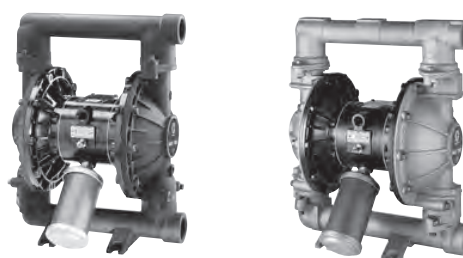


Husky 1590 Metal Pumps

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

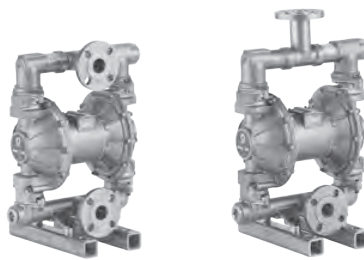
Husky 1590 Metal Pumps

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	D0B311	236273	246947	
	DB3341		DBC341		Hardened SST	Stainless Steel	PTFE	D0B331	236273	246947	
	DB3366	DC3366	DBC366	DCC366	Stainless Steel	Santoprene	Santoprene	D0B366	236273	246947	
	DB3377	DC3377	DBC377	DCC377	Stainless Steel	Buna-N	Buna-N	D0B377	236273	246947	
	DB3525	DC3525	DBC525	DCC525	TPE	Acetal	TPE	D0B525	236273	246947	
	DB3555		DBC555		TPE	TPE	TPE	D0B555	236273	246947	
	DB3666	DC3666	DBC666	DCC666	Santoprene	Santoprene	Santoprene	D0B666	236273	246947	
	DB3777	DC3777	DBC777	DCC777	Buna-N	Buna-N	Buna-N	D0B777	236273	246947	
	DB3888	DC3888	DBC888	DCC888	Fluoroelastomer	Fluoroelastomer	Fluoroelastomer	D0B888	236273	246947	
	DB3GGG	DC3GGG	DBC6GG	DCC6GG	Geolast	Geolast	Geolast	D0BGGG	236273	246947	
	DB3911		DBC911		Polypropylene	PTFE	PTFE	D0B911	236273	246947	
	DB3977		DBC977		Polypropylene	Buna-N	Buna-N	D0B977	236273	246947	
	Stainless Steel	DB4311	DC4311	DBD311	DCD311	Stainless Steel	PTFE	PTFE	D0B311	236273	246947
		DB4341		DBD341		Stainless Steel	Hardened SST	PTFE	D0B341	236273	246947
DB4377		DC4377	DBD377	DCD377	Stainless Steel	Buna-N	Buna-N	D0B377	236273	246947	
DB4525			DBD525		TPE	Acetal	TPE	D0B525	236273	246947	
DB4666		DC4666	DBD666	DCD666	Santoprene	Santoprene	Santoprene	D0B666	236273	246947	
DB4777		DC4777	DBD777	DCD777	Buna-N	Buna-N	Buna-N	D0B777	236273	246947	
DB4888		DC4888	DBD888	DCD888	Fluoroelastomer	Fluoroelastomer	Fluoroelastomer	D0B888	236273	246947	
DB4GGG		DC4GGG	DBDGGG	DCDGGG	Geolast	Geolast	Geolast	D0BGGG	236273	246947	
DB4911			DBD911		Polypropylene	PTFE	PTFE	D0B911	236273	246947	
Corrosion Resistant Pumps with Stainless Steel Center Section											
Stainless Steel	DT4311	DU4311	DTD311	DUD311	Stainless Steel	PTFE	PTFE	D0B311	255061	246947	
	DT4377	DU4377	DTD377	DUD377	Stainless Steel	Buna-N	Buna-N	D0B377	255061	246947	
	DT4388	DU4388	DTD388	DUD388	Stainless Steel	Fluoroelastomer	Fluoroelastomer	D0B388	255061	246947	
	DT4666	DU4666	DTD666	DUD666	Santoprene	Santoprene	Santoprene	D0B666	255061	246947	
	DT4888	DU4888	DTD888	DUD888	Fluoroelastomer	Fluoroelastomer	Fluoroelastomer	D0B888	255061	246947	
	DT4911	DU4911	DTD911	DUD911	Polypropylene	PTFE	PTFE	D0B911	255061	246947	

*Requires CycleFlo or external valve control

** Air control includes air regulator and filter with gauge



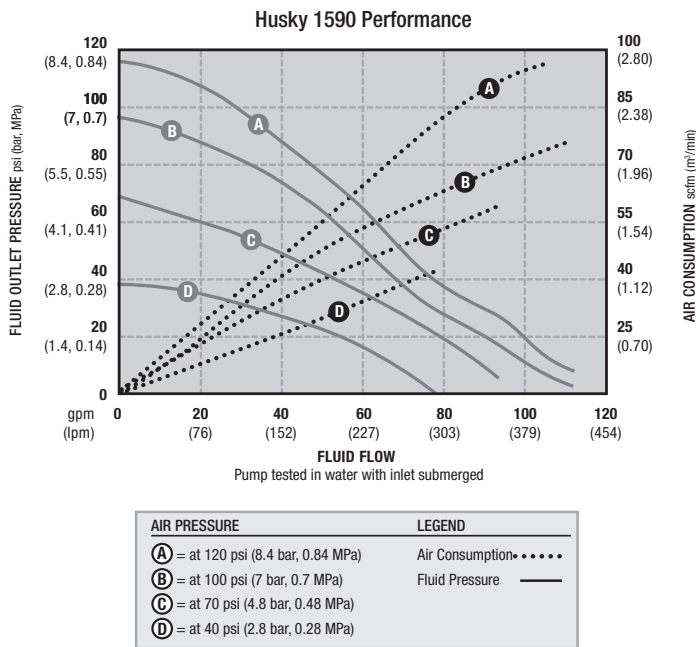
Stainless Steel Flange Models*

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	D0B300	D0B010	253627
25C656	Vertical	Stainless Steel	PTFE	Overmolded PTFE	236273	D0B300	D0B010	253627
DBR311	Horizontal	Stainless Steel	PTFE	PTFE	236273	D0B300	D0B010	D0B001
DBP311	Vertical	Stainless Steel	PTFE	PTFE	236273	D0B300	D0B010	D0B001
DBR366	Horizontal	Stainless Steel	Santoprene	Santoprene	236273	D0B300	D0B060	D0B006
DBP366	Vertical	Stainless Steel	Santoprene	Santoprene	236273	D0B300	D0B060	D0B006

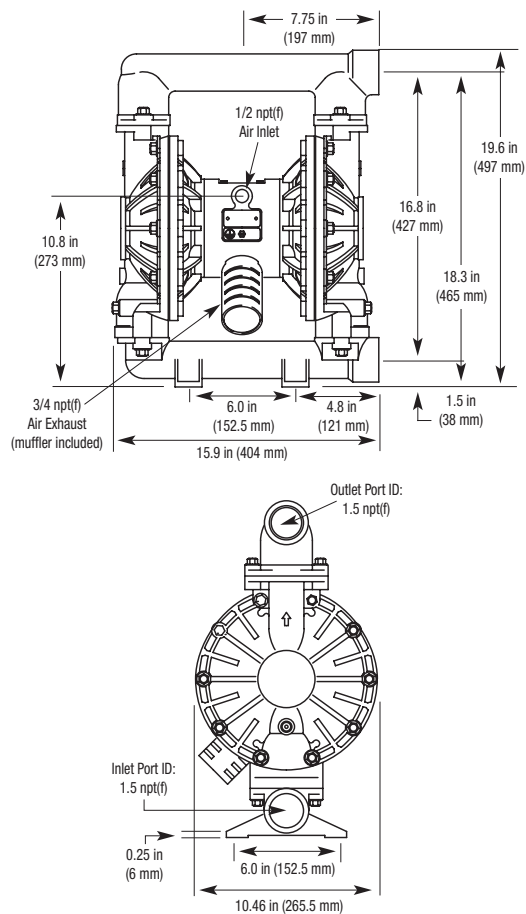
*All stainless steel flange models have a fixed center inlet.

Husky 1590 Metal Pumps

Performance Charts



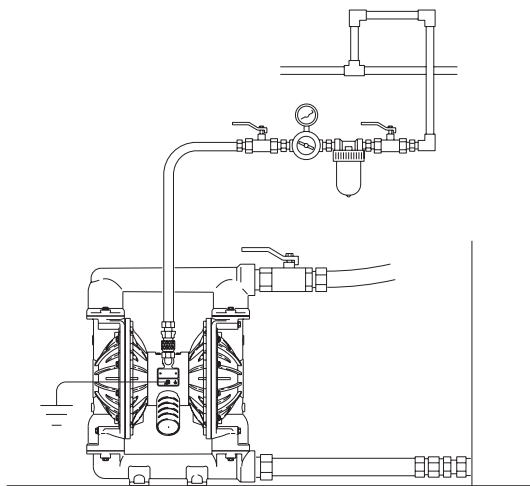
Dimensions



Refer to manual 308441 for additional dimensions

Typical System Drawings

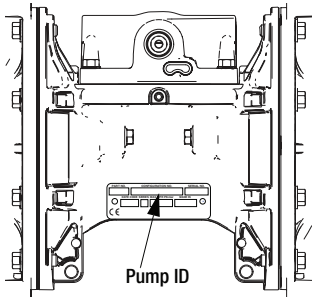
Husky 1590 Above Ground Gravity Feed



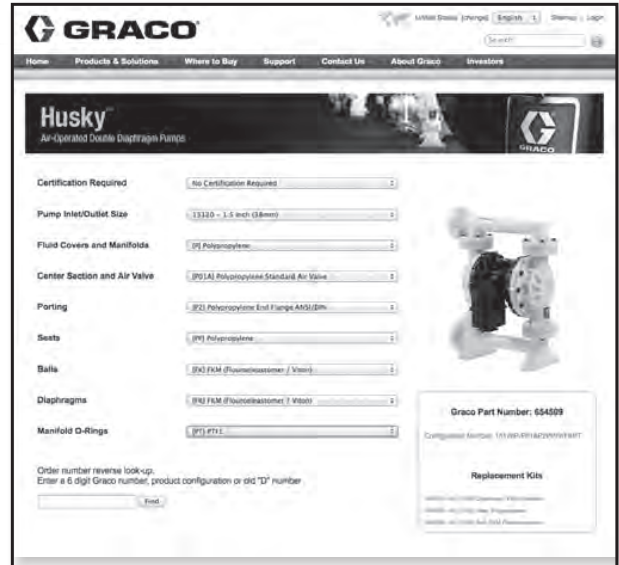
Husky 15120 Plastic Pumps Air-Operated Double Diaphragm

Husky 15120 Selector Tool

To order a Husky 15120, use the online selector tool at www.graco.com/pumpselectors or contact your distributor.



NOTE: Check the identification plate (ID) for the Configuration Number of your pump. Use the following matrix to define the components of your pump.



Example of Product Selector Tool on www.graco.com/pumpselectors.

Pump Configuration Options

Pump (1.5 inch ports, 120 gpm)	Center Section and Air Valve Material	For Use With	Fluid Covers and Manifolds
15120P Polypropylene	Polypropylene P01A	Standard Diaphragms	P1 Polypropylene, Center Flange, ANSI/DIN
15120F PVDF	Polypropylene P01G	Overmolded Diaphragms	P2 Polypropylene, End Flange, ANSI/DIN F2 PVDF, End Flange, ANSI/DIN

Seat Material	Ball Material	Diaphragm Material	Manifold/Seat Seal Material
PP Polypropylene	FK FKM	FK FKM Fluoroelastomer	PT PTFE
PV PVDF	PT PTFE	PO PTFE/EPDM Overmolded	
SP Santoprene®	SP Santoprene	PT PTFE/Santoprene Two-Piece	
SS 316 Stainless Steel		SP Santoprene	

Husky 15120 Plastic Pumps

Popular Models

Part Number	Air Section	Fluid Section	Porting	Seat	Ball	Diaphragm	Air Valve Replacement Kit	Seat Kit	Ball Kit	Diaphragm Kit
654504	Polypropylene	Polypropylene	Center	Polypropylene	PTFE	2-Piece PTFE	24B773	24W225	24W228	24W220
654505	Polypropylene	Polypropylene	Center	Polypropylene	PTFE	PTFE OM	24B773	24W225	24W228	24W217
654511	Polypropylene	Polypropylene	End	Polypropylene	PTFE	2-Piece PTFE	24B773	24W225	24W228	24W220
654512	Polypropylene	Polypropylene	End	Polypropylene	PTFE	PTFE OM	24B773	24W225	24W228	24W217
654500	Polypropylene	Polypropylene	Center	Polypropylene	Santoprene	Santoprene	24B773	24W225	24W229	24W218
654507	Polypropylene	Polypropylene	End	Polypropylene	Santoprene	Santoprene	24B773	24W225	24W229	24W218
654517	Polypropylene	Polypropylene	Center	SST	FKM	FKM	24B773	24W227	24W230	24W219
654518	Polypropylene	Polypropylene	Center	SST	PTFE	2-Piece PTFE	24B773	24W227	24W228	24W220
654519	Polypropylene	Polypropylene	Center	SST	PTFE	PTFE OM	24B773	24W227	24W228	24W217
654523	Polypropylene	Polypropylene	End	SST	FKM	FKM	24B773	24W227	24W230	24W219
654524	Polypropylene	Polypropylene	End	SST	PTFE	2-Piece PTFE	24B773	24W227	24W228	24W220
654525	Polypropylene	Polypropylene	End	SST	PTFE	PTFE OM	24B773	24W227	24W228	24W217
654526	Polypropylene	Polypropylene	Center	Santoprene	Santoprene	Santoprene	24B773	24W226	24W229	24W218
654528	Polypropylene	Polypropylene	End	Santoprene	Santoprene	Santoprene	24B773	24W226	24W229	24W218
654544	Polypropylene	PVDF	End	PVDF	FKM	FKM	24B773	24W223	24W230	24W219
654546	Polypropylene	PVDF	End	PVDF	PTFE	2-Piece PTFE	24B773	24W223	24W228	24W220
654547	Polypropylene	PVDF	End	PVDF	PTFE	PTFE OM	24B773	24W223	24W228	24W217



