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Process Equipment Catalog

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Process Equipment Buyer's Guide

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Air-Operated Double Diaphragm Pumps
Model Overview

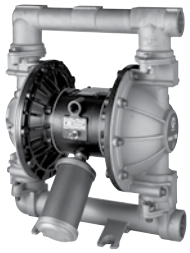
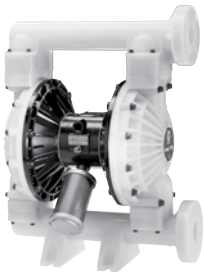




Model	Husky 205 Plastic	Husky 307 Plastic	Husky 515 Plastic	Husky 716 Metal	Husky 1050 Plastic
Connection Size	1/4 in (6.3 mm)	3/8 in (9.4 mm)	1/2 in (12.7 mm)	3/4 in (19.1 mm)	1 in (25.4 mm)
Thread Type	NPT or BSP	NPT or BSP	NPT or BSP	NPT or BSP	ANSI/DIN Flange
Air Valve	Standard and Remote	Standard	Standard and Remote	Standard and Remote	Standard, Smart and Remote
Maximum Flow Rate	5 gpm (19 lpm)	7 gpm (26 lpm)	15 gpm (57 lpm)	16 gpm (61 lpm)	50 gpm (189 lpm)
Maximum Discharge Pressure	100 psi (7.0 bar, 0.7 MPa)	100 psi (7.0 bar, 0.7 MPa)	100 psi (7.0 bar, 0.7 MPa)	100 psi (7.0 bar, 0.7 MPa)	125 psi (8.6 bar. 0.9 MPa)
Materials of Construction Available	Polypropylene, PVDF, Acetal	Polypropylene, Acetal	Polypropylene, PVDF, Acetal	Aluminum, 316 Stainless Steel	Polypropylene, Conductive Poly, PVDF
Center Section Available	Polypropylene	Polypropylene	Polypropylene	Polypropylene	Polypropylene, Conductive Poly
Pump Weight	2.0 lb (0.9 kg) Polypropylene	4.75 lb (2.2 kg) Polypropylene	6.5 lb (2.9 kg) Polypropylene	8.5 lb (3.9 kg) Aluminum	18 lb (8.2 kg) Polypropylene
	2.5 lb (1.1 kg) Acetal	5.2 lb (2.4 kg) Acetal	7.8 lb (3.5 kg) Acetal	18 lb (8.2 kg) Stainless Steel	26 lb (11.8 kg) PVDF
	2.8 lb (1.3 kg) PVDF		8.5 lb (3.9 kg) PVDF		
Maximum Solids	0.06 in (1.5 mm)	0.063 in (1.6 mm)	0.094 in (2.5 mm)	0.094 in (2.5 mm)	0.125 in (3.2 mm)

NEW! Husky 1050



Husky 1050 Metal	Husky 1590 Plastic	Husky 1590 Metal	Husky 2150 Plastic	Husky 2150 Metal	Husky 3275 Metal
1 in (25.4 mm)	1-1/2 in (38.1 mm)	1-1/2 in (38.1 mm)	2 in (50.8 mm)	2 in (50.8 mm)	3 in (76.2 mm)
NPT or BSP	ANSI Flange	NPT or BSP	ANSI Flange	NPT or BSP	DIN/ANSI, NPT and BSP
Standard, Smart and Remote	Standard and Remote	Standard and Remote	Standard and Remote	Standard and Remote	Standard
50 gpm (189 lpm)	100 gpm (379 lpm)	100 gpm (379 lpm)	150 gpm (568 lpm)	150 gpm (568 lpm)	275 gpm (1041 lpm)
125 psi (8.6 bar, 0.9 MPa)	120 psi (8.3 bar, 0.8 MPa)	120 psi (8.3 bar, 0.8 MPa)	120 psi (8.3 bar, 0.8 MPa)	120 psi (8.3 bar, 0.8 MPa)	120 psi (8.3 bar, 0.8 MPa)
Aluminum, 316 Stainless Steel, Hastelloy	Polypropylene, PVDF	Aluminum, 316 Stainless Steel	Polypropylene, PVDF	Aluminum, 316 Stainless Steel, Ductile Iron	Aluminum
Coated Aluminum, Polypropylene, Conductive Poly	Coated Aluminum, 316 Stainless Steel	Coated Aluminum, 316 Stainless Steel	Coated Aluminum, 316 Stainless Steel	Coated Aluminum, 316 Stainless Steel	Coated Aluminum
23 lb (10.4 kg) Aluminum	35 lb (16 kg) Polypropylene	33.5 lb (15.2 kg) Aluminum	49 lb (22 kg) Polypropylene	58 lb (26.3 kg) Aluminum	150 lb (68 kg) Aluminum
36.3 - 41 lb (16.5-18.6 kg) Stainless Steel	49 lb (22 kg) PVDF	85 lb (38.6 kg) Stainless Steel	68 lb (31 kg) PVDF	111 lb (50.3 kg) Stainless Steel	
41 lb (18.6 kg) Hastelloy				130 lb (59 kg) Ductile Iron	
0.125 in (3.2 mm)	0.188 in (4.8 mm)	0.188 in (4.8 mm)	0.25 in (6.3 mm)	0.25 in (6.3 mm)	0.375 in (9.4 mm)
1 inch Pump Family					

Pump Selection Key
Husky AODD Pumps

Pump Designation

Part numbers are located on ID tag on center section of all Husky diaphragm pumps.

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
1 = 1/4" (6.35 mm) Standard: polypropylene center section 2 = 1/4" (6.35 mm) Remote: polypropylene center section 3 = 3/8" (9.52 mm) Standard: aluminum center section 5 = 1/2" (12.7 mm) Standard: polypropylene center section 4 = 1/2" (12.7 mm) Remote: polypropylene center section 5 = 3/4" (19.05 mm) Standard: polypropylene center section 4 = 3/4" (19.05 mm) Remote: polypropylene center section 1" (25.4 mm) refer to Husky 1050 Selector Tool, page 5 B = 1-1/2" (38.1 mm) Standard: aluminum center section C = 1-1/2" (38.1 mm) Remote: aluminum center section T = 1-1/2" (38.1 mm) Standard: stainless steel center section U = 1-1/2" (38.1 mm) Remote: stainless steel center section F = 2" (50.8 mm) Standard: aluminum center section G = 2" (50.8 mm) Remote: aluminum center section V = 2" (50.8 mm) Standard: stainless steel center section W = 2" (50.8 mm) Remote: stainless steel center section K = 3" (76.2 mm) Standard: aluminum center section	1 = Acetal (npt) 2 = Poly (npt) 3 = Aluminum (npt) 4 = Stainless Steel (npt) 5 = PVDF (npt) 6 = Ductile Iron (npt) A = Acetal * (bsp) B = Poly * (bsp) C = Aluminum (bsp) D = Stainless Steel (bsp) E = PVDF (bsp) F = Ductile Iron (bsp) H = 2 npt Alum Extended G = 2 bsp Alum Extended	2 = Acetal 3 = Stainless Steel 4 = Hardened SST 5 = TPE 6 = Santoprene 7 = Buna N 8 = Fluoroelastomer 9 = Polypropylene A = PVDF G = Geolast B = SST with viton seal C = Santoprene with viton seal	1 = PTFE 2 = Acetal 3 = Stainless Steel 4 = Hardened SST 5 = TPE 6 = Santoprene 7 = Buna N 8 = Fluoroelastomer 9 = Polypropylene A = PVDF G = Geolast	1 = PTFE 5 = TPE 6 = Santoprene 7 = Buna N 8 = Fluoroelastomer G = Geolast

** = BSP plastic in 1/2" (12.7mm) pumps*
≥1" Plastic pumps flange connections
3" Aluminum pumps flange/npt (f) combination connections
Note: Above matrix is all possible combinations. All combination may not be available. See specific pump listings for available combinations.

Diaphragm Pump Kit Designation

When selecting a kit, use the same code numbers as for the pumps regarding pump size, seat, ball/checks and diaphragm.

D	0	X	X	X	X
Diaphragm Pump	Kit	Pump Size	Seats	Balls/ Checks	Diaphragms

Pump Size	Seats	Balls/Checks	Diaphragm
1 = 1/4 in (6.35 mm) 3 = 3/8 in (9.52 mm) 5 = 1/2 in (12.7 mm) and 3/4 in (19.05 mm) 1" (25.4 mm) refer to Husky 1050 Selector Tool, page 5 B = 1-1/2 in (38.1 mm) metal pump C = 1-1/2 in (38.1 mm) plastic pump F = 2 in (50.8 mm) metal pump G = 2 in (50.8 mm) plastic pump K = 3 in (76.2 mm)	0 = No seat 2 = Acetal 3 = Stainless Steel 4 = Hardened SST 5 = TPE 6 = Santoprene 7 = Buna N 8 = Fluoroelastomer 9 = Poly A = PVDF B = SST with viton seal C = Santoprene with viton seal G = Geolast	1 = PTFE 2 = Acetal 3 = Stainless Steel 4 = Hardened SST 5 = TPE 6 = Santoprene 7 = Buna-N 8 = Fluoroelastomer 9 = Poly A = PVDF G = Geolast 0 = No Balls/Checks	1 = PTFE 5 = TPE 6 = Santoprene 7 = Buna-N 8 = Fluoroelastomer G = Geolast 0 = No Diaphragm