Technical Specifications

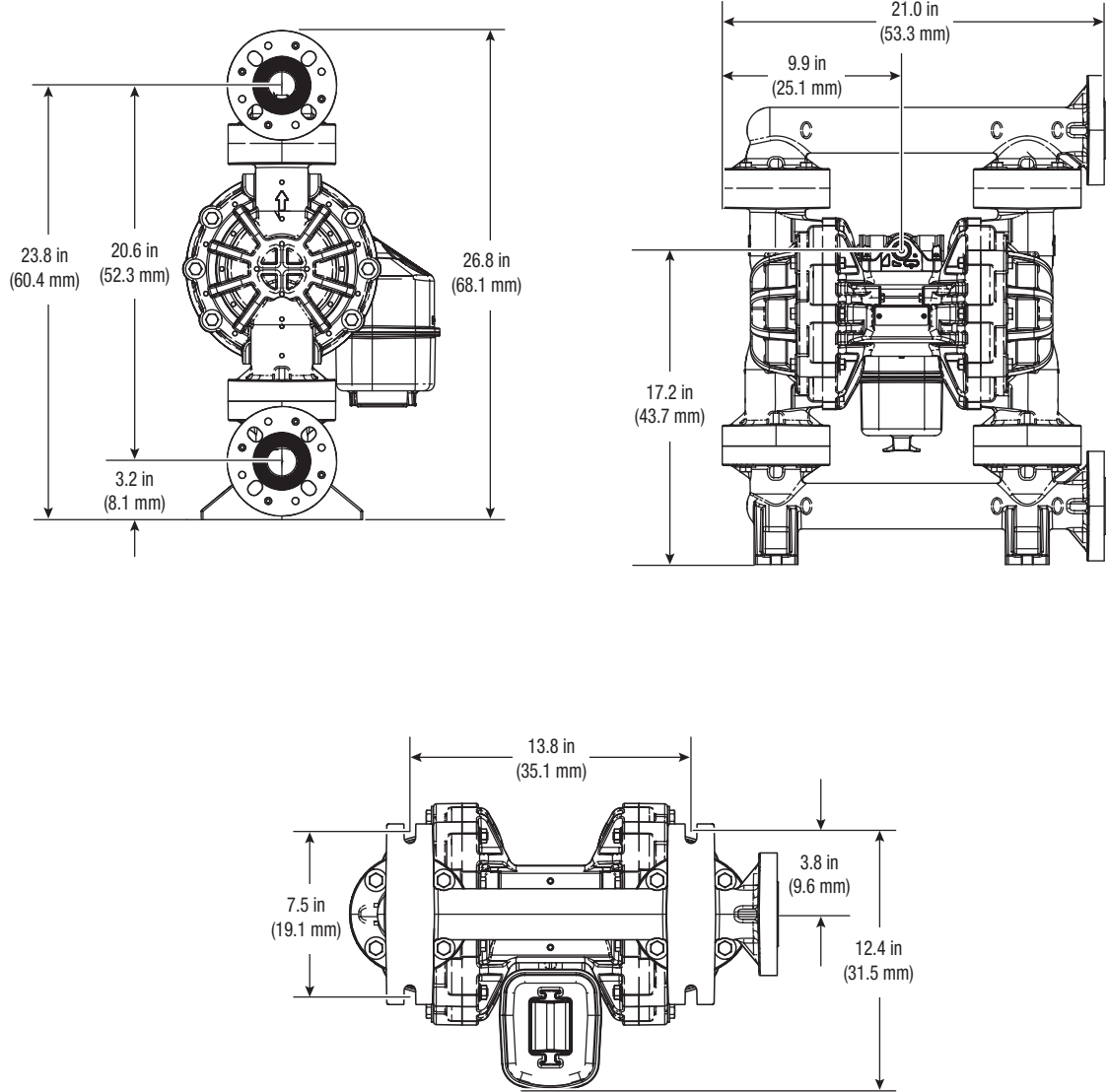
Husky 15120 Pumps	Polypropylene	PVDF
Maximum fluid working pressure	125 psi (8.6 bar, 0.86 MPa)	125 psi (8.6 bar, 0.86 MPa)
Maximum free flow delivery*	120 gpm (454 lpm)	120 gpm (454 lpm)
Maximum pump speed	190 cpm	190 cpm
Displacement per cycle**	0.63 gallon (2.4 liter)	0.63 gallon (2.4 liter)
Maximum suction lift (DB2366)	16 ft (4.9 m) dry	16 ft (4.9 m) dry
Maximum size pumpable solids	0.25 in (6.3 mm)	0.25 in (6.3 mm)
Maximum operating temperature***	150°F (65.5°C)	225°F (107°C)
Maximum diaphragm operating temperature***		
PTFE	150°F (65.5°C)	220°F (104.4°C)
PTFE overmolded diaphragm	150°F (65.5°C)	180°F (82.2°C)
Santoprene	150°F (65.5°C)	180°F (82.2°C)
Buna-N	150°F (65.5°C)	180°F (82.2°C)
TPE	150°F (65.5°C)	150°F (65.5°C)
Fluoroelastomer	150°F (65.5°C)	225°F (107°C)
Geolast	150°F (65.5°C)	150°F (65.5°C)
Typical sound power at 70 psi (4.9 bar, 0.49 MPa) air @ 50 cpm	90.9 dBa	90.9 dBa
Maximum air consumption	85 scfm (2.4 m³/min.)	85 scfm (2.4 m³/min.)
Air pressure operating range	20 to 125 psi (1.4 to 8.6 bar, 0.14 to 0.86 MPa)	20 to 125 psi (1.4 to 8.6 bar, 0.14 to 0.86 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	57 lb (25.9 kg)	74 lb (33.5 kg)
Instruction manual	3A2888	3A2888

*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

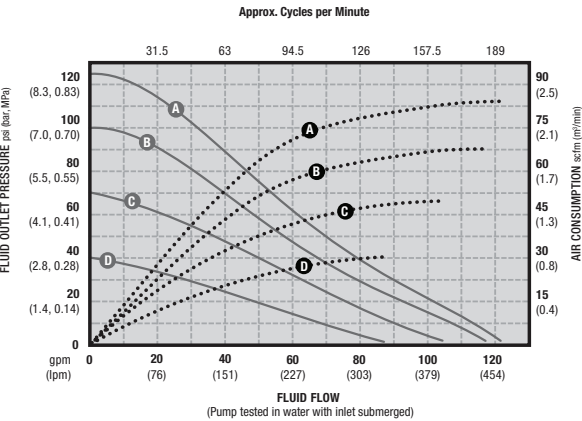
Dimensions



Husky 15120 Plastic Pumps

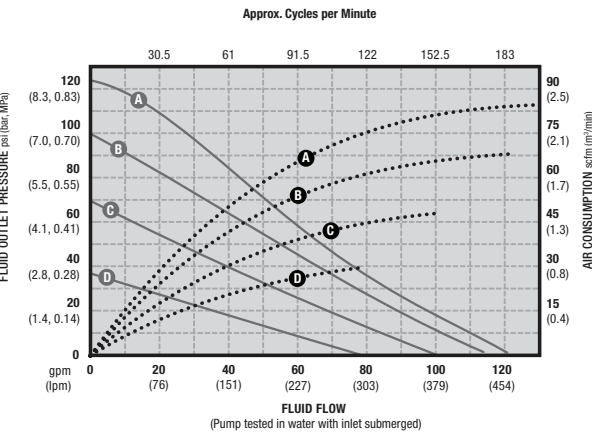
Performance Charts

1-Piece Bolt Through Design



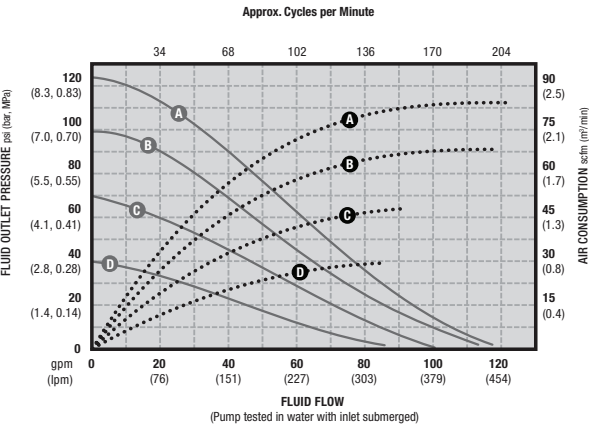
AIR PRESSURE	LEGEND
A = at 125 psi (8.3 bar, 0.83 MPa)	Air Consumption.....
B = at 100 psi (7 bar, 0.7 MPa)	Fluid Pressure ———
C = at 70 psi (4.8 bar, 0.48 MPa)	
D = at 40 psi (2.8 bar, 0.28 MPa)	

2-Piece Bolt Through Design



AIR PRESSURE	LEGEND
A = at 125 psi (8.3 bar, 0.83 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)	

Overmolded Design

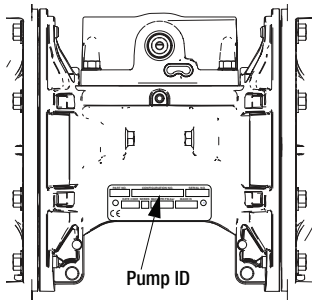


AIR PRESSURE	LEGEND
A = at 125 psi (8.3 bar, 0.83 MPa)	Air Consumption.....
B = at 100 psi (7 bar, 0.7 MPa)	Fluid Pressure ———
C = at 70 psi (4.8 bar, 0.48 MPa)	
D = at 40 psi (2.8 bar, 0.28 MPa)	

Husky 2150 Plastic Pumps Air-Operated Double Diaphragm

Husky 2150 Selector Tool

To order a Husky 2150, use the online selector tool at www.graco.com/pumpselectors or contact your distributor.



NOTE: Check the identification plate (ID) for the Configuration Number of your pump. Use the following matrix to define the components of your pump.



Example of Product Selector Tool on www.graco.com/pumpselectors.

Pump Configuration Options

Pump (1.5 inch ports, 90 gpm)	Center Section and Air Valve Material	Air Valve/Monitoring	Fluid Covers and Manifolds
P Polypropylene 2150	Aluminum	A01A Standard w/Buna-N Seals	F2 PVDF, end flange
		A01D Remote w/ Buna-N Seals	
F PVDF 2150	Stainless Steel	S01A Standard	P2 Polypropylene, end flange
		S01D Remote	

Check Valve Seats	Check Valve Balls	Diaphragm	Manifold O-Rings
BN Buna-N	AC Acetal	BN Buna-N	— None
FK Fluoroelastomer	BN Buna-N	FK Fluoroelastomer	PT PTFE
GE Geolast	FK Fluoroelastomer	GE Geolast	
PP Polypropylene	GE Geolast	PT PTFE/EPDM Two-Piece	
PV PVDF	PT PTFE	SP Santoprene	
SA 17-4 Stainless Steel	SD 440C Stainless Steel	TP TPE	
SP Santoprene	SP Santoprene		
SS 316 Stainless Steel	TP TPE		
TP TPE			

Husky 2150 Plastic Pumps

Ordering Information

D | **X** | **X** | **X** | **X** | **X**
 Diaphragm Pump | Pump Size | Wetted Parts | Seats | Balls/Checks | Diaphragms

PUMP SIZE (AIR MOTOR TYPE AND MATERIAL)	WETTED PARTS	SEATS	BALLS	DIAPHRAGM
F = 2" (50.8 mm) Standard: aluminum center section	2 = Poly (npt)	3 = Stainless Steel	1 = PTFE	1 = PTFE
G = 2" (50.8 mm) Remote: aluminum center section	5 = PVDF (npt)	4 = Hardened SST	2 = Acetal	5 = TPE
V = 2" (50.8 mm) Standard: stainless steel center section		5 = TPE	4 = Hardened SST	6 = Santoprene
		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		

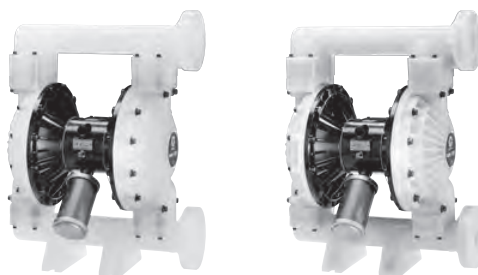
Popular Models

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	DG2377			Stainless Steel	Buna-N	Buna-N	D0G377	236273	246947
	DF2777	DG2777			Buna	Buna-N	Buna-N	D0G777	236273	246947
	DF2888	DG2888			Fluoroelastomer	Fluoroelastomer	Fluoroelastomer	D0G888	236273	246947
	DF2911	DG2911			Polypropylene	PTFE	PTFE	D0G911	236273	246947
	DF2955				Polypropylene	TPE	TPE	D0G955	236273	246947
	DF2966				Polypropylene	Santoprene	Santoprene	D0G966	236273	246947
	DF2977				Polypropylene	Buna-N	Buna-N	D0G977	236273	246947
	DF2988				Polypropylene	Fluoroelastomer	Fluoroelastomer	D0G988	236273	246947
	DF29GG	DG29GG			Polypropylene	Geolast	Geolast	D0G9GG	236273	246947
PVDF	DF5311				Stainless Steel	PTFE	PTFE	D0G311	236273	246947
	DF5666				Santoprene	Santoprene	Santoprene	D0G666	236273	246947
	DF5811	DG5911			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