NEW! Husky 1050 Selector Tool

Find the Right Pump for your Application

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

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

Wetted Parts Material Options

Acetal *Material used for seats, balls & wetted body parts*
- Wide range of solvent resistance
- Withstands extreme fatigue
- Good level of abrasion resistance
- Groundable for use with flammables
- Not for use with acids or bases

Aluminum *Material used for air motor & wetted body parts*
- Medium corrosion and abrasion resistance
- Not for use with halogenated hydrocarbons

Ductile Iron *Material used for wetted body parts*
- High abrasion resistance

Hardened SST *Material used for seats and balls*
- Moderate chemical resistance
- Good abrasion resistance
- Abrasion resistant balls and seats

PVDF *Material used for wetted body parts & seats*
- Strong chemical resistance: acids and bases
- Good abrasion resistance
- High temperature resistance

Polypropylene *Material used for air motor, wetted body parts, seats & balls*
- Wide chemical compatibility
- General purpose
- Inexpensive alternative

Stainless Steel *Material used for air motor, wetted body parts, and seats and balls*
- High level of corrosion and abrasion resistance
- Passivated for use with waterbase coatings

Buna-N *Material used for seats, balls and diaphragms*
- Good for petroleum-based fluids
- Not for use with strong solvents or chemicals
- Food grade*

Geolast *Material used for seats, balls & diaphragms*
- Good abrasion resistance
- Same chemical compatibility as Buna-N and TPE

TPE *Material used for seats, balls & diaphragms*
- Good abrasion resistance
- Often substituted for Buna-N

Santoprene® *Material used for seats, balls & diaphragms*
- Good abrasion and chemical resistance
- Not for use with solvents or hydrocarbons
- Often substituted for EPDM or EPR
- Food grade*

PTFE *Material used for balls & diaphragms*
- Excellent when used with solvents
- Poor abrasion resistance
- Widest chemical compatibility with fluids
- Food grade*

Fluoroelastomer *Material used for seats, balls & diaphragms*
- High level of corrosion resistance with acids
- Resists unleaded fuels
- Food grade*

Hastelloy *Material used for wetted body parts*
- Good resistance to aggressive chemicals and in corrosive environments
- Compatible with high temperature fluids

*Not recommended for use with Husky 1050 diaphragms

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	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) Standard Air Valve	Part Number (NPT Ported) Remote* Air Valve	Part Number (BSP Ported) Standard Air Valve	Part Number (BSP Ported) Remote* Air Valve	Materials for Check Valves	Materials for Diaphragms	Fluid Kit	Air Kit	Air Control**
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*

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 operating temperature***	180°F (82°C)	180°F (82°C)	180°F (82°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)
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*

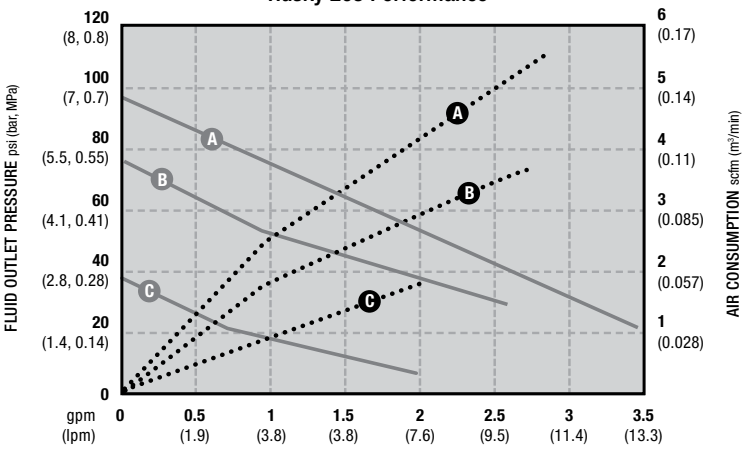
**** Actual pump performance may be affected by prolonged usage at temperature*

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

Husky 205 Plastic Pumps

Performance Charts

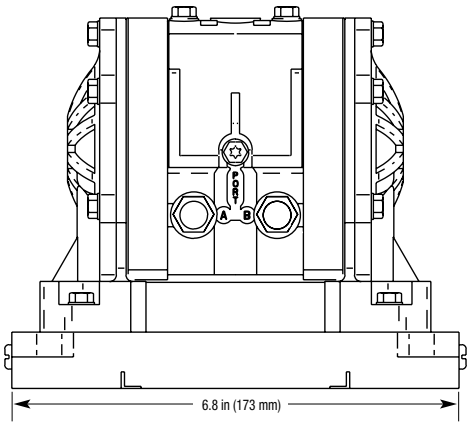
Husky 205 Performance

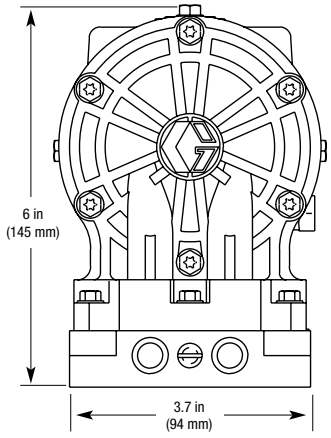


(Pump tested in water with inlet submerged

AIR PRESSURE	LEGEND
(A) = at 100 psi (7 bar, 0.7 MPa)	Air Consumption •••••
(B) = at 70 psi (4.8 bar, 0.48 MPa)	Fluid Flow ——
(C) = at 40 psi (2.8 bar, 0.28 MPa)	

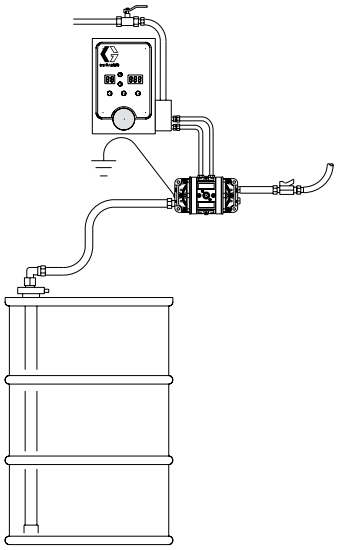
Dimensions





Typical System Drawings

Husky 205 Wall-Mount with CycleFlo



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 = Acetal	1 = PTFE	1 = PTFE
	2 = Poly (npt)	3 = Stainless Steel	3 = SST	5 = TPE
		9 = Polypropylene	5 = TPE	6 = Santoprene
	A = Acetal * (bsp)		6 = Santoprene	7 = Buna N
	B = Poly * (bsp)		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	Buna	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	Buna	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	Buna	D03977	239952	246946

** Air control includes air regulator and filter with gauge*

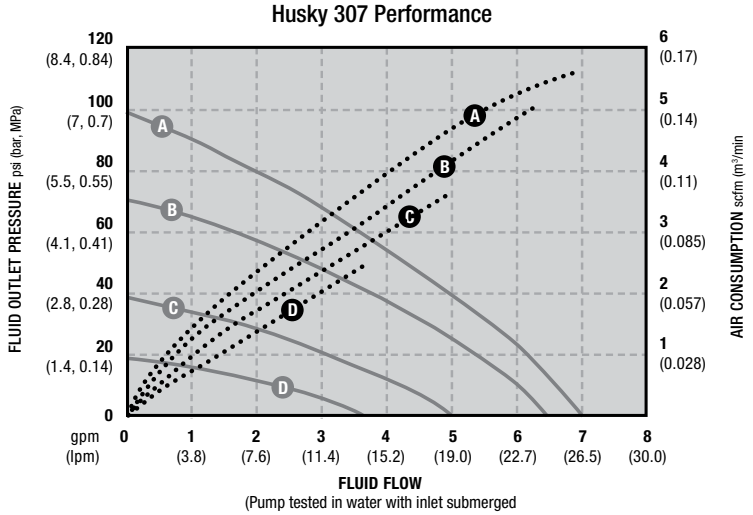
Husky 307 Plastic Pumps

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 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)
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

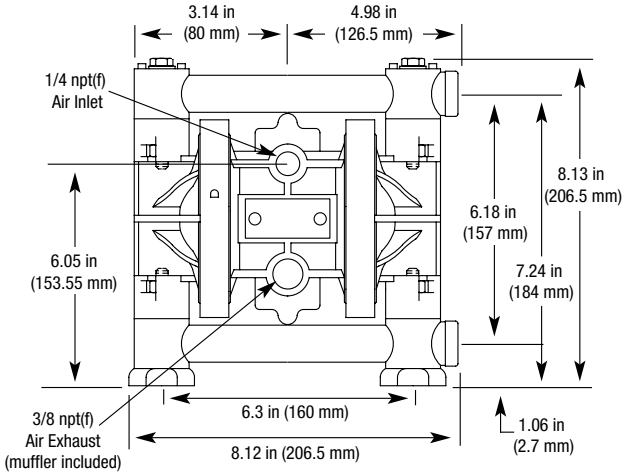
**Flow rates are with muffler and do not vary based on diaphragm material*
***Displacement per cycle may vary based on suction condition, discharge head, air pressure and fluid type*
****Actual pump performance may be affected by prolonged usage at temperature*

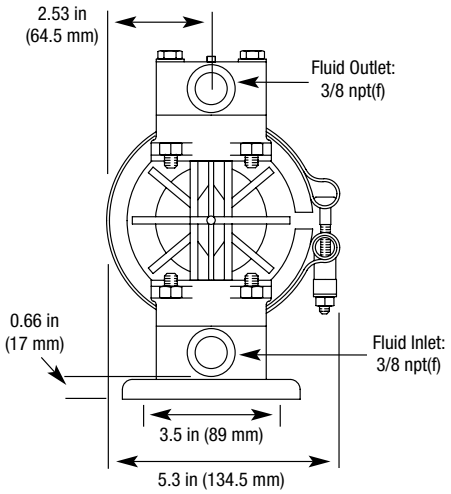
Performance Chart



AIR PRESSURE	LEGEND
(A) = at 100 psi (7 bar, 0.7 MPa)	Air Consumption
(B) = at 70 psi (4.8 bar, 0.48 MPa)	Fluid Flow
(C) = at 40 psi (2.8 bar, 0.28 MPa)	
(D) = at 20 psi (1.4 bar, 0.14 MPa)	

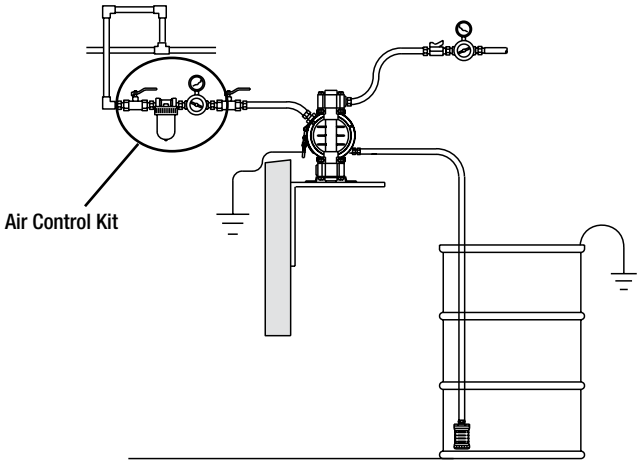
Dimensions



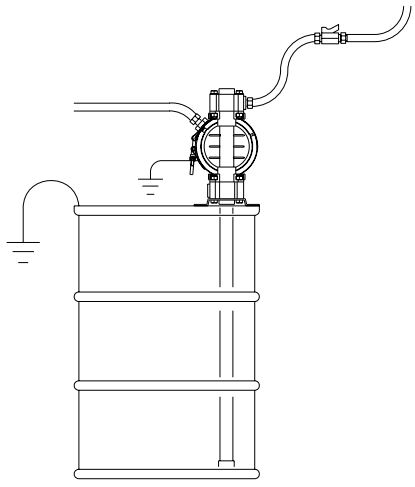


Typical System Drawings

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	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 = 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) Standard: 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	
* = BSP plastic in 1/2" (12.7 mm) pumps			0 = Duckbill	

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	Buna	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	D05D07	241657	246946
Polypropylene	D52211	D42211	D5B211	D4B211	Acetal	PTFE	PTFE	D05211	241657	246946
	D52277	D42277	D5B277	D4B277	Acetal	Buna	Buna	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	Buna	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	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*



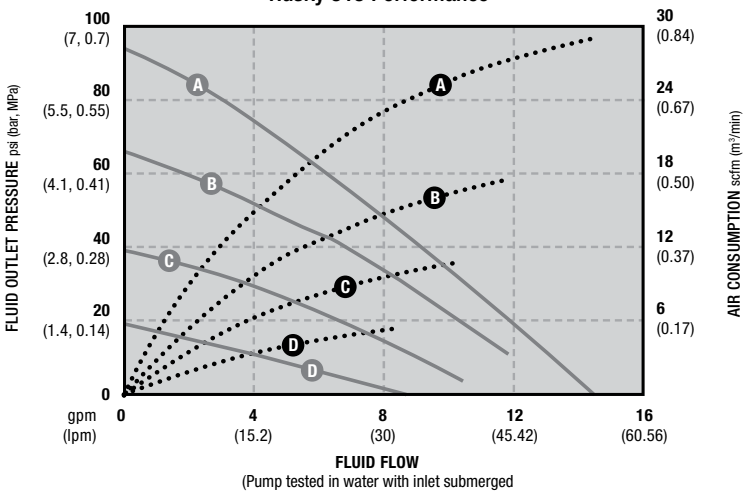
Technical Specifications

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 operating temperature***	180°F (82°C)	150°F (66°C)	150°F (66°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)
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*
****Actual pump performance may be affected by prolonged usage at temperature. **** Hybrid thread allows for either 1/4 npt or 1/4 bspt fitting*

Performance Charts

Husky 515 Performance

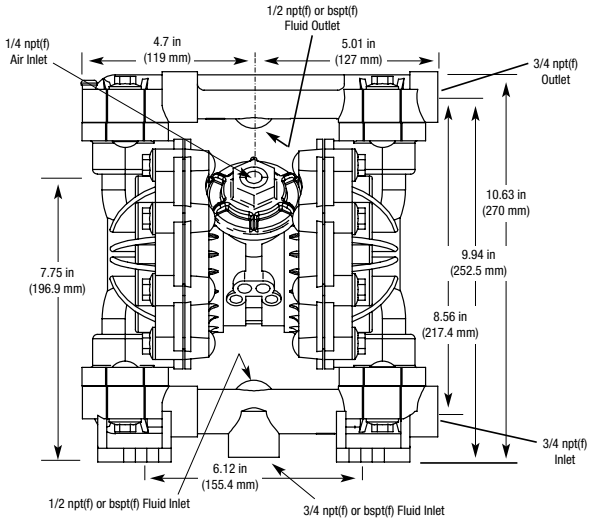


(Pump tested in water with inlet submerged

AIR PRESSURE	LEGEND
(A) = at 100 psi (7 bar, 0.7 MPa)	Air Consumption ·····
(B) = at 70 psi (4.8 bar, 0.48 MPa)	Fluid Flow ——
(C) = at 40 psi (2.8 bar, 0.28 MPa)	
(D) = at 20 psi (1.4 bar, 0.14 MPa)	

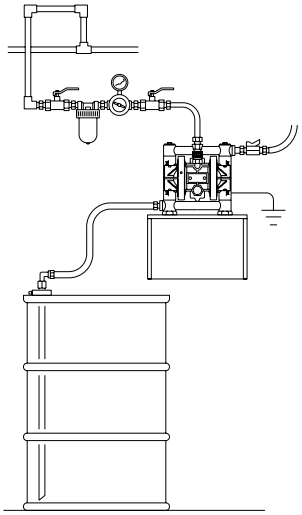
Husky 515 Plastic Pumps

Dimensions

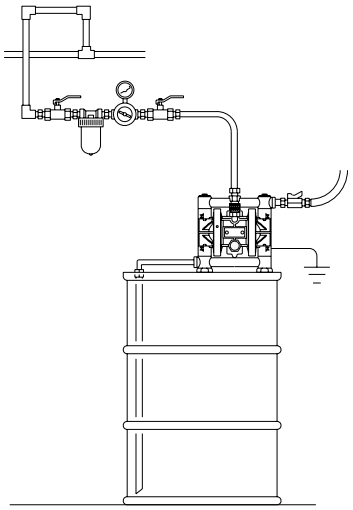


Typical System Drawings

Husky 515 Wall-Mount with Drum Feed



Husky 515 Drum-Mount with Siphon Feed



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 = 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) Standard Air Valve	Part Number (NPT Ported) Remote* Air Valve	Part Number (BSP Ported) Standard Air Valve	Part Number (BSP Ported) Remote* Air Valve	Materials for Seats	Materials for Balls	Materials for Diaphragms	Fluid Kit	Air Kit	Air Control**
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	Buna	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	Buna	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	Buna	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	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	Buna	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*

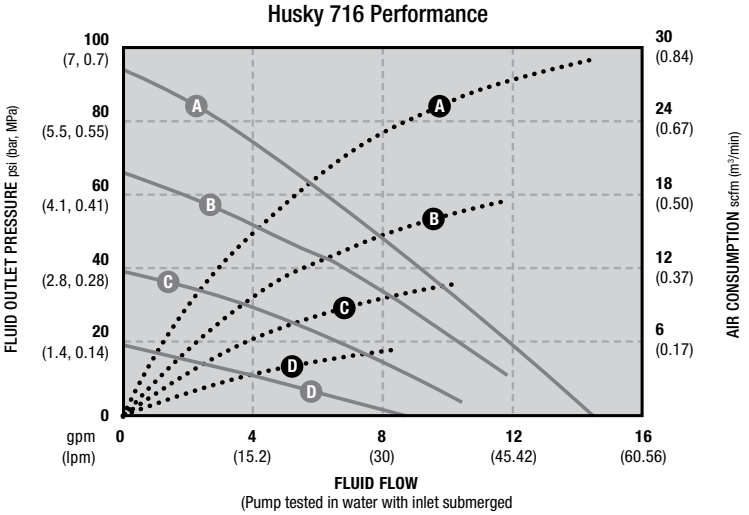
Husky 716 Metal Pumps

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 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)
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, Santroprene, Zinc-Plated Steel	Acetal, Polypropylene, Stainless Steel, Polyester, Santoprene, Fluoroelastomer, Nickel-Plated Brass, Epoxy-Coated Steel
Instruction manual	308981	308981