*Requires CycleFlo or external valve control

** Air control includes air regulator and filter with gauge

Husky 2150 Plastic Pumps



Technical Specifications

Husky 2150 Plastic Pumps	Polypropylene	PVDF
Maximum fluid working pressure	120 psi (8.4 bar, 0.84 MPa)	120 psi (8.4 bar, 0.84 MPa)
Maximum free flow delivery*	150 gpm (568 lpm)	150 gpm (568 lpm)
Maximum pump speed	145 cpm	145 cpm
Displacement per cycle**	1.03 gallon (3.90 liter)	1.03 gallon (3.90 liter)
Maximum suction lift	18 ft (5.48 m) wet or dry	18 ft (5.48 m) wet or dry
Maximum size pumpable solids	0.25 in (6.3 mm)	0.25 in (6.3 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	78 dBa	78 dBa
Maximum air consumption	175 scfm (4.9 m3/min)	175 scfm (4.9 m3/min)
Air consumption at 70 psi/60 gpm	60 scfm (1.7 m3/min)	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)	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****	2 in (51 mm) ANSI-flange	2 in (51 mm) ANSI-flange
Weight	49 lb (22 kg)	68 lb (30.8 kg)
Weight with stainless steel center section	68.5 lb (31 kg)	87.5 lb (39.6 kg)
Instruction manual	308550	308550

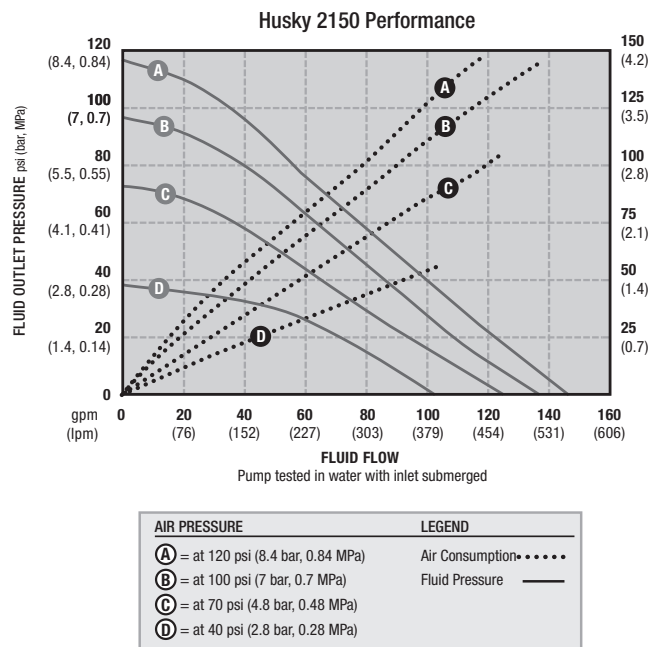
* Flow rates are with muffler and do not vary based on diaphragm material

** Displacement per cycle may vary based on suction condition, discharge head, air pressure and fluid type

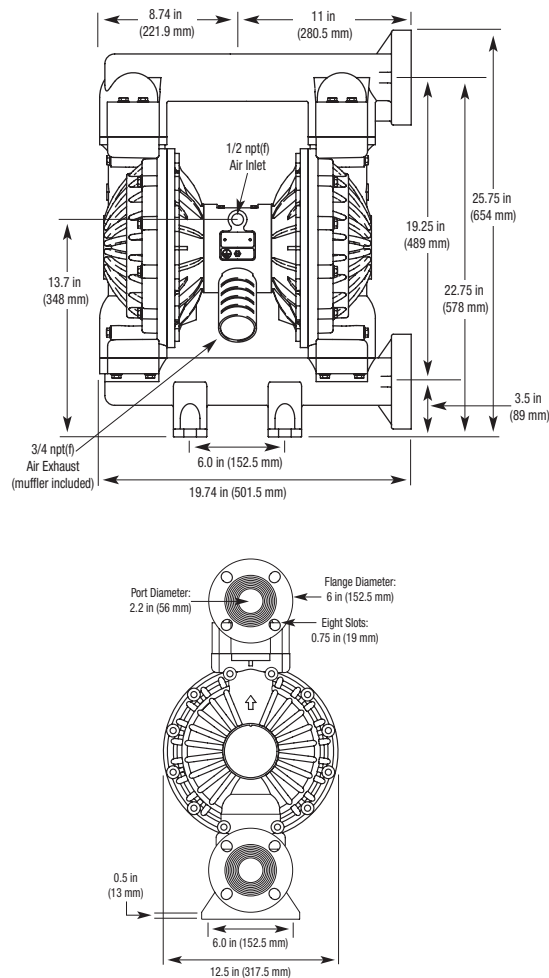
*** Actual pump performance may be affected by prolonged usage at temperature

Husky 2150 Plastic Pumps

Performance Charts

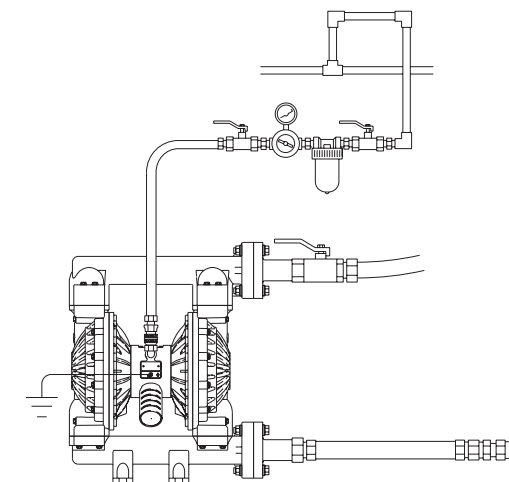


Dimensions



Typical System Drawings

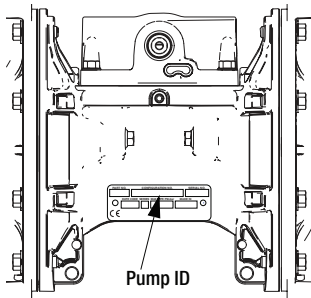
Husky 2150 Above Ground Gravity Feed



Husky 2150 Metal Pumps Air-Operated Double Diaphragm

Husky 2150 Selector Tool

To order a Husky 2150, use the online selector tool at www.graco.com/pumpselectors or contact your distributor.



NOTE: Check the identification plate (ID) for the Configuration Number of your pump. Use the following matrix to define the components of your pump.



Example of Product Selector Tool on www.graco.com/pumpselectors.

Pump Configuration Options

Pump (2.0 inch ports, 150 gpm)	Center Section and Air Valve Material	Air Valve/Monitoring	Fluid Covers and Manifolds
A★ Aluminum 2150	Aluminum	A01A Standard	A1 Aluminum, standard ports, NPT
		A01D Remote	A2 Aluminum, standard ports, BSPT
	Stainless Steel	S01A Standard	S1 Stainless steel, standard ports, NPT
S‡ Stainless Steel 2150		S01D Remote	S2 Stainless steel, standard ports, BSPT

★, ‡, or ✕: See **ATEX Certifications** below.

Check Valve Seats	Check Valve Balls	Diaphragm	Manifold O-Rings
BN Buna-N	AC Acetal	BN Buna-N	— None
FK Fluoroelastomer	BN Buna-N	FK Fluoroelastomer	PT PTFE
GE Geolast	FK Fluoroelastomer	GE Geolast	
PP Polypropylene	GE Geolast	PO PTFE Overmolded	
PV PVDF	PT PTFE	PT PTFE/EPDM Two-Piece	
SA 17-4 Stainless Steel	SD 440C Stainless Steel	SP Santoprene	
SP Santoprene	SP Santoprene	TP TPE	
SS 316 Stainless Steel	TP TPE		
TP TPE			

ATEX Certifications

★ All Aluminum 2150 pumps are certified:



‡ Stainless Steel pumps with aluminum or conductive polypropylene centers are certified:



✕ DataTrak and Pulse Count are certified:



EEx ia IIA T3
Nemko
06ATEX1124

Husky 2150 Metal Pumps

Ordering Information

D | Diaphragm Pump
X | Pump Size
X | Wetted Parts
X | Seats
X | Balls/Checks
X | Diaphragms

PUMP SIZE (AIR MOTOR TYPE AND MATERIAL)	WETTED PARTS	SEATS	BALLS	DIAPHRAGM
F = 2" (50.8 mm) Standard: aluminum center section	3 = Aluminum (npt)	3 = Stainless Steel	1 = PTFE	1 = PTFE
G = 2" (50.8 mm) Remote: aluminum center section	4 = Stainless Steel (npt)	4 = Hardened SST	2 = Acetal	5 = TPE
V = 2" (50.8 mm) Standard: stainless steel center section	6 = Ductile Iron (npt)	5 = TPE	4 = Hardened SST	6 = Santoprene
	C = Aluminum (bspt)	6 = Santoprene	5 = TPE	7 = Buna-N
	D = Stainless Steel (bspt)	7 = Buna-N	6 = Santoprene	8 = Fluoroelastomer
	F = Ductile Iron (bspt)	8 = Fluoroelastomer	7 = Buna-N	G = Geolast
		9 = Polypropylene	8 = Fluoroelastomer	
	H = 2 npt Alum Extended	A = PVDF	G = Geolast	
	G = 2 bsp Alum Extended	G = Geolast		



Technical Specifications

Husky 2150 Metal Pumps	Aluminum	Stainless Steel	Ductile Iron
Maximum fluid working pressure	120 psi (8.4 bar, 0.84 MPa)	120 psi (8.4 bar, 0.84 MPa)	120 psi (8.4 bar, 0.84 MPa)
Maximum free flow delivery*	150 gpm (568 lpm)	150 gpm (568 lpm)	150 gpm (568 lpm)
Maximum pump speed	145 cpm	145 cpm	145 cpm
Displacement per cycle**	1.03 gallon (3.90 liter)	1.03 gallon (3.90 liter)	1.03 gallon (3.90 liter)
Maximum suction lift (DF3666)	20 ft (6.1 m) dry	20 ft (6.1 m) dry	20 ft (6.1 m) dry
Maximum size pumpable solids	0.25 in (6.3 mm)	0.25 in (6.3 mm)	0.25 in (6.3 mm)
Maximum operating temperature***	150°F (65.5°C)	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)	220°F (104.4°C)
Santoprene	180°F (82.2°C)	180°F (82.2°C)	180°F (82.2°C)
Buna-N	180°F (82.2°C)	180°F (82.2°C)	180°F (82.2°C)
TPE	150°F (65.5°C)	150°F (65.5°C)	150°F (65.5°C)
Fluoroelastomer	250°F (121.1°C)	250°F (121.1°C)	250°F (121.1°C)
Geolast	150°F (65.5°C)	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	78 dBA	78 dBA	78 dBA
Maximum air consumption	175 scfm (4.9 m3/min)	175 scfm (4.9 m3/min)	175 scfm (4.9 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)	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)	1/2 npt(f)
Fluid inlet & outlet size****	2 in (51 mm) npt(f)	2 in (51 mm) npt(f)	2 in (51 mm) npt(f)
Weight	58 lb (26.3 kg)	111 lb (50 kg)	130 lb (59 kg)
Weight with stainless steel center section	n/a	134 lb (60 kg)	n/a
Instruction manual	308368	308368	308368

* 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

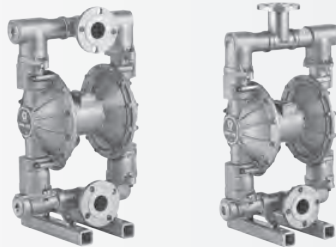
*** Actual pump performance may be affected by prolonged usage at temperature

Husky 2150 Metal Pumps

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***	DF3311	DG3311	DFC311	DGC311	Stainless Steel	PTFE	PTFE	D0F311	236273	246947
	DF3341	DG3341	DFC341	DGC341	Stainless Steel	Hardened SST	PTFE	D0F341	236273	246947
	DF3366	DG3366	DFC366	DGC366	Stainless Steel	Santoprene	Santoprene	D0F366	236273	246947
	DF3377	DG3377	DFC377	DGC377	Stainless Steel	Buna-N	Buna-N	D0F377	236273	246947
	DF3525	DG3525	DFC525	DGC525	TPE	Acetal	TPE	D0F525	236273	246947
	DF3555		DFC555		TPE	TPE	TPE	D0F555	236273	246947
	DF3666	DG3666	DFC666	DGC666	Santoprene	Santoprene	Santoprene	D0F666	236273	246947
	DF3777	DG3777	DFC777	DGC777	Buna-N	Buna-N	Buna-N	D0F777	236273	246947
	DF3888	DG3888	DFC888	DGC888	Fluoroelastomer	Fluoroelastomer	Fluoroelastomer	D0F888	236273	246947
	DF3GGG	DG3GGG	DFCGGG	DGCGGG	Geolast	Geolast	Geolast	D0FGGG	236273	246947
	DF3911	DG3911	DFC911	DGC911	Polypropylene	PTFE	PTFE	D0F911	236273	246947
	DF3977	DG3977	DFC977		Polypropylene	Buna-N	Buna-N	D0F977	236273	246947
Stainless Steel	DF4311	DG4311	DFD311	DGD311	Stainless Steel	PTFE	PTFE	D0F311	236273	246947
	DF4341		DFD341		Stainless Steel	Hardened SST	PTFE	D0F341	236273	246947
	DF4366	DG4366	DFD366	DGD366	Stainless Steel	Santoprene	Santoprene	D0F366	236273	246947
	DF4377	DG4377	DFD377	DGD377	Stainless Steel	Buna-N	Buna-N	D0F377	236273	246947
	DF4525		DFD525		TPE	Acetal	TPE	D0F525	236273	246947
	DF4666	DG4666	DFD666	DGD666	Santoprene	Santoprene	Santoprene	D0F666	236273	246947
	DF4777	DG4777	DFD777	DGD777	Buna-N	Buna-N	Buna-N	D0F777	236273	246947
	DF4888	DG4888	DFD888	DGD888	Fluoroelastomer	Fluoroelastomer	Fluoroelastomer	D0F888	236273	246947
	DF4GGG	DG4GGG	DFDGGG	DGDGGG	Geolast	Geolast	Geolast	D0FGGG	236273	246947
	DF4911		DFD911		Polypropylene	PTFE	PTFE	D0F911	236273	246947
Ductile	DF6311		DFF311		Stainless Steel	PTFE	PTFE	D0F311	236273	246947
	DF6366		DFF366		Stainless Steel	Santoprene	Santoprene	D0F366	236273	246947
	DF6441		DFF441		Hardened SST	Hardened SST	PTFE	D0F441	236273	246947
	DF6466	DG6466	DFF466	DGF466	Hardened SST	Santoprene	Santoprene	D0F466	236273	246947
	DF6525		DFF525		TPE	Acetal	TPE	D0F525	236273	246947
	DF6666	DG6666	DFF666	DGF666	Santoprene	Santoprene	Santoprene	D0F666	236273	246947
	DF6A11		DFFA11		PVDF	PTFE	PTFE	D0FA11	236273	246947
	DF6A88		DFFA88		PVDF	Fluoroelastomer	Fluoroelastomer	D0FA88	236273	246947
	DF6GGG	DG6GGG	DFFGGG	DGFGGG	Geolast	Geolast	Geolast	D0FGGG	236273	246947
Corrosion Resistant Pumps with Stainless Steel Center Section										
Stainless Steel	DV4311		DVD311		Stainless Steel	PTFE	PTFE	D0F311	255061	246947
	DV4377		DVD377		Stainless Steel	Buna-N	Buna-N	D0F377	255061	246947
	DV4388		DVD388		Stainless Steel	Fluoroelastomer	Fluoroelastomer	D0F388	255061	246947
	DV4666		DVD666		Santoprene	Santoprene	Santoprene	D0F666	255061	246947
	DV4888		DVD888		Fluoroelastomer	Fluoroelastomer	Fluoroelastomer	D0F888	255061	246947
	DV4911		DVD911		Polypropylene	PTFE	PTFE	D0F911	255061	246947

*Requires CycleFlo or external valve control. ** Air control includes air regulator and filter with gauge. *** Also available in Extended Height version; use DFH or DFG designations



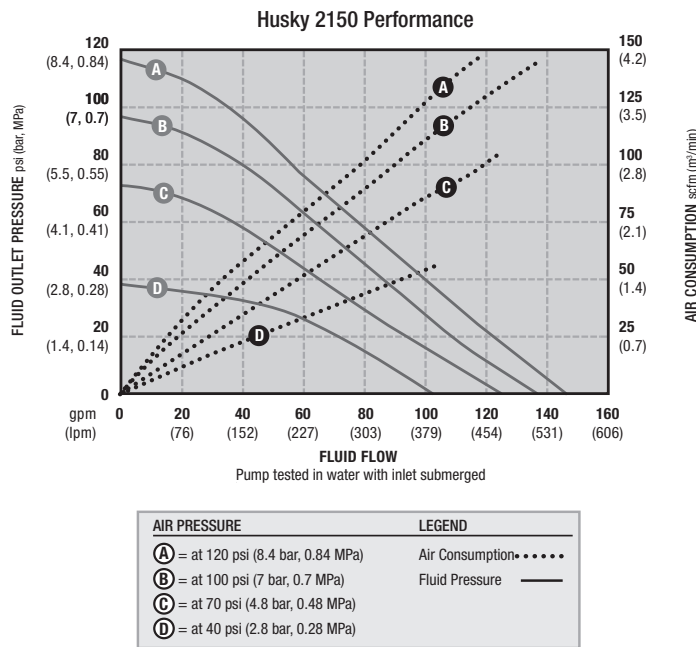
Stainless Steel Flange Models*

Part Number	Outlet Orientation	Seat Material	Ball Material	Diaphragm Material	Air Valve	Seat Kit	Ball Kit	Diaphragm Kit
25C658	Horizontal	Stainless Steel	PTFE	Overmolded PTFE	236273	D0F300	D0F010	253628
25C660	Vertical	Stainless Steel	PTFE	Overmolded PTFE	236273	D0F300	D0F010	253628
DFR311	Horizontal	Stainless Steel	PTFE	PTFE	236273	D0F300	D0F010	D0F001
DFP311	Vertical	Stainless Steel	PTFE	PTFE	236273	D0F300	D0F010	D0F001
DFR366	Horizontal	Stainless Steel	Santoprene	Santoprene	236273	D0F300	D0F060	D0F006
DFP366	Vertical	Stainless Steel	Santoprene	Santoprene	236273	D0F300	D0F060	D0F006

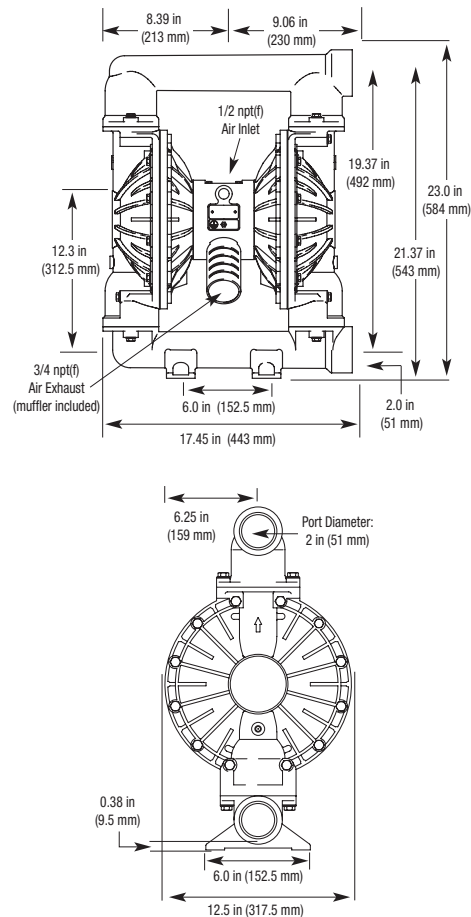
*All stainless steel flange models have a fixed center inlet.

Husky 2150 Metal Pumps

Performance Charts

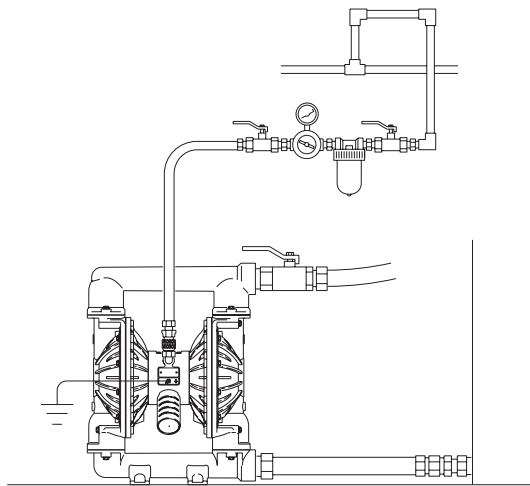


Dimensions



Typical System Drawings

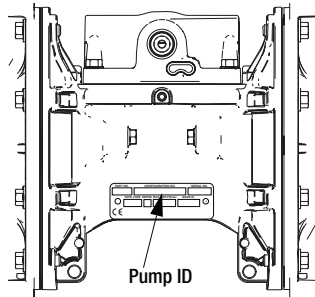
Husky 2150 Above Ground Gravity Feed



Husky 2200 Plastic Pumps Air-Operated Double Diaphragm

Husky 2200 Selector Tool

To order a Husky 2200, use the online selector tool at www.graco.com/pumpselectors or contact your distributor.



NOTE: Check the identification plate (ID) for the Configuration Number of your pump. Use the following matrix to define the components of your pump.



Example of Product Selector Tool on www.graco.com/pumpselectors.

Pump Configuration Options

Pump (2 inch ports, 200 gpm)	Center Section and Air Valve Material	For Use With	Fluid Covers and Manifolds
2200P Polypropylene	Polypropylene P01A	Standard Diaphragms	P1 Polypropylene, Center Flange, ANSI/DIN
2200F PVDF	Polypropylene P01G	Overmolded Diaphragms	P2 Polypropylene, End Flange, ANSI/DIN F2 PVDF, End Flange, ANSI/DIN

Seat Material	Ball Material	Diaphragm Material	Manifold/Seat Seal Material
PP Polypropylene	FK FKM	FK FKM Fluoroelastomer	PT PTFE
PV PVDF	PT PTFE	PO PTFE/EPDM Overmolded	
SP Santoprene®	SP Santoprene	PT PTFE/Santoprene Two-Piece	
SS 316 Stainless Steel		SP Santoprene	

Husky 2200 Plastic Pumps

Popular Models

Part Number	Air Section	Fluid Section	Porting	Seat	Ball	Diaphragm	Air Valve Replacement Kit	Seat Kit	Ball Kit	Diaphragm Kit
653504	Polypropylene	Polypropylene	Center	Polypropylene	PTFE	2-Piece PTFE	24V231	24V248	24V251	24V244
653505	Polypropylene	Polypropylene	Center	Polypropylene	PTFE	PTFE OM	24V231	24V248	24V251	24V241
653511	Polypropylene	Polypropylene	End	Polypropylene	PTFE	2-Piece PTFE	24V231	24V248	24V251	24V244
653512	Polypropylene	Polypropylene	End	Polypropylene	PTFE	PTFE OM	24V231	24V248	24V251	24V241
653500	Polypropylene	Polypropylene	Center	Polypropylene	Santoprene	Santoprene	24V231	24V248	24V252	24V242
653507	Polypropylene	Polypropylene	End	Polypropylene	Santoprene	Santoprene	24V231	24V248	24V252	24V242
653517	Polypropylene	Polypropylene	Center	SST	FKM	FKM	24V231	24V250	24V253	24V243
653518	Polypropylene	Polypropylene	Center	SST	PTFE	2-Piece PTFE	24V231	24V250	24V251	24V244
653519	Polypropylene	Polypropylene	Center	SST	PTFE	PTFE OM	24V231	24V250	24V251	24V241
653523	Polypropylene	Polypropylene	End	SST	FKM	FKM	24V231	24V250	24V253	24V243
653524	Polypropylene	Polypropylene	End	SST	PTFE	2-Piece PTFE	24V231	24V250	24V251	24V244
653525	Polypropylene	Polypropylene	End	SST	PTFE	PTFE OM	24V231	24V250	24V251	24V241
653526	Polypropylene	Polypropylene	Center	Santoprene	Santoprene	Santoprene	24V231	24V249	24V252	24V242
653528	Polypropylene	Polypropylene	End	Santoprene	Santoprene	Santoprene	24V231	24V249	24V252	24V242
653544	Polypropylene	PVDF	End	PVDF	FKM	FKM	24V231	24V247	24V253	24V243
653546	Polypropylene	PVDF	End	PVDF	PTFE	2-Piece PTFE	24V231	24V247	24V251	24V244
653547	Polypropylene	PVDF	End	PVDF	PTFE	PTFE OM	24V231	24V247	24V251	24V241



Technical Specifications

Husky 2200 Pumps	Polypropylene	PVDF
Maximum fluid working pressure	125 psi (8.6 bar, 0.86 MPa)	125 psi (8.6 bar, 0.86 MPa)
Maximum free flow delivery*	200 gpm (757 lpm)	200 gpm (757 lpm)
Maximum pump speed		
Standard diaphragm	125 cpm	125 cpm
Overmolded diaphragm	155 cpm	155 cpm
Displacement per cycle**		
Standard diaphragm	1.6 gallon (6.1 liter)	1.6 gallon (6.1 liter)
Overmolded diaphragm	1.3 gallons (4.9 liter)	1.3 gallons (4.9 liter)
Maximum suction lift (DB2366)	16 ft (4.9 m) dry	16 ft (4.9 m) dry
Maximum size pumpable solids	0.25 in (6.3 mm)	0.25 in (6.3 mm)
Maximum operating temperature***	150°F (65.5°C)	225°F (107°C)
Maximum diaphragm operating temperature***		
PTFE	150°F (65.5°C)	220°F (104.4°C)
PTFE overmolded diaphragm	150°F (65.5°C)	180°F (82.2°C)
Santoprene	150°F (65.5°C)	180°F (82.2°C)
Buna-N	150°F (65.5°C)	180°F (82.2°C)
TPE	150°F (65.5°C)	150°F (65.5°C)
Fluoroelastomer	150°F (65.5°C)	225°F (107°C)
Geolast	150°F (65.5°C)	150°F (65.5°C)
Typical sound power at 70 psi (4.9 bar, 0.49 MPa) air @ 50 cpm	95.2 dBa	90.9 dBa
Maximum air consumption		
Standard diaphragm	140 scfm (4.0 m³/min.)	140 scfm (4.0 m³/min.)
Overmolded diaphragm	157 scfm (4.4 m³/min.)	157 scfm (4.4 m³/min.)
Air pressure operating range	20 to 125 psi (1.4 to 8.6 bar, 0.14 to 0.86 MPa)	20 to 125 psi (1.4 to 8.6 bar, 0.14 to 0.86 MPa)
Air inlet size	3/4 npt(f)	3/4 npt(f)
Fluid inlet & outlet size	2 npt(f) or bspt(f)	2 npt(f) or bspt(f)
Weight	80 lb (36.3 kg)	106 lb (48.1 kg)
Instruction manual	3A2578	3A2578