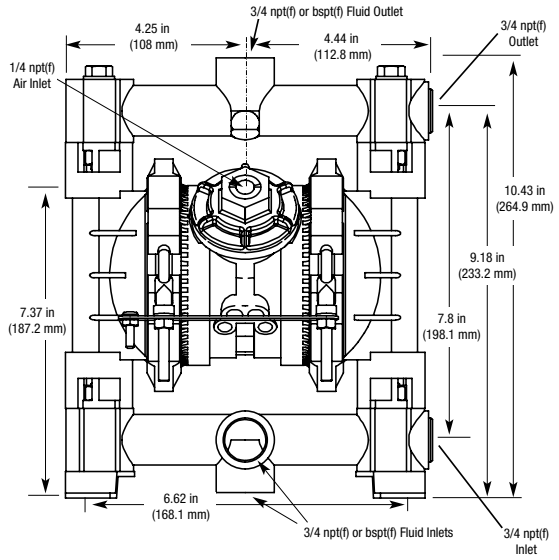
**Flow rates are with muffler and do not vary based on diaphragm material*
***Displacement per cycle may vary based on suction condition, discharge head, air pressure and fluid type*
****Actual pump performance may be affected by prolonged usage at temperature*

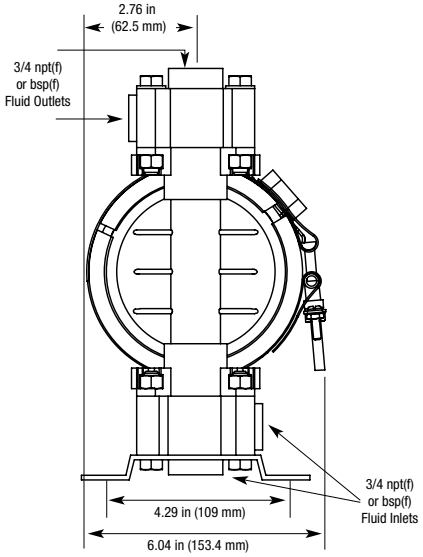
Performance Charts



AIR PRESSURE	LEGEND
(A) = at 100 psi (7 bar, 0.7 MPa)	Air Consumption •••••
(B) = at 70 psi (4.8 bar, 0.48 MPa)	Fluid Flow ——
(C) = at 40 psi (2.8 bar, 0.28 MPa)	
(D) = at 20 psi (1.4 bar, 0.14 MPa)	

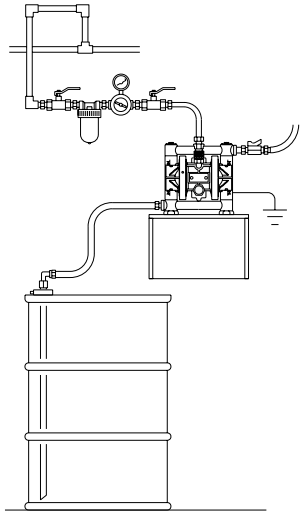
Dimensions



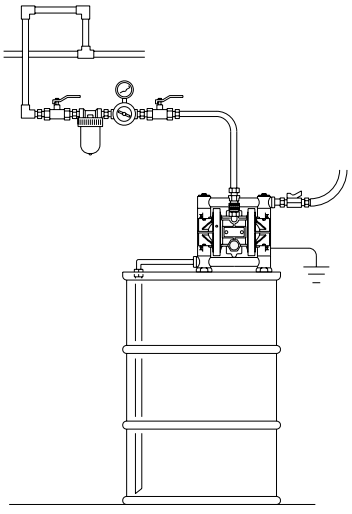


Typical System Drawings

Husky 716 Wall-Mount with Drum Feed



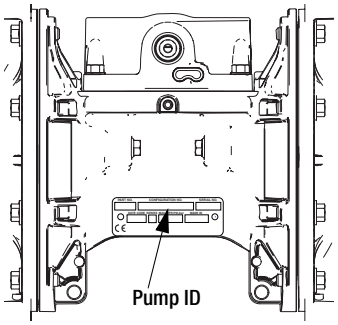
Husky 716 Drum-Mount with Siphon Feed



Husky 1050 Plastic Pumps
Air-Operated Double Diaphragm

NEW! Husky 1050 Selector Tool

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



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

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

Pump Configurations

Pump (1 inch ports, 50 gpm)	Center Section and Air Valve Material		Air Valve/Monitoring
1050C ★ Conductive Polypropylene	Conductive Polypropylene	**C01A**	Standard
		C01B	Pulse Count ✖
		C01C	DataTrak ✖
		C01D	Remote
1050P Polypropylene	Polypropylene	**P01A**	Standard
		P01B	Pulse Count ✖
1050F PVDF		**P01C**	DataTrak ✖
		P01D	Remote

Fluid Covers and Manifolds	
C1	Conductive polypropylene, center flange
C2	Conductive polypropylene, end flange
P1	Polypropylene, center flange
P2	Polypropylene, end flange
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 **1050C** (Conductive Polypropylene) pumps are certified: Ex II 2 G c IIC T4

✖ DataTrak and Pulse Count are certified: Ex II 2 G — EEx ia IIA T3, Nemko 06ATEX1124

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	24B773	24B635	24B646	24B628	Center
	649006	Polypropylene	PTFE	PTFE/EPDM 2 Piece	24B773	24B635	24B645	24B627	Center
	649034	Polypropylene	PTFE	PTFE/EPDM 2 Piece	24B773	24B635	24B645	24B627	End
Conductive Polypropylene	649218	Acetal	PTFE	PTFE/EPDM 2 Piece	24B775	24B630	24B645	24B627	End
	649211	316 SST	PTFE	PTFE/EPDM 2 Piece	24B775	24B637	24B645	24B627	End
PVDF	649392	316 SST	PTFE	PTFE/EPDM 2 Piece	24B773	24B637	24B645	24B627	End
	649398	PVDF	PTFE	PTFE/EPDM 2 Piece	24B773	24C721	24B645	24B627	End

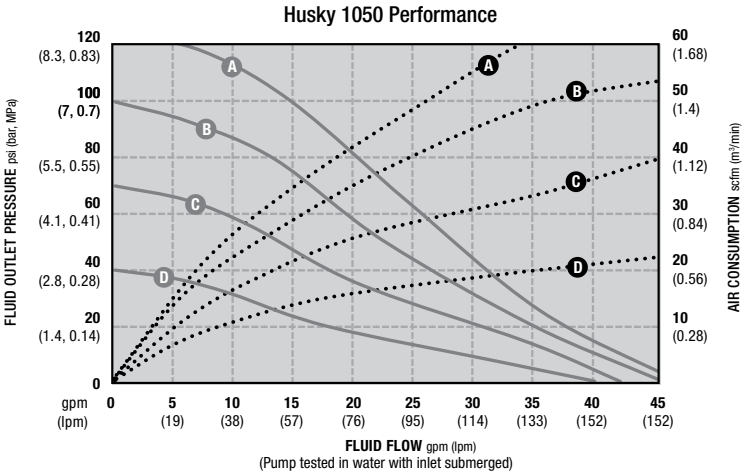
Technical Specifications

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.*

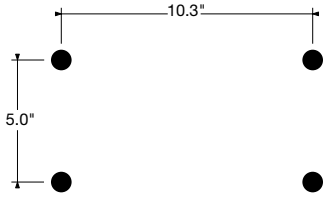
Husky 1050 Plastic Pumps

Performance Charts

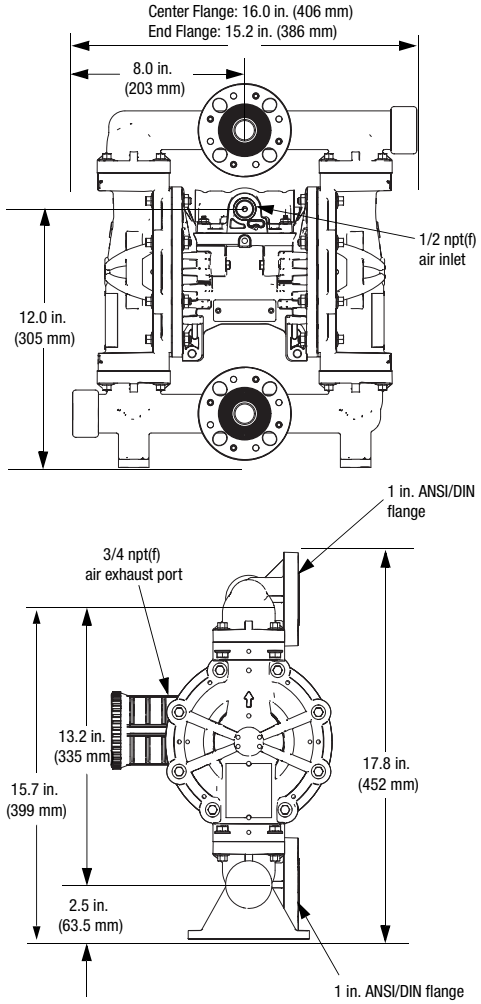


AIR PRESSURE	LEGEND
Ⓐ = at 125 psi (8.3 bar, 0.83 MPa)	Air Consumption
Ⓑ = at 100 psi (7 bar, 0.7 MPa)	Fluid Flow
Ⓒ = at 70 psi (4.8 bar, 0.48 MPa)	
Ⓓ = at 40 psi (2.8 bar, 0.28 MPa)	

Mounting Pattern

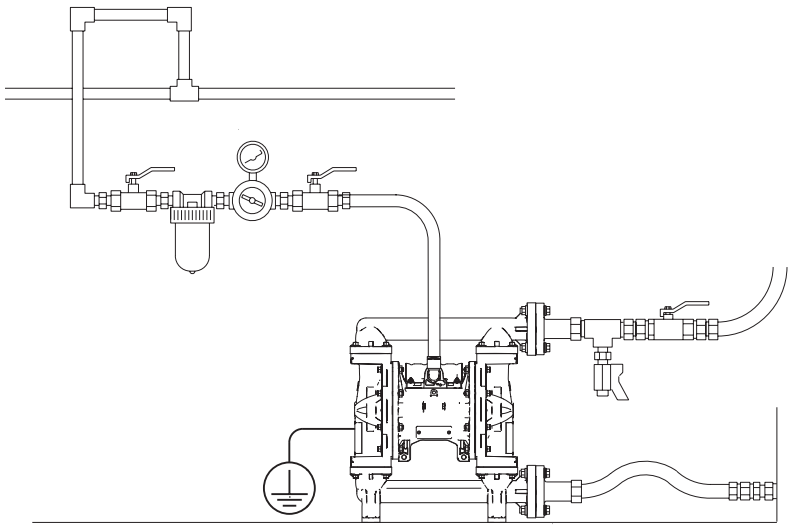


Dimensions



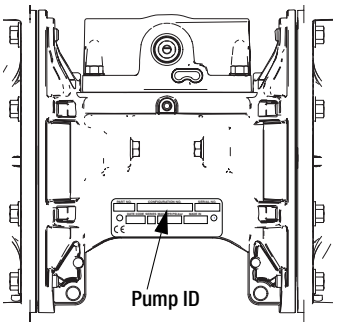
Typical System Drawings

Husky 1050 Floor-Mount



NEW! Husky 1050 Selector Tool

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



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

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

Pump Configurations

Pump (1 inch ports, 50 gpm)	Center Section and Air Valve Material		Air Valve/Monitoring
1050A ★ Aluminum	Aluminum	**A01**	Standard
		A01B	Pulse Count ✖
1050S‡ Stainless Steel		**A01C**	DataTrak ✖
		A01D	Remote
1050H Hastelloy	Conductive Polypropylene	**C01A**	Standard

Fluid Covers and Manifolds	
A1	Aluminum, standard ports, inch
A2	Aluminum, standard ports, metric
S1	Stainless steel, standard ports, inch
S2	Stainless steel, standard ports, metric
H1	Hastelloy, standard ports, inch
H2	Hastelloy, standard ports, metric

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

Check Valve Seats	
AC	Acetal
AL	Aluminum
BN	Buna-N
FK	FKM Fluoroelastomer
GE	Geolast®
PP	Polypropylene
SP	Santoprene®
SS	316 Stainless Steel
TP	TPE

Check Valve Balls	
AC	Acetal
BN	Buna-N
CR	Polychloroprene Standard
CW	Polychloroprene Weighted
FK	FKM Fluoroelastomer
GE	Geolast
PT	PTFE
SP	Santoprene
SS	316 Stainless Steel
TP	TPE

Diaphragm	
BN	Buna-N
CO	Polychloroprene Overmolded
FK	FKM Fluoroelastomer
GE	Geolast
PO	PTFE/EPDM Overmolded
PT	PTFE/EPDM Two-Piece
SP	Santoprene
TP	TPE

Manifold O-Rings	
—	None
PT	PTFE

ATEX Certifications

★ All **1050A** (Aluminum) pumps are certified:

⟨Ex⟩ **II 2 G c IIC T4**

‡ **1050S** (Stainless Steel) pumps with aluminum or conductive polypropylene centers are certified:

⟨Ex⟩ **II 2 G c IIC T4**

✖ DataTrak and Pulse Count are certified:

⟨Ex⟩ **II 2 G**

EEx ia IIA T3
Nemko
06ATEX1124

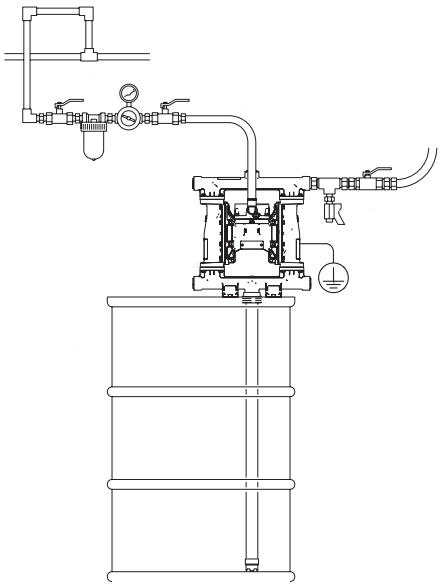
Husky 1050 Metal Pumps

Popular Models

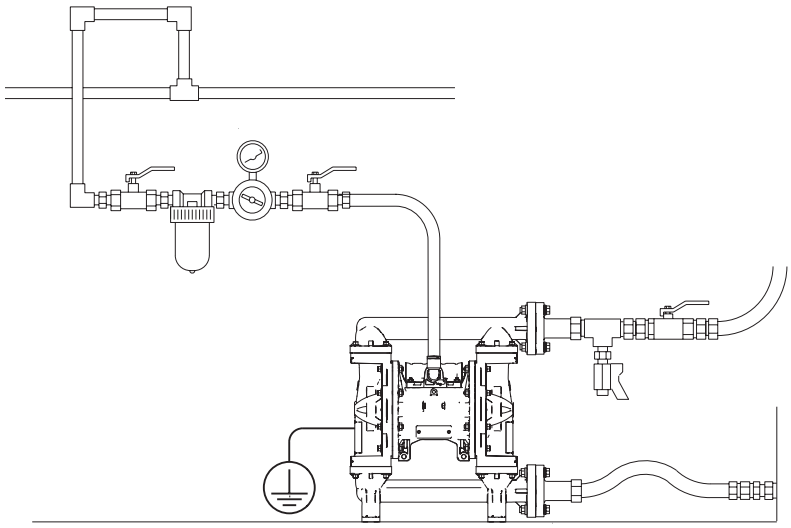
Material	Part Number		Materials for Seats	Materials for Balls	Materials for Diaphragms	Air Valve Replacement Kit	Seat Kit	Ball Kit	Diaphragm Kit
	Standard Air Valve	Remote Air Valve							
Aluminum	647666	647502	Thermoplastic Polyester Elastomer	Acetal	Thermoplastic Polyester Elastomer	24B766	24B634	24B639	24B624
	647016 (UL Certified)		Thermoplastic Polyester Elastomer	Acetal	Thermoplastic Polyester Elastomer	24B766	24B634	24B639	24B624
	647075	647561	Acetal	PTFE	PTFE/EPDM 2 Piece	24B766	24B630	24B645	24B627
	647040	647526	Geolast	Geolast	Geolast	24B766	24B633	24B641	24B623
	647035	647521	Santoprene	Santoprene	Santoprene	24B766	24B636	24B646	24B628
	647028	647514	316 SST	PTFE	PTFE/EPDM 2 Piece	24B766	24B637	24B645	24B627
	647004	647490	Polypropylene	PTFE	PTFE/EPDM 2 Piece	24B766	24B635	24B645	24B627
	647018	647504	316 SST	316 SST	PTFE/EPDM 2 Piece	24B766	24B637	24B647	24B627
Stainless Steel	651009	651125	316 SST	PTFE	PTFE/EPDM 2 Piece	24B766	24B637	24B645	24B627
Hastelloy	651440		Hastelloy C-22	PTFE	PTFE/EPDM 2 Piece	24B773	24B638	24B645	24B627

Typical System Drawings

Husky 1050 Bung-Mount



Husky 1050 Floor-Mount





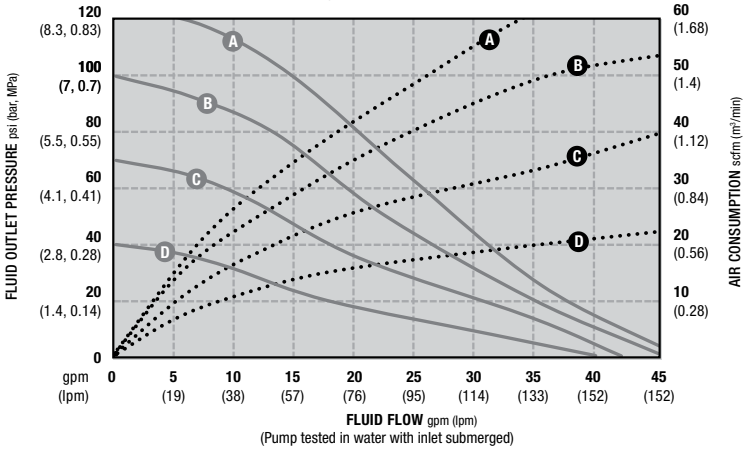
Technical Specifications

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)
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 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 36.3 lb (16.5 kg) with polypropylene center 37.3 lb (16.9 kg) with aluminum center 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
Repair/parts manual	313435	313435	313435

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

Performance Charts

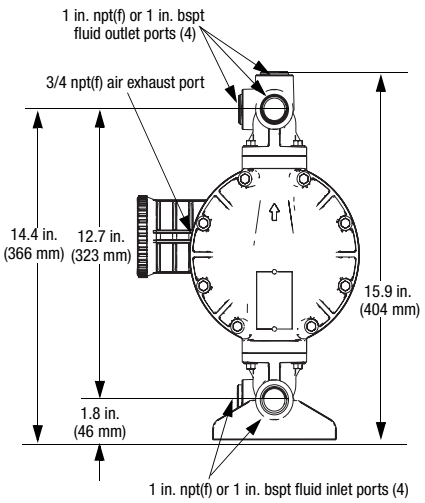
Husky 1050 Performance

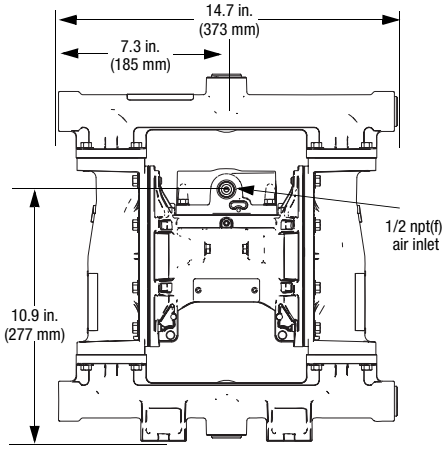


AIR PRESSURE	LEGEND
(A) = at 125 psi (8.3 bar, 0.83 MPa)	Air Consumption •••••
(B) = at 100 psi (7 bar, 0.7 MPa)	Fluid Flow ——
(C) = at 70 psi (4.8 bar, 0.48 MPa)	
(D) = at 40 psi (2.8 bar, 0.28 MPa)	