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

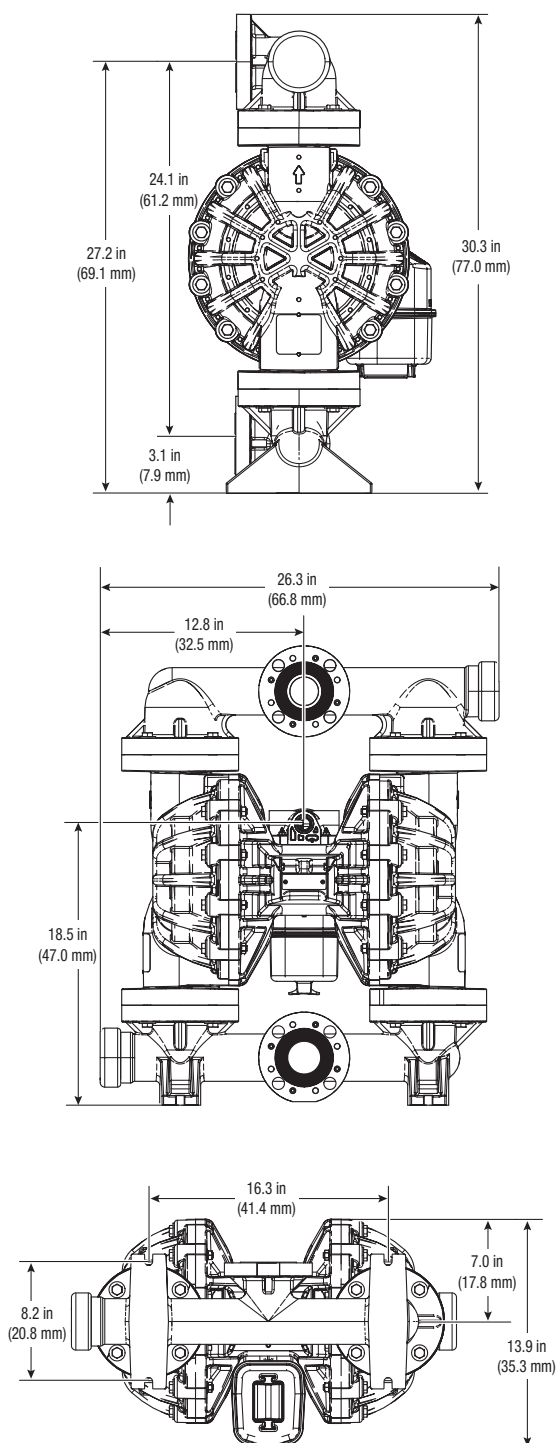
**Displacement per cycle may vary based on suction condition, discharge head, air pressure and fluid type

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

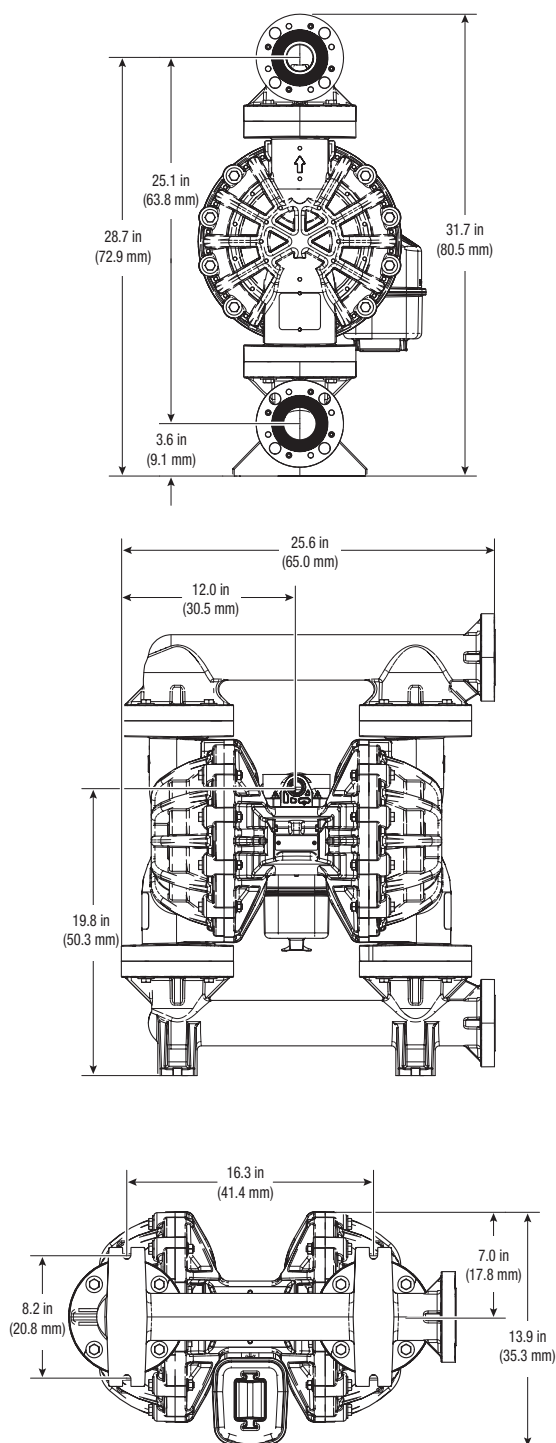
Husky 2200 Plastic Pumps

Dimensions

Center Flange



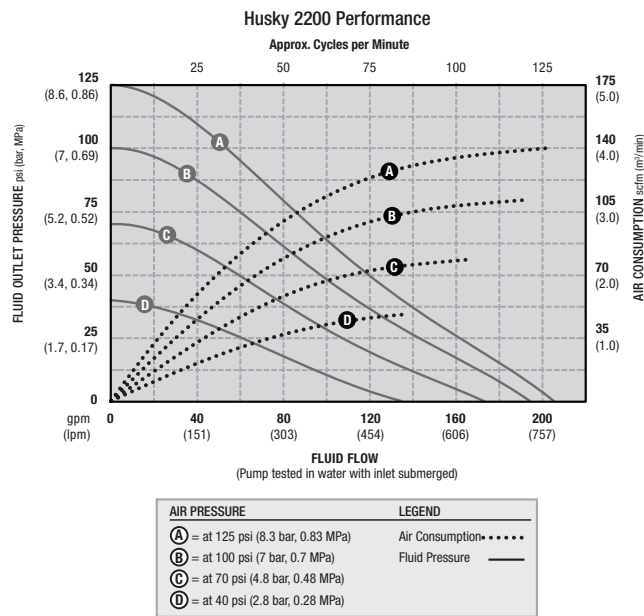
End Flange



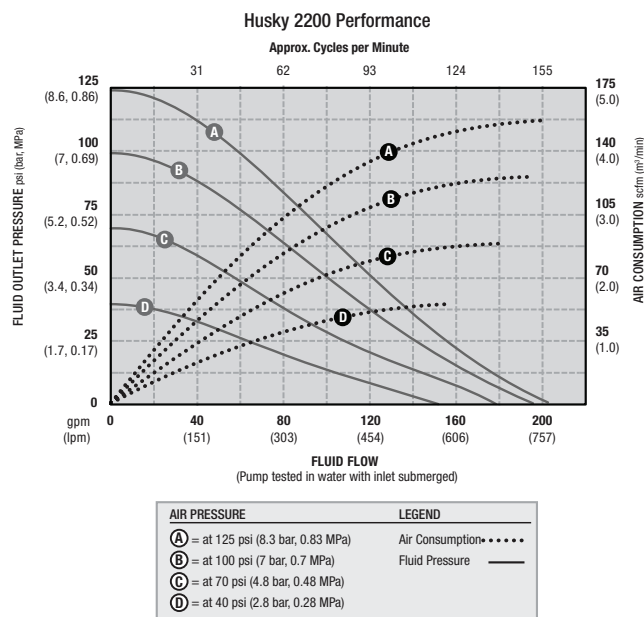
Husky 2200 Plastic Pumps

Performance Charts

Bolt Through Design



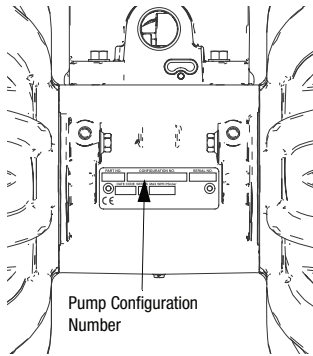
Overmolded Design



Husky 3300 Plastic Pumps Air-Operated Double Diaphragm

Husky 3300 Selector Tool

To order a Husky 3300, use the online selector tool at www.graco.com/pumpselectors or contact your distributor.



NOTE: Options for seats, check balls, diaphragms, and seals vary.

The screenshot shows the Graco website's product selector tool for the Husky 3300. It includes a navigation bar with links like Home, Products & Solutions, and a search bar. The main section is titled 'Husky Air-Operated Double Diaphragm Pumps'. It features a series of dropdown menus for selecting options: Certification Required (No Certification Required), Pump Inlet/Outlet Size (3/8" - 3/4" (30mm)), Fluid Covers and Manifolds (P1 Polypropylene), Center Section and Air Valve (1401A Aluminum Standard Air Valve w/Buna-Seals), Porting (P1 Polypropylene Center Flange ANSI/ISO), Seats (1AC1 Acetal), Balls (1AC1 Acetal), Diaphragms (1TP TPE), and Manifold O-Rings (PT1 PTFE). A 'Find' button is at the bottom. On the right, there is an image of the pump and a 'Replacement Kits' section with the Graco Part Number 652467.

Example of Product Selector Tool on www.graco.com/pumpselectors

Pump Configuration Options

Pump (3 inch ports, 300 gpm)	Center Section and Air Valve Material	Air Valve/Monitoring	Fluid Covers and Manifolds
P + Polypropylene 3300	Aluminum	A01A Standard Diaphragms	P1 Polypropylene, center flange
		A01G Overmolded Diaphragms	
	Polypropylene †	P01A Standard Diaphragms	
		P01G Overmolded Diaphragms	

†: See **ATEX Certifications** below.

Check Valve Seats		Check Valve Balls		Diaphragm		Manifold and Seat Seals	
AC	Acetal	AC	Acetal	BN	Buna-N	---	Models with Buna-N, FKM Fluoroelastomer or TPE seats do not use o-rings.
AL	Aluminum	BN	Buna-N	CO	Polychloroprene Overmolded		
BN	Buna-N	CR	Polychloroprene Standard	CR	Polychloroprene		
FK	FKM Fluoroelastomer	CW	Polychloroprene Weighted	FK	FKM Fluoroelastomer	BN	Buna-N
GE	Geolast®	FK	FKM Fluoroelastomer	GE	Geolast	PT	PTFE
PP	Polypropylene	GE	Geolast	PO	PTFE/EPDM Overmolded		
SP	Santoprene®	PT	PTFE	PT	PTFE/Santoprene Two-Piece		
SS	316 Stainless Steel	SP	Santoprene	SP	Santoprene		
TP	TPE	TP	TPE	TP	TPE		

ATEX Certifications

† Pumps with polypropylene fluid or center sections are not ATEX certified.

Husky 3300 Plastic Pumps

Popular Models

Material	Part Number	Materials for Seats	Materials for Balls	Materials for Diaphragms	Air Valve Replacement Kit	Seat Kit	Ball Kit	Diaphragm Kit	O-Ring Kit
Polypropylene	652404	Polypropylene	PTFE	2 pc PTFE	24K857	24K933	24K943	24K905	24K927
Polypropylene	652400	Polypropylene	Santoprene	Santoprene	24K857	24K933	24K944	24K902	24K927
Polypropylene	652423	Santoprene	Santoprene	Santoprene	24K857	24K934	24K944	24K902	24K927
Polypropylene	652414	Stainless Steel	PTFE	2 pc PTFE	24K857	24K935	24K943	24K905	24K927
Polypropylene	652402	Polypropylene	FKM	FKM	24K857	24K933	24K945	24K903	24K927



Technical Specifications

Husky 3300 Plastic Pumps	Polypropylene
Maximum fluid working pressure	100 psi (7.0 bar, 0.7 MPa)
Maximum free flow delivery*	
Standard diaphragms at 100 psi (7.0 bar, 0.7 MPa)	280 gpm (1,059 lpm)
Overmolded diaphragms at 100 psi (7.0 bar, 0.7 MPa)	260 gpm (984 lpm)
Maximum pump speed*	
Standard diaphragms at 100 psi (7.0 bar, 0.7 MPa)	97 cpm
Overmolded diaphragms at 100 psi (7.0 bar, 0.7 MPa)	130 cpm
Maximum suction lift *	8 ft (2.4 m) dry
(varies widely based on ball/seat selection and wear, operating speed, material properties, and other variables)	
Maximum size pumpable solids	0.5 in (13 mm)
Noise (dBA)***	
Sound Power at 50 psi (3.4 bar) and 50 cpm	92 dBA
Sound Power at 120 psi (8.3 bar) and full flow	99 dBA
Sound Pressure at 50 psi (3.4 bar) and 50 cpm	86 dBA
Sound Pressure at 120 psi (8.3 bar) and full flow	93 dBA
Maximum air consumption	275 scfm (7.8 m ³ /min.)
Air pressure operating range	20 to 100 psi (1.4 to 7.0 bar, 0.14 to 0.7 MPa)
Air inlet size	3/4 npt(f)
Fluid inlet/outlet	3 in (76.2 mm) ANSI/DIN flange
Weight	200 lb (91 kg)
Instruction manual	3A0410
Repair/parts manual	3A0411

* Maximum values with water as media at ambient temperature. Water level is approximately 3 feet above pump inlet.