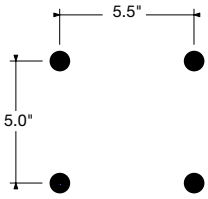
Dimensions

Aluminum

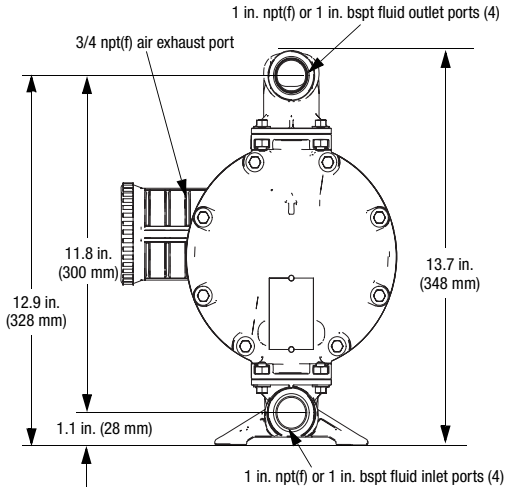


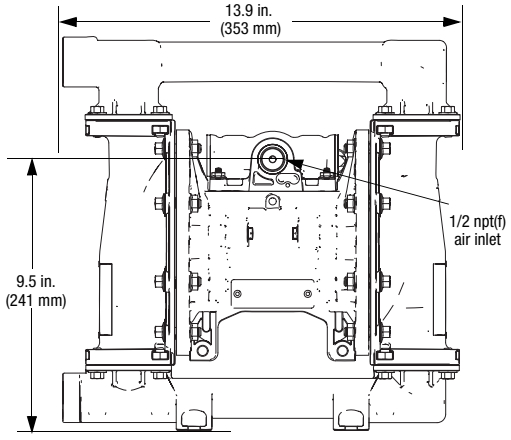


Mounting Pattern

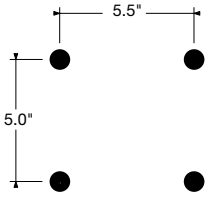


Stainless Steel





Mounting Pattern



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
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) Standard Air Valve	Part Number (ANSI-Flange) Remote* Air Valve	Part Number (BSP Ported) Standard Air Valve	Part Number (BSP Ported) Remote* Air Valve	Materials for Seats	Materials for Balls	Materials for Diaphragms	Fluid Kit	Air Kit	Air Control**
Standard Pumps with Aluminum Center Section										
Polypropylene	DB2311				Stainless Steel	PTFE	PTFE	D0C311	236273	246947
	DB2377	DC2377			Stainless Steel	Buna	Buna	D0C377	236273	246947
	DB2777	DC2777			Buna	Buna	Buna	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	Buna	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	DC5811			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
Corrosion Resistant Pumps with Stainless Steel Center Section										
Polypropylene	DT2311	DU2311			Stainless Steel	PTFE	PTFE	D0C311	236273	246947
	DT2341	DU2331			Hardened SST	Stainless Steel	PTFE	D0C331	236273	246947
	DT2377	DU2377			Stainless Steel	Buna	Buna	D0C377	236273	246947
	DT2888	DU2888			Fluoroelastomer	Fluoroelastomer	Fluoroelastomer	D0C888	236273	246947
	DT2911	DU2911			Polypropylene	PTFE	PTFE	D0C911	236273	246947
	DT2977	DU2977			Polypropylene	Buna	Buna	D0C977	236273	246947
	DT2988	DU2988			Polypropylene	Fluoroelastomer	Fluoroelastomer	D0C988	236273	246947
PVDF	DT5311	DU5311			Stainless Steel	PTFE	PTFE	D0C311	236273	246947
	DT5811	DU5811			Fluoroelastomer	PTFE	PTFE	D0C811	236273	246947
	DT5888	DU5888			Fluoroelastomer	Fluoroelastomer	Fluoroelastomer	D0C888	236273	246947
	DT5A11	DU5A11			PVDF	PTFE	PTFE	D0CA11	236273	246947
	DT5A88	DU5A88			PVDF	Fluoroelastomer	Fluoroelastomer	D0CA88	236273	246947

**Requires CycleFlo or external valve control*

*** Air control includes air regulator and filter with gauge*

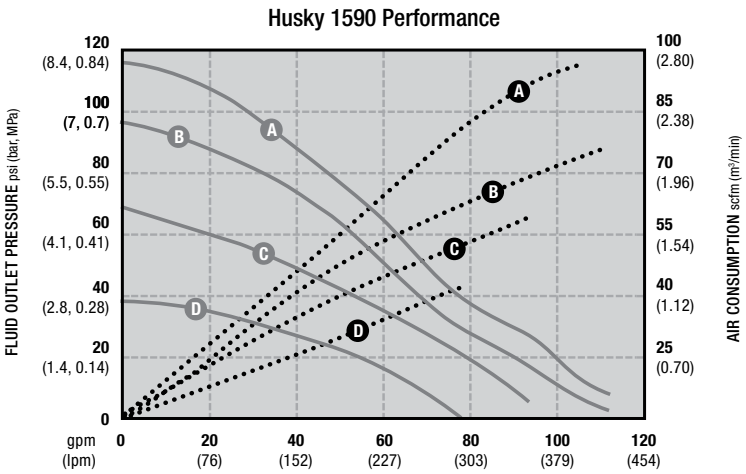
Husky 1590 Plastic Pumps

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 Santoprene Buna-N TPE Fluoroelastomer Geolast	 220°F (104.4°C) 180°F (82.2°C) 180°F (82.2°C) 150°F (65.5°C) 250°F (121.1°C) 150°F (65.5°C)	 220°F (104.4°C) 180°F (82.2°C) 180°F (82.2°C) 150°F (65.5°C) 250°F (121.1°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

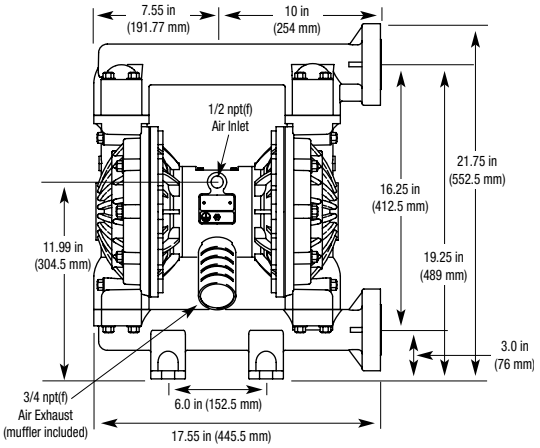
** Flow rates are with muffler and do not vary based on diaphragm material*
*** Displacement per cycle may vary based on suction condition, discharge head, air pressure and fluid type*
**** Actual pump performance may be affected by prolonged usage at temperature*

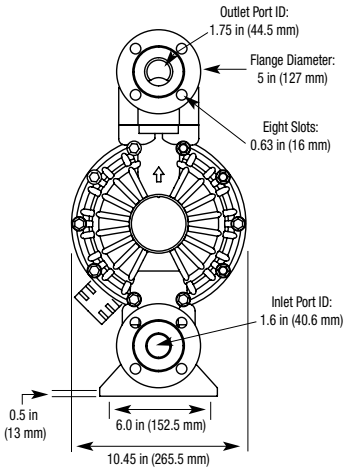
Performance Charts



AIR PRESSURE	LEGEND
(A) = at 120 psi (8.4 bar, 0.84 MPa)	Air Consumption •••••
(B) = at 100 psi (7 bar, 0.7 MPa)	Fluid Flow ——
(C) = at 70 psi (4.8 bar, 0.48 MPa)	
(D) = at 40 psi (2.8 bar, 0.28 MPa)	

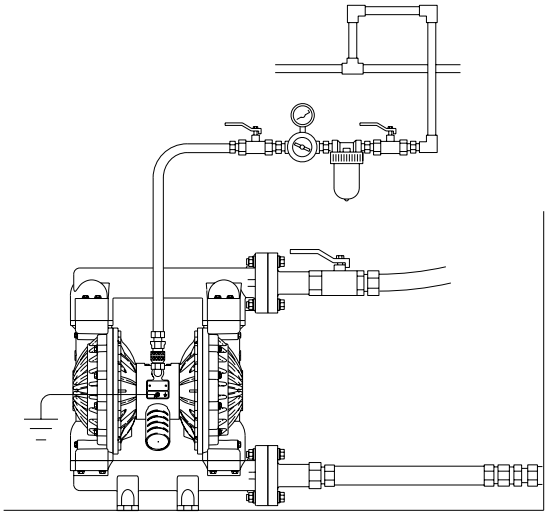
Dimensions





Typical System Drawings

Husky 1590 Above Ground Gravity Feed



Husky 1590 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
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 (bsp)	5 = TPE	4 = Hardened SST	6 = Santoprene
U = 1-1/2" (38.1 mm) Remote: stainless steel center section	D = Stainless Steel (bsp)	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 (NPT Ported) Standard Air Valve	Part Number (NPT Ported) Remote* Air Valve	Part Number (BSP Ported) Standard Air Valve	Part Number (BSP Ported) Remote* Air Valve	Materials for Seats	Materials for Balls	Materials for Diaphragms	Fluid Kit	Air Kit	Air Control**
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	Buna	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	Buna	Buna	D0B777	236273	246947
	DB3888	DC3888	DBC888	DCC888	Fluoroelastomer	Fluoroelastomer	Fluoroelastomer	D0B888	236273	246947
	DB3GGG	DC3GGG	DBCGGG	DCCGGG	Geolast	Geolast	Geolast	D0BGGG	236273	246947
	DB3911		DBC911		Polypropylene	PTFE	PTFE	D0B911	236273	246947
	DB3977		DBC977		Polypropylene	Buna	Buna	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	Buna	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	Buna	Buna	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	Buna	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*

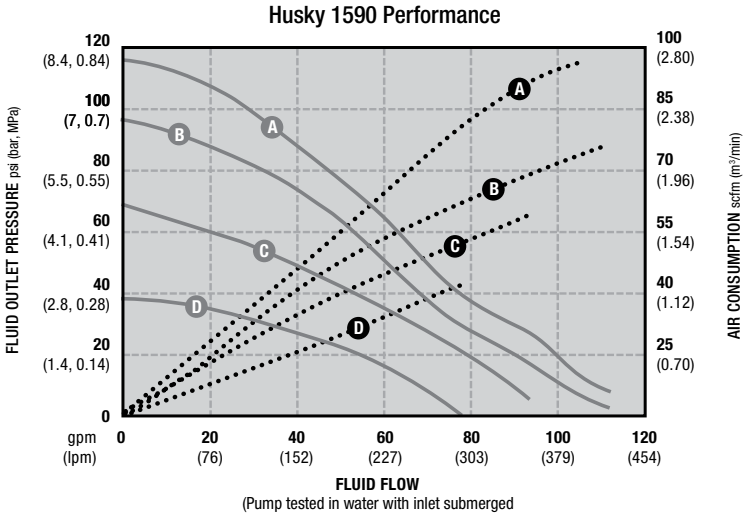
Technical Specifications

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 Santoprene Buna-N TPE Fluoroelastomer Geolast	 220°F (104.4°C) 180°F (82.2°C) 180°F (82.2°C) 150°F (65.5°C) 250°F (121.1°C) 150°F (65.5°C)	 220°F (104.4°C) 180°F (82.2°C) 180°F (82.2°C) 150°F (65.5°C) 250°F (121.1°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)	85.5 lb (38.6 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*

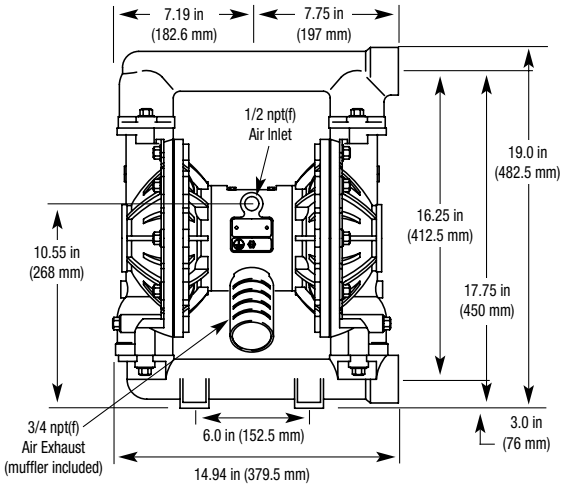
Husky 1590 Metal Pumps

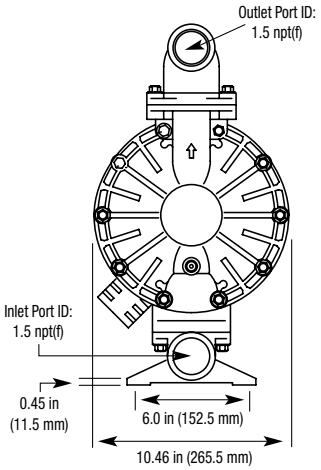
Performance Charts



AIR PRESSURE	LEGEND
(A) = at 120 psi (8.4 bar, 0.84 MPa)	Air Consumption •••••
(B) = at 100 psi (7 bar, 0.7 MPa)	Fluid Flow ——
(C) = at 70 psi (4.8 bar, 0.48 MPa)	
(D) = at 40 psi (2.8 bar, 0.28 MPa)	

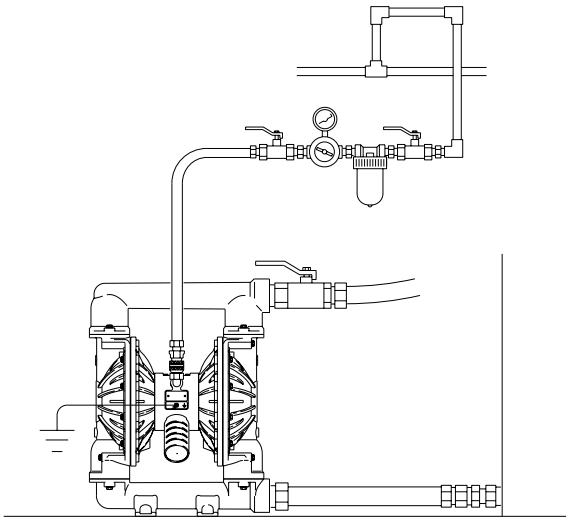
Dimensions





Typical System Drawings

Husky 1590 Above Ground Gravity Feed



Ordering Information

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

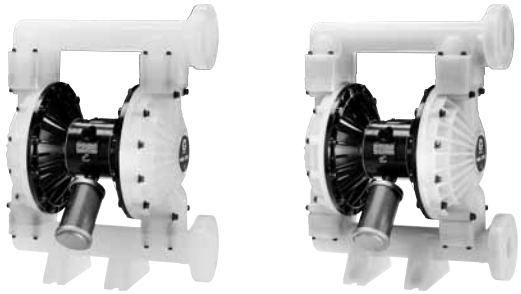
PUMP SIZE (AIR MOTOR TYPE AND MATERIAL)	WETTED PARTS	SEATS	BALLS	DIAPHRAGM
F = 2" (50.8 mm) Standard: aluminum center section	2 = Poly (npt)	3 = Stainless Steel	1 = PTFE	1 = PTFE
G = 2" (50.8 mm) Remote: aluminum center section	5 = PVDF (npt)	4 = Hardened SST	2 = Acetal	5 = TPE
V = 2" (50.8 mm) Standard: 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) Standard Air Valve	Part Number (ANSI-Flange) Remote* Air Valve	Part Number (BSP Ported) Standard Air Valve	Part Number (BSP Ported) Remote* Air Valve	Materials for Seats	Materials for Balls	Materials for Diaphragms	Fluid Kit	Air Kit	Air Control**
Standard Pumps with Aluminum Center Section										
Polypropylene	DF2311				Stainless Steel	PTFE	PTFE	D0G311	236273	246947
	DF2377	DG2377			Stainless Steel	Buna	Buna	D0G377	236273	246947
	DF2777	DG2777			Buna	Buna	Buna	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	Buna	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	DG5811			Fluoroelastomer	PTFE	PTFE	D0G811	236273	246947
	DF5888	DG5888			Fluoroelastomer	Fluoroelastomer	Fluoroelastomer	D0G888	236273	246947
	DF5A11	DG5A11			PVDF	PTFE	PTFE	D0GA11	236273	246947
	DF5A88				PVDF	Fluoroelastomer	Fluoroelastomer	D0GA88	236273	246947
Corrosion Resistant Pumps with Stainless Steel Center Section										
Polypropylene	DV2311				Stainless Steel	PTFE	PTFE	D0G311	236273	246947
	DV2341				Stainless Steel	Hardened SST	PTFE	D0G341	236273	246947
	DV2377				Stainless Steel	Buna	Buna	D0G377	236273	246947
	DV2888				Fluoroelastomer	Fluoroelastomer	Fluoroelastomer	D0G888	236273	246947
	DV2911				Polypropylene	PTFE	PTFE	D0G911	236273	246947
	DV2977				Polypropylene	Buna	Buna	D0G977	236273	246947
	DV2988				Polypropylene	Fluoroelastomer	Fluoroelastomer	D0G988	236273	246947
	DV2A11				PVDF	PTFE	PTFE	D0GA11	236273	246947
	DV2A88				PVDF	Fluoroelastomer	Fluoroelastomer	D0GA88	236273	246947
PVDF	DV5311				Stainless Steel	PTFE	PTFE	D0G311	236273	246947
	DV5811				Fluoroelastomer	PTFE	PTFE	D0G811	236273	246947
	DV5888				Fluoroelastomer	Fluoroelastomer	Fluoroelastomer	D0G888	236273	246947
	DV5A11				PVDF	PTFE	PTFE	D0GA11	236273	246947
	DV5A88				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