** Startup pressures and displacement per cycle may vary based on suction condition, discharge head, air pressure, and fluid type.

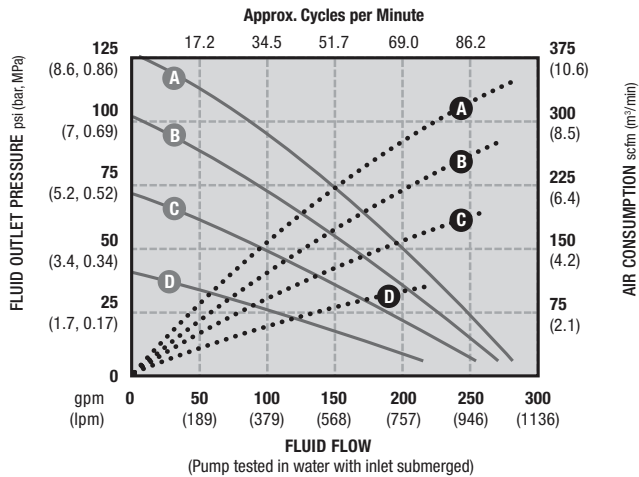
*** Sound power measured per ISO-9614-2. Sound pressure was tested 3.28 ft (1 m) from equipment.

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

Husky 3300 Plastic Pumps

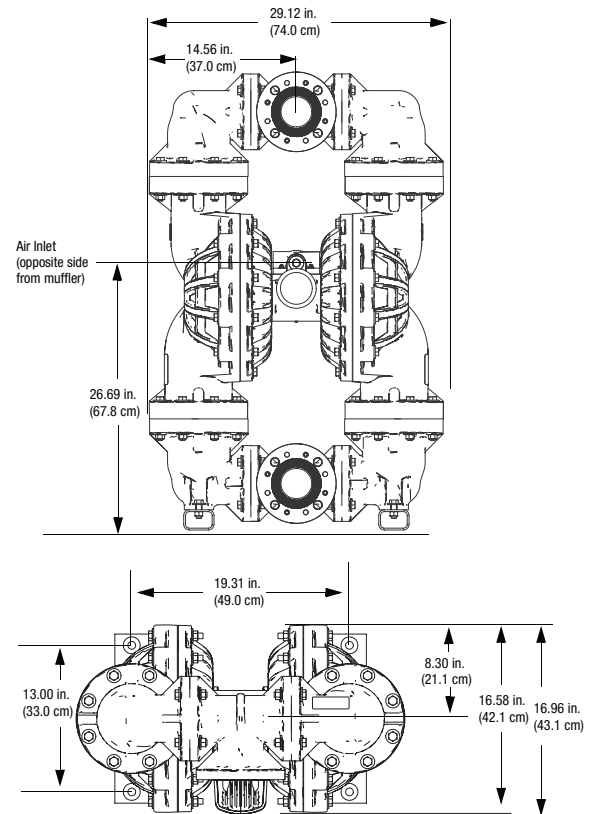
Performance Charts

Husky 3300 Performance

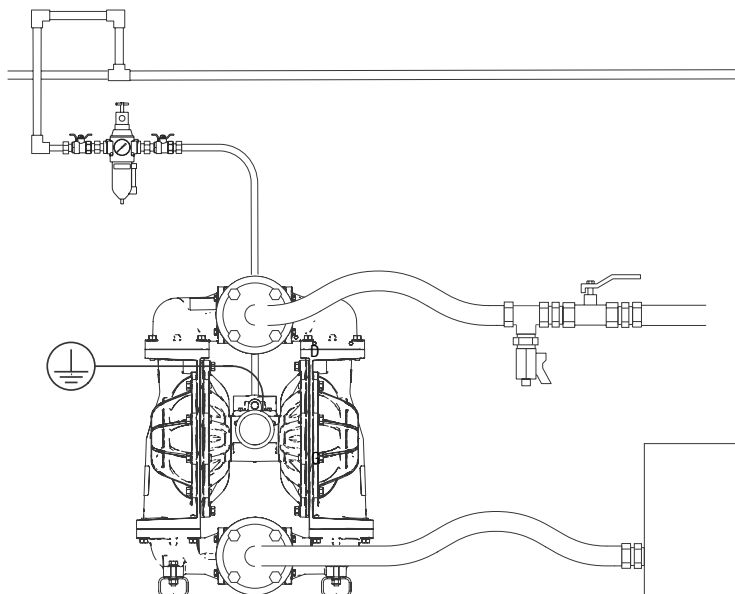


AIR PRESSURE	LEGEND
Ⓐ = at 125 psi (8.3 bar, 0.83 MPa)	Air Consumption.....
Ⓑ = at 100 psi (7 bar, 0.7 MPa)	Fluid Pressure ———
Ⓒ = at 70 psi (4.8 bar, 0.48 MPa)	
Ⓓ = at 40 psi (2.8 bar, 0.28 MPa)	

Dimensions



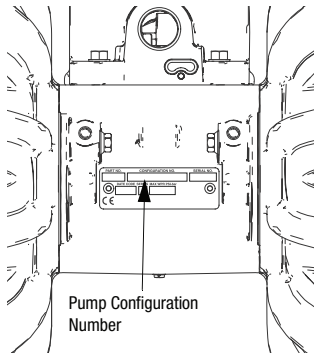
Typical System Drawings



Husky 3300 Metal Pumps Air-Operated Double Diaphragm

Husky 3300 Selector Tool

To order a Husky 3300, use the online selector tool at www.graco.com/pumpselectors or contact your distributor.



NOTE: Options for seats, check balls, diaphragms, and seals vary.

Example of Product Selector Tool on www.graco.com/pumpselectors

Pump Configurations

Pump (3 inch ports, 300 gpm)	Center Section and Air Valve Material		Air Valve/Monitoring	Fluid Covers and Manifolds	
A ★ Aluminum 3300	Aluminum	A01A	Standard Diaphragms	A1	Aluminum, center flange, npt
		A01E	Optional FKM seals with Standard Diaphragms	A2	Aluminum, center flange, bspt
S ★ Stainless Steel 3300	Polypropylene †	A01G	Overmolded Diaphragms	S1	Stainless steel, center flange, npt
		P01A	Standard Diaphragms	S2	Stainless steel, center flange, bspt
		P01G	Overmolded Diaphragms		

★: See **ATEX Certifications** below.

Check Valve Seats		Check Valve Balls		Diaphragm		Manifold and Seat Seals	
AC	Acetal	AC	Acetal	BN	Buna-N	---	Models with Buna-N, FKM Fluoroelastomer or TPE seats do not use o-rings.
AL	Aluminum	BN	Buna-N	CO	Polychloroprene Overmolded		
BN	Buna-N	CR	Polychloroprene Standard	CR	Polychloroprene		
FK	FKM Fluoroelastomer	CW	Polychloroprene Weighted	FK	FKM Fluoroelastomer	BN PT	Buna-N PTFE
GE	Geolast®	FK	FKM Fluoroelastomer	GE	Geolast		
PP	Polypropylene	GE	Geolast	PO	PTFE/EPDM Overmolded		
SP	Santoprene®	PT	PTFE	PT	PTFE/Santoprene Two-Piece		
SS	316 Stainless Steel	SP	Santoprene	SP	Santoprene		
TP	TPE	TP	TPE	TP	TPE		

ATEX Certifications

★ Aluminum 3300 and Stainless Steel 3300 pumps with aluminum center sections are certified:



Husky 3300 Metal Pumps

Popular Models

Material	Part Number	Seat Material	Ball Material	Diaphragm Material	Air Valve Replacement Kit	Seat Kit	Ball Kit	Diaphragm Kit	O-Ring Kit
Aluminum	652002	TPE	Acetal	TPE	24K855	24K932	24K937	24K901	24K909
Aluminum	652046	Geolast	Geolast	Geolast	24K855	24K931	24K939	24K900	24K909
Aluminum	652021	Stainless Steel	PTFE	2 pc PTFE	24K855	24K935	24K943	24K905	24K927
Aluminum	652081	Acetal	PTFE	2 pc PTFE	24K855	24K928	24K943	24K905	24K927
Aluminum	652036	Santoprene	Santoprene	Santoprene	24K855	24K934	24K944	24K902	24K909
Stainless Steel	652804	Stainless Steel	PTFE	2 pc PTFE	24K857	24K935	24K943	24K905	24K927
Stainless Steel	652812	Santoprene	Santoprene	Santoprene	24K857	24K934	24K944	24K902	24K927

Stainless Steel Flange Models*

Part Number	Outlet Orientation	Porting	Seat Material	Ball Material	Diaphragm Material	Air Valve	Seat Kit	Ball Kit	Diaphragm Kit
652989	Rotatable	Center	Stainless Steel	PTFE	PTFE	24K860	24K935	24K943	24K905
652990	Rotatable	Center	Santoprene	Santoprene	Santoprene	24K860	24K934	24K944	24K902
652991	Rotatable	Center	Stainless Steel	Santoprene	Santoprene	24K860	24K935	24K944	24K902



Technical Specifications

Husky 3300 Metal Pumps	Aluminum	Stainless Steel
Maximum fluid working pressure with Aluminum Center Section with Polypropylene Center Section	125 psi (8.6 bar, 0.86 MPa)	125 psi (8.6 bar, 0.86 MPa) 100 psi (7.0 bar, 0.7 MPa)
Maximum free flow delivery*		
Standard diaphragms at 125 psi (8.6 bar, 0.86 MPa)	300 gpm (1,135 lpm)	300 gpm (1,135 lpm)
Standard diaphragms at 100 psi (7.0 bar, 0.7 MPa)	280 gpm (1,059 lpm)	280 gpm (1,059 lpm)
Overmolded diaphragms at 125 psi (8.6 bar, 0.86 MPa)	270 gpm (1,022 lpm)	270 gpm (1,022 lpm)
Overmolded diaphragms at 100 psi (7.0 bar, 0.7 MPa)	260 gpm (984 lpm)	260 gpm (984 lpm)
Maximum pump speed*		
Standard diaphragms at 125 psi (8.6 bar, 0.86 MPa)	103 cpm	103 cpm
Standard diaphragms at 100 psi (7.0 bar, 0.7 MPa)	97 cpm	97 cpm
Overmolded diaphragms at 125 psi (8.6 bar, 0.86 MPa)	135 cpm	135 cpm
Overmolded diaphragms at 100 psi (7.0 bar, 0.7 MPa)	130 cpm	130 cpm
Maximum suction lift * (varies widely based on ball/seat selection and wear, operating speed, material properties, and other variables)	8 ft (2.4 m) dry 28 ft (8.5 m) wet	8 ft (2.4 m) dry 28 ft (8.5 m) wet
Maximum size pumpable solids	0.5 in (13 mm)	0.5 in (13 mm)
Noise (dBA)**		
Sound Power at 50 psi (3.4 bar) and 50 cpm	92 dBA	92 dBA
Sound Power at 120 psi (8.3 bar) and full flow	99 dBA	99 dBA
Sound Pressure at 50 psi (3.4 bar) and 50 cpm	86 dBA	86 dBA
Sound Pressure at 120 psi (8.3 bar) and full flow	93 dBA	93 dBA
Maximum air consumption with Aluminum Center Section with Polypropylene Center Section	335 scfm (9.5 m³/min.)	335 scfm (9.5 m³/min.) 275 scfm (7.8 m³/min.)
Air pressure operating range with Aluminum Center Section with Polypropylene Center Section	20 to 125 psi (1.4 to 8.6 bar, 0.14 to 0.86 MPa)	20 to 125 psi (1.4 to 8.6 bar, 0.14 to 0.86 MPa) 20 to 100 psi (1.4 to 7.0 bar, 0.14 to 0.7 MPa)
Air inlet size	3/4 npt(f)	3/4 npt(f)
Fluid inlet	3 in (76.2 mm) npt or bspt with ANSI/DIN flange	3 in (76.2 mm) npt or bspt
Weight	150 lb (68 kg)	255 lb (116 kg)
Instruction manual	3A0410	3A0410
Repair/parts manual	3A0411	3A0411

* Maximum values with water as media at ambient temperature. Water level is approximately 3 feet above pump inlet.

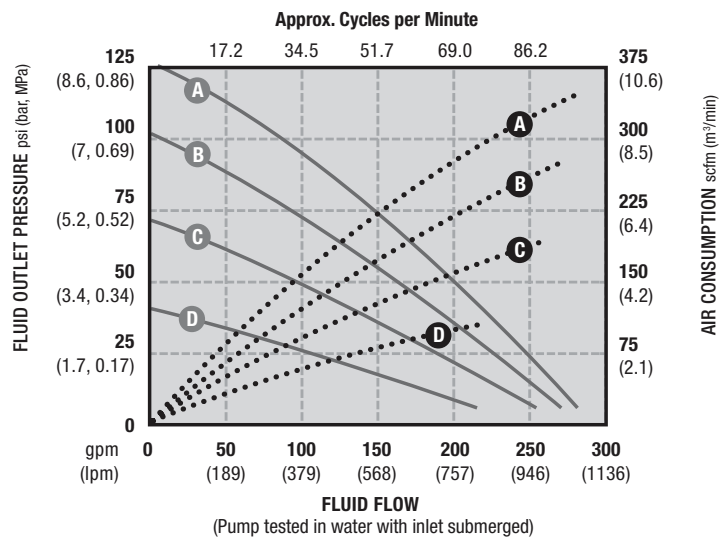
** Startup pressures and displacement per cycle may vary based on suction condition, discharge head, air pressure, and fluid type.

*** Sound power measured per ISO-9614-2. Sound pressure was tested 3.28 ft (1 m) from equipment.

Husky 3300 Metal Pumps

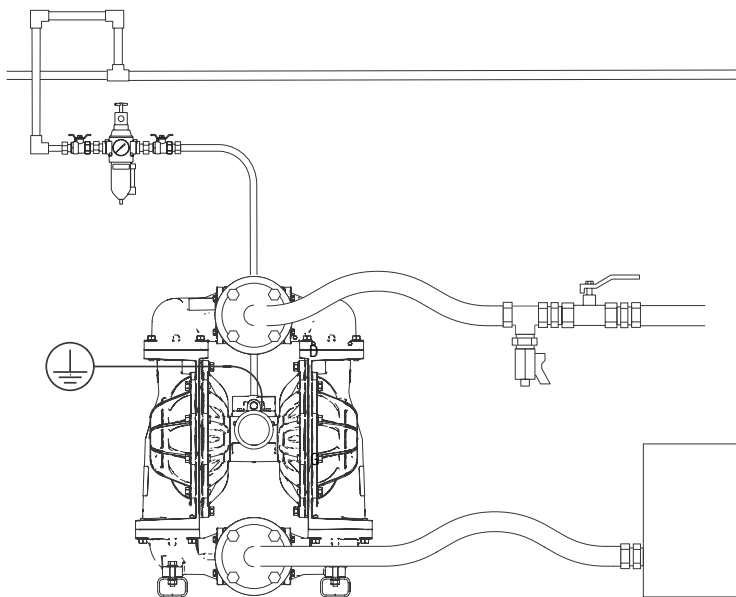
Performance Charts

Husky 3300 Performance



AIR PRESSURE	LEGEND
(A) = at 125 psi (8.3 bar, 0.83 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)	

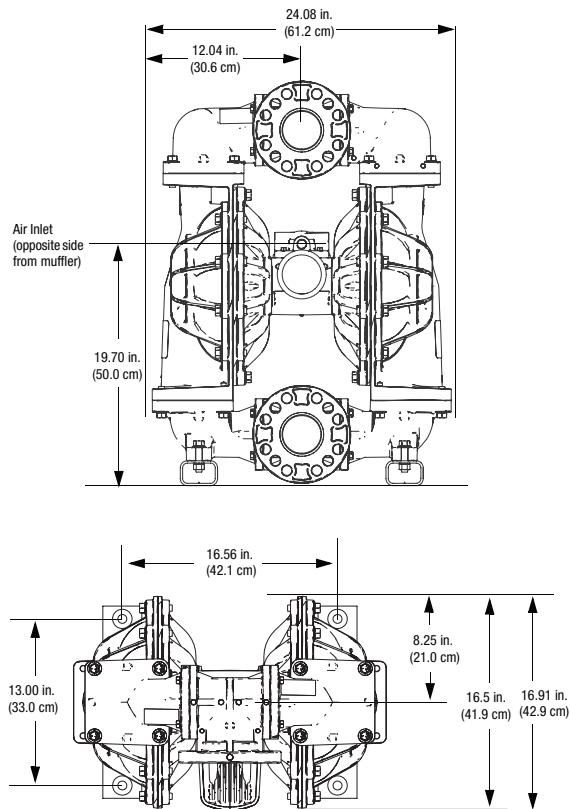
Typical System Drawings



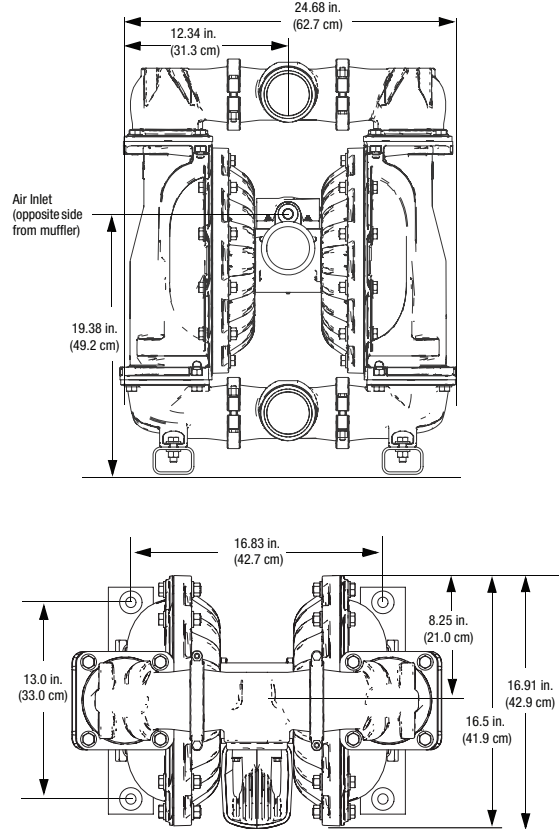
Husky 3300 Metal Pumps

Dimensions

Aluminum



Stainless Steel



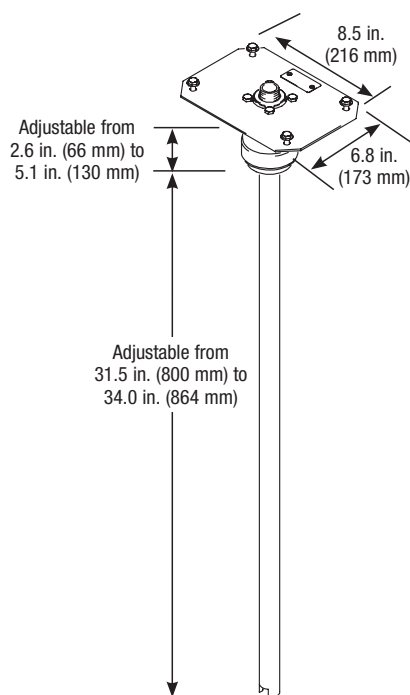
Husky Transfer Pump Packages

55 Gallon (208 liter) Size

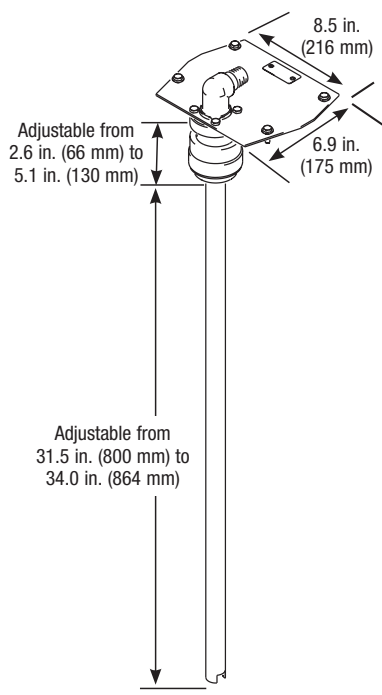
Ordering Information

Package Number	Pump Type	Pump Components				Drum Kit Components			
		Pump Number	Seats	Balls	Diaphragms	Drum Kit Number	Tube Material	Tube Part Number	Easy Out Seal and Mounting Base
233051	Husky 515 Polypropylene	241565	Polypropylene	PTFE	PTFE	233045	Polypropylene	196096	233073
233052	Husky 515 Acetal	241564	Acetal	PTFE	PTFE	233047	Stainless Steel	196094	233074
233053	Husky 515 Acetal	241564	Acetal	PTFE	PTFE	233046	Aluminum	195095	233074
233054	Husky 716 Aluminum	243305	Acetal	Santoprene	Santoprene	233046	Aluminum	196095	233074
233055	Husky 716 Aluminum	243306	Acetal	Buna-N	Buna-N	233046	Aluminum	196095	233074
233056	Husky 716 Aluminum	243307	Acetal	PTFE	PTFE	233046	Aluminum	196095	233074
233057	Husky 716 Stainless Steel	D54311	Stainless Steel	PTFE	PTFE	233048	Stainless Steel	196094	233076

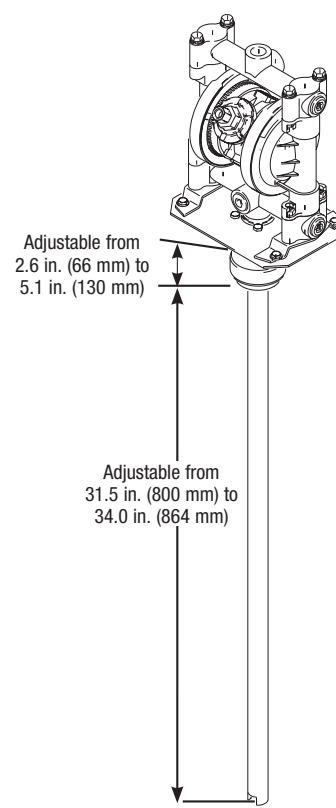
Dimensions



Poly, Acetal and Aluminum Pumps



Stainless Steel Pumps



*Overall height depends on pump.
See page 12 or 15 for pump dimensions*

Husky Transfer Pump Packages



Technical Specifications

Husky 55 gal Transfer Pump	Acetal Husky 515		Polypropylene Husky 515	Aluminum Husky 716	Stainless Steel Husky 716	
Maximum fluid working pressure	100 psi (7 bar, 0.7 MPa)		100 psi (7 bar, 0.7 MPa)	100 psi (7 bar, 0.7 MPa)	100 psi (7 bar, 0.7 MPa)	
Maximum free flow delivery*	12 gpm (57 lpm)		12 gpm (57 lpm)	14 gpm (61 lpm)	14 gpm (61 lpm)	
Maximum pump speed	400 cpm		400 cpm	400 cpm	400 cpm	
Displacement per cycle**	0.04 gallon (0.15 liter)		0.04 gallon (0.15 liter)	0.04 gallon (0.15 liter)	0.04 gallon (0.15 liter)	
Maximum size pumpable solids	0.094 in (2.5 mm)		0.094 in (2.5 mm)	0.094 in (2.5 mm)	0.094 in (2.5 mm)	
Typical sound level at 70 psi (4.9 bar, 0.49 MPa) air @ 125 cpm	67 dBA		67 dBA	67 dBA	67 dBA	
Maximum air consumption	28 scfm (0.672 m3/min)		28 scfm (0.672 m3/min)	28 scfm (0.672 m3/min)	28 scfm (0.672 m3/min)	
Air pressure operating range	25 to 100 psi (1.8 to 7 bar, 0.18 to 0.7 MPa)		25 to 100 psi (1.8 to 7 bar, 0.18 to 0.7 MPa)	25 to 100 psi (1.8 to 7 bar, 0.18 to 0.7 MPa)	25 to 100 psi (1.8 to 7 bar, 0.18 to 0.7 MPa)	
Air inlet size	1/4 npt(f)		1/4 npt(f)	1/4 npt(f)	1/4 npt(f)	
Air exhaust port size	3/8 npt(f)		3/8 npt(f)	3/8 npt(f)	3/8 npt(f)	
Fluid inlet size	3/4 npt(f)		3/4 npt(f)	3/4 npt(f)	3/4 npt(f)	
Fluid outlet size	1/2 and 3/4 npt(f)		1/2 and 3/4 npt(f)	3/4 npt(f)	3/4 npt(f)	
Wetted parts (fluid covers and manifolds)	groundable acetal, PTFE		polypropylene, PTFE	aluminum, stainless steel, PTFE, zinc-plated steel	stainless steel, PTFE	
Pump weight	7.8 lb (3.5 kg)		6.5 lb (2.9 kg)	8.5 lb (3.9 kg)	18 lb (8.2 kg)	
Drum package weight tube material	12.3 lb (5.6 kg) aluminum	14.3 lb (6.5 kg) stainless steel	10.5 lb (4.8 kg) polypropylene	13.0 lb (5.9 kg) aluminum	27.5 lb (12.5 kg) stainless steel	
Drum kit weight easy-out seal material	4.5 lb (2.0 kg) aluminum	6.5 lb (2.9 kg) stainless steel	4.0 lb (1.8 kg) polypropylene	4.5 lb (2.0 kg) acetal	6.5 lb (2.9 kg) acetal	9.5 lb (4.3 kg) stainless steel
Drum package instruction manual	309116		309116	309116	309116	
Instruction manual	308981		308981	308981	308981	

* 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

Husky Transfer Pump Packages

Pump and Agitator Packages

Ordering Information

PART NUMBER	HUSKY 55 GAL (200 L) DISPENSING PACKAGE
231418	Husky 515 acetal pump 241564, stainless steel drum cover 238283, heavy-duty agitator 238157, air-powered drum cover elevator 237746, air controls, hose and dispense valve
231419	Husky 515 acetal pump, stainless steel drum cover, heavy-duty agitator, drum cover elevator

PART NUMBER	HUSKY TWISTORK® PACKAGE
238859	Husky 515 D52911 Polypropylene pump mounted on Twistork
238860	Husky 515 D51911 Acetal pump mounted on Twistork



Technical Specifications

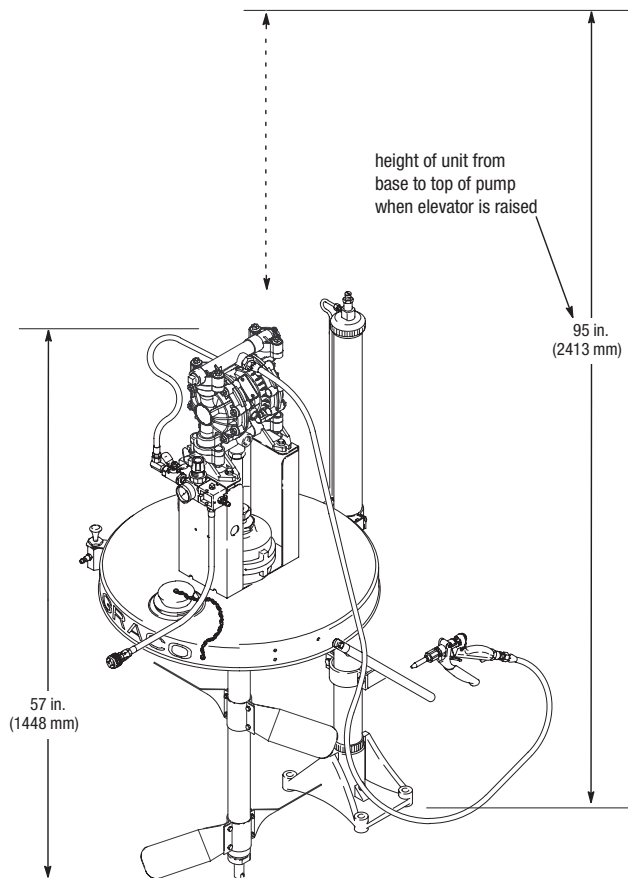
Husky 515 on Twistork Agitator	
Maximum air input pressure	100 psi (7 bar)
Maximum fluid output pressure	100 psi (7 bar)
Maximum siphon flow rate	
with 100 cps material	12 gpm (45.4 lpm)
with 1000 cps material	1.2 gpm (4.54 lpm)
Air inlet	Quick-coupler, nipple (pin)
Fluid outlet size	3/4 npt(f)
Maximum recommended agitator speed	800 rpm
Agitator air consumption	
at 400 rpm	2.5 scfm (0.07 m3 /min)
at 800 rpm	5.7 scfm (0.16 m3 /min)
Pump air consumption	approximately 12 scfm
at 12 gpm (45.4 lpm)	(0.34 m3 /min)
Maximum operating temperature	150° F (66° C)
Weight	32 lb (14.5 kg)
Maximum noise level*	85 dB(A)
Instruction manual	308656

* Tested to CAGI-PNEUROP-1969

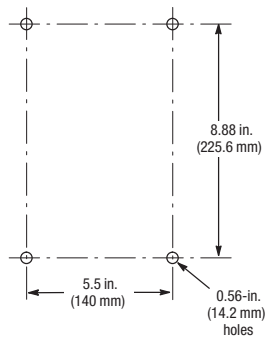
Husky Transfer Pump Packages

Dimensions

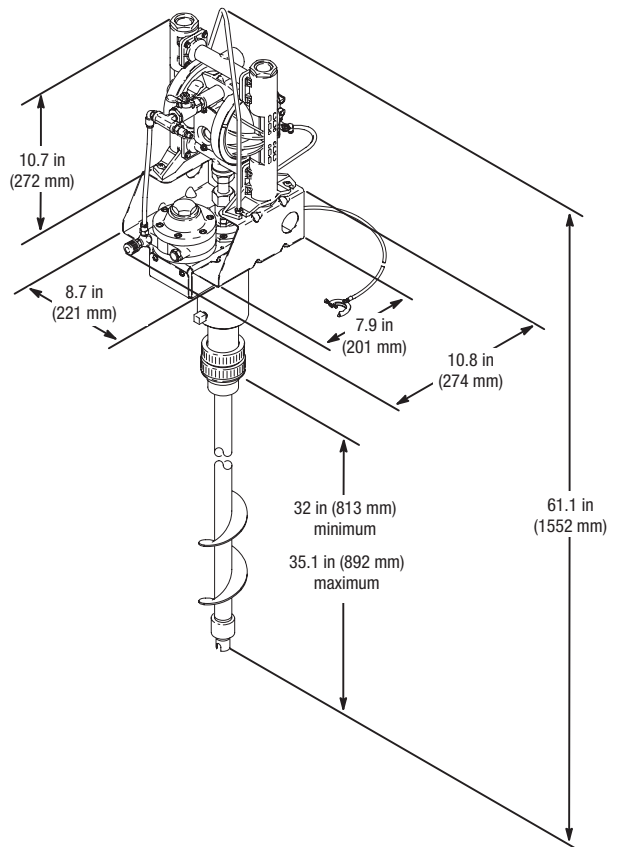
Husky 55 gal Dispensing Package



**Elevator Base
Mounting Hole Layout**



Husky Twistork Package



Husky Pump Accessories

Air-Operated Double Diaphragm

Husky 205 Accessories

Part Number

AIR CONTROLS

Regulator / Filter Assembly 1/4" npt(f) (6.35 mm)	246946
Quick Connect Air Coupler 1/4" npt (6.35 mm)	208536
Quick Connect Air Nipple 1/4" npt (6.35 mm) mbe	169970
Air Shut Off Valve 1/4" npt (6.35mm), bleed type, relieves trapped air downline of valve	110223
Air Runaway Valve (stops pump from cavitating when empty)	224040
Air Muffler (comes with pump)	114174

55-GALLON SIPHON KITS

Polypropylene Suction Kit (includes siphon hose, tube and connectors)	239142
Acetal Suction Kit (includes siphon hose, tube and connectors)	239143
PVDF Suction Kit (includes siphon hose, tube and connectors)	239144

REMOTE PUMP CONTROLLERS

CycleFlo (cpm rate and batch control) 100-240v	195264
CycleFlo II (rate controller with solenoid valve) 120v	195265

Husky 307 Accessories

AIR CONTROLS

Regulator / Filter Assembly 1/4" npt(f) (6.35 mm)	246946
Quick Connect Air Coupler 1/4" npt (6.35 mm)	208536
Quick Connect Air Nipple 1/4" npt (6.35 mm) mbe	169970
Air Shut Off Valve 1/4" npt (6.35 mm), bleed type, relieves trapped air downline of valve	110223
Air Runaway Valve (stop pump from cavitating when empty)	224040
Air Muffler (comes with pump)	112933

55-GALLON SIPHON KITS

Polypropylene Suction Kit (includes siphon hose, tube and connectors)	235502
Acetal Suction Kit (includes siphon hose, tube and connectors)	235500

REMOTE PUMP CONTROLLERS

Husky 307 pumps are not equipped to run in remote mode	N/A
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SPLIT MANIFOLD KITS

By varying the manifold kits, pumps can be configured in different ways (one inlet and two outlets, two inlets and one outlet, and two inlets and two outlets, etc), allowing for system flexibility. Pumps need to be ordered separately. One kit is required for each side (top or bottom). See 308439 for details.

Acetal Split Manifold Kit	237211
Polypropylene Split Manifold Kit	237210
Rubber Foot Kit	236452

WALL MOUNTING BRACKET

Wall mounting bracket for Husky 307 pumps	224835
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Husky Pump Accessories

Husky 515 and Husky 716 Accessories Part Number

AIR CONTROLS

Regulator / Filter Assembly 1/4" npt(f) (6.35 mm)	246946
Quick Connect Air Coupler 1/4" npt (6.35 mm)	208536
Quick Connect Air Nipple 1/4" npt (6.35 mm) mbe	169970
Air Shut Off Valve 1/4" npt (6.35 mm), bleed type, relieves trapped air downline of valve	110223
Air Runaway Valve (stop pump from cavitating when empty)	224040
Air Muffler (comes with pump)	112933
Center Section Conversion Kit (converts an old style Husky 715 to a Husky 515/716)	241631
Center Section Conversion Kit (converts an old remote style Husky 715 to a Husky 515/716)	241664

55-GALLON SIPHON KITS

Drum Kit (includes "easy out seal" mounting base and siphon tube).

Pump models can be mounted to base, but may require opening bottom inlet. See 309116 for details.

Mounting Base with a Polypropylene Siphon Tube	233045
Mounting Base with a Aluminum Siphon Tube	233046
Mounting Base with a Stainless Steel Siphon Tube (used with non sst pumps)	233047
Mounting Base with a Stainless Steel Siphon Tube (for sst pump only)	233048

REMOTE PUMP CONTROLLERS

CycleFlo (cpm rate and batch control) 100-240v	195264
CycleFlo II (rate controller with solenoid valve) 120v	195265

SPLIT MANIFOLD KITS (HUSKY 515 ONLY)

By varying the manifold kits, pumps can be configured in different ways (one inlet and two outlets, two inlets and one outlet, and two inlets and two outlets, etc), allowing for system flexibility. Pumps need to be ordered separately. See manual 308951 for details.

Polypropylene Inlet Manifolds	241240
Polypropylene Outlet Manifolds	241243
Acetal Inlet Manifolds	241241
Acetal Outlet Manifolds	241244
PVDF Inlet Manifolds	241242
PVDF Outlet Manifolds	241245

WALL MOUNTING BRACKET

Wall mounting bracket for Husky 515 & Husky 716 pumps	224835
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MISCELLANEOUS ACCESSORIES

Duckbill Replacement Parts (urethane) for 515 and 716 Husky Pumps	239754
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SURGE SUPPRESSORS

Surge suppressors are designed to reduce the pulsation caused during pump changeover. The suppressor construction is generally closely matched with the pump's material (Stainless Steel with Stainless Steel, Acetal with Aluminum, etc.) and are available in either an adjustable or automatic version. See 308703 for details.

Automatic Husky 750, 3/4" (19.05 mm)	
Polypropylene (wetted bottom and top housings) with a Buna-N bladder	239096
with PTFE bellows	239121
with a Fluoroelastomer bladder	239122

Husky Pump Accessories

Husky 515 and Husky 716 Accessories (continued) Part Number

SURGE SUPPRESSORS (CONTINUED)

Stainless Steel (wetted bottom and top housings) with a Buna-N bladder	239095
with PTFE bellows	239123
with a Fluoroelastomer bladder	239124
Acetal (wetted bottom and top housings) with a Buna-N bladder	239094
with PTFE bellows	239125
Adjustable Husky 750, 3/4" (19.05 mm)	
Polypropylene (wetted bottom and top housings) with a Buna-N bladder	239091
with PTFE bellows	239129
with a Fluoroelastomer bladder	239130
Stainless Steel (wetted bottom and top housings) with a Buna-N bladder	239090
with PTFE bellows	239131
with a Fluoroelastomer bladder	239132
Acetal (wetted bottom and top housings) with a Buna-N bladder	239089
with PTFE bellows	239133

PTFE/EPDM OVERMOLDED DIAPHRAGMS

Industrial upgrade kits – includes new airside diaphragm plate	
Upgrade kit for 0.5 in (1.27 cm) and 0.75 in (1.905 cm) pump	24N321

LEAK DETECTOR

Leak detectors are designed to shut off the pump in the event a diaphragm fails. The leaking material flows out the air section and is captured by the leak detector reservoir. Once the reservoir is filled, a signal is sent that would shut off the pump. These detectors should only be used when a massive failure is allowed.

Polypropylene Housings with PVC Wetted Parts	239080
Shut Off Valve Kit (used in conjunction with 239080)	113870

Husky 1050, 1050HP, 1590, 15120, 2150, 2200 Accessories

AIR CONTROLS

Regulator / Filter Assembly 1/2" npt(f) (12.7 mm)	246947
Quick Connect Air Coupler 1/2" npt (12.7 mm)	110199
Quick Connect Air Nipple 1/2" npt (12.7 mm) mbe	110196
Air Shut Off Valve 1/2" npt (12.7mm), bleed type, relieves trapped air downline of valve	110225
Air Runaway Valve (stop pump from cavitating when empty)	224040
Air Muffler (comes with pump) 1050 pumps	24D642
Air Muffler (comes with pump) 1590 and 2150 pumps	102656
Center Section Conversion Kit (converts an aluminum center section to sst. Includes air covers).	
Husky 1590	246451
Husky 2150	246452

55-GALLON SIPHON KIT

Siphon kit is used for drawing fluids from 55-gallon sized containers, through a 2" bung opening.	
Kit comes with carbon steel tube, 8' (2.44m) polyethylene hose and couplings	222916

REMOTE PUMP CONTROLLERS

CycleFlo (cpm rate and batch control) 100-240v	195264
CycleFlo II (rate controller with solenoid valve) 120v	195265

DUAL INLET MANIFOLD

Aluminum Husky 1050 only	24D205
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CONVERSION KITS

Remote Valve Conversion Kit for Aluminum Husky 1050 only	24D037
Remote Valve Conversion Kit for Polypropylene Husky 1050 only	24D038
Remote Valve Conversion Kit for Conductive Polypropylene Husky 1050 only	24D039