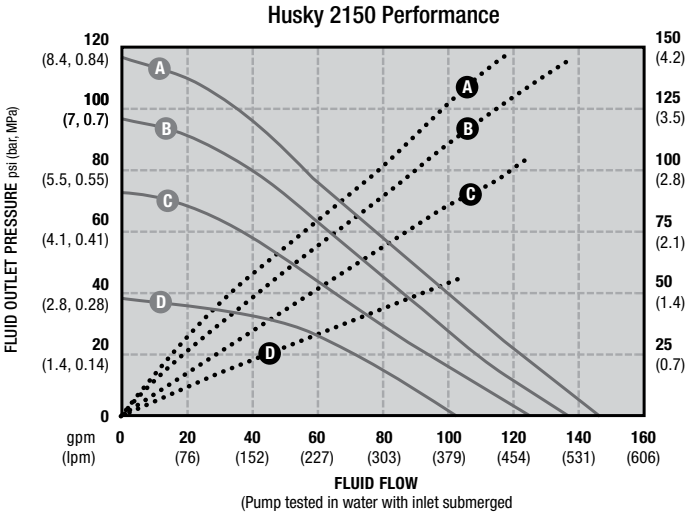


Technical Specifications

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 Santoprene Buna-N TPE Fluoroelastomer Geolast	 220°F (104.4°C) 180°F (82.2°C) 180°F (82.2°C) 150°F (65.5°C) 250°F (121.1°C) 150°F (65.5°C)	 220°F (104.4°C) 180°F (82.2°C) 180°F (82.2°C) 150°F (65.5°C) 250°F (121.1°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

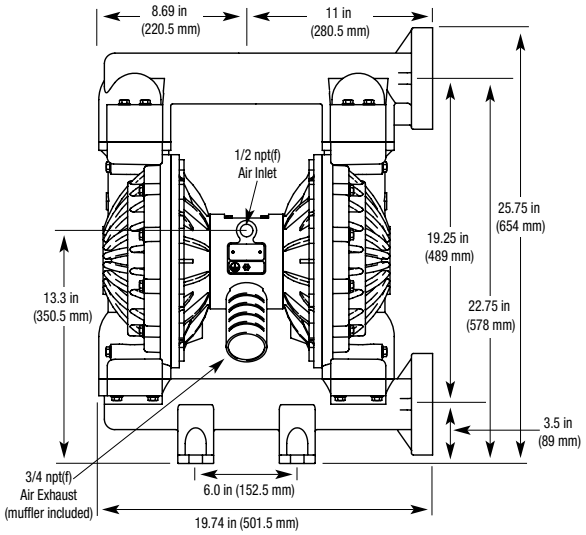
** Flow rates are with muffler and do not vary based on diaphragm material*
*** Displacement per cycle may vary based on suction condition, discharge head, air pressure and fluid type*
**** Actual pump performance may be affected by prolonged usage at temperature*

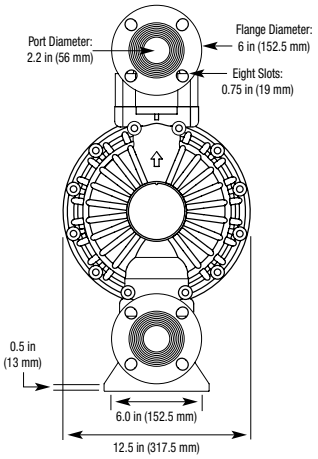
Performance Charts



AIR PRESSURE	LEGEND
(A) = at 120 psi (8.4 bar, 0.84 MPa)	Air Consumption •••••
(B) = at 100 psi (7 bar, 0.7 MPa)	Fluid Flow ——
(C) = at 70 psi (4.8 bar, 0.48 MPa)	
(D) = at 40 psi (2.8 bar, 0.28 MPa)	

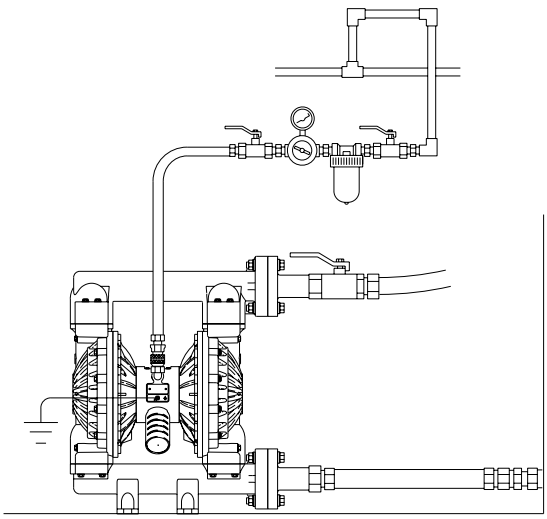
Dimensions





Typical System Drawings

Husky 2150 Above Ground Gravity Feed



Husky 2150 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
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 (bsp)	6 = Santoprene	5 = TPE	7 = Buna N
	D = Stainless Steel (bsp)	7 = Buna N	6 = Santoprene	8 = Fluoroelastomer
	F = Ductile Iron (bsp)	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		

Popular Models

Material	Part Number (NPT Ported) Standard Air Valve	Part Number (NPT Ported) Remote* Air Valve	Part Number (BSP Ported) Standard Air Valve	Part Number (BSP Ported) Remote* Air Valve	Materials for Seats	Materials for Balls	Materials for Diaphragms	Fluid Kit	Air Kit	Air Control**
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	Buna	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	Buna	Buna	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	Buna	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	Buna	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	Buna	Buna	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	236273	246947
	DV4377		DVD377		Stainless Steel	Buna	Buna	D0F377	236273	246947
	DV4388		DVD388		Stainless Steel	Fluoroelastomer	Fluoroelastomer	D0F388	236273	246947
	DV4666		DVD666		Santoprene	Santoprene	Santoprene	D0F666	236273	246947
	DV4888		DVD888		Fluoroelastomer	Fluoroelastomer	Fluoroelastomer	D0F888	236273	246947
	DV4911		DVD911		Polypropylene	PTFE	PTFE	D0F911	236273	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*



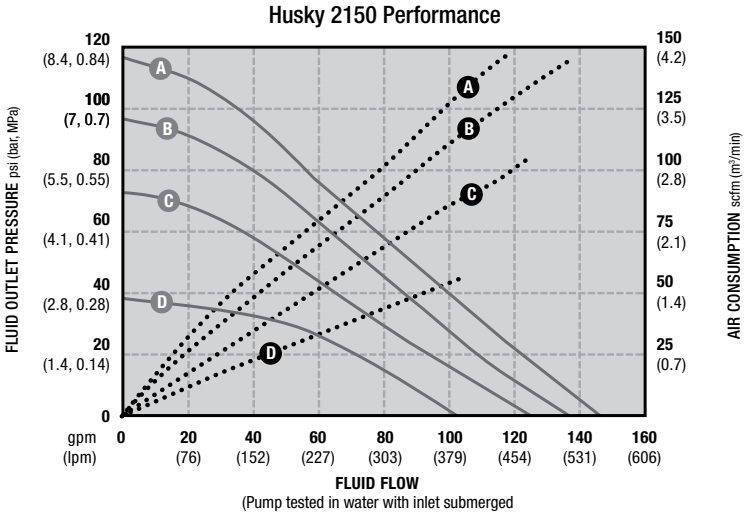
Technical Specifications

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 diaphragm operating temperature*** PTFE Santoprene Buna-N TPE Fluoroelastomer Geolast	 220°F (104.4°C) 180°F (82.2°C) 180°F (82.2°C) 150°F (65.5°C) 250°F (121.1°C) 150°F (65.5°C)	 220°F (104.4°C) 180°F (82.2°C) 180°F (82.2°C) 150°F (65.5°C) 250°F (121.1°C) 150°F (65.5°C)	 220°F (104.4°C) 180°F (82.2°C) 180°F (82.2°C) 150°F (65.5°C) 250°F (121.1°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) 62 lb (28.1 kg) - Extended	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*

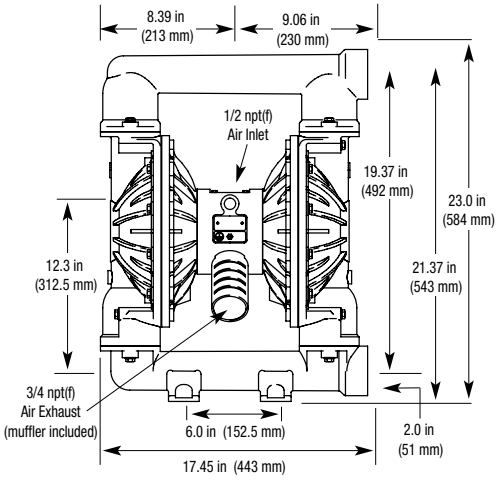
Husky 2150 Metal Pumps

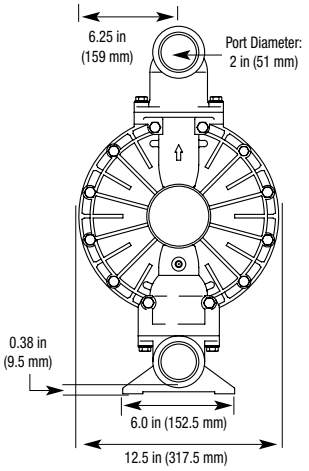
Performance Charts



AIR PRESSURE	LEGEND
Ⓐ = at 120 psi (8.4 bar, 0.84 MPa)	Air Consumption •••••
Ⓑ = at 100 psi (7 bar, 0.7 MPa)	Fluid Flow ——
Ⓒ = at 70 psi (4.8 bar, 0.48 MPa)	
Ⓓ = at 40 psi (2.8 bar, 0.28 MPa)	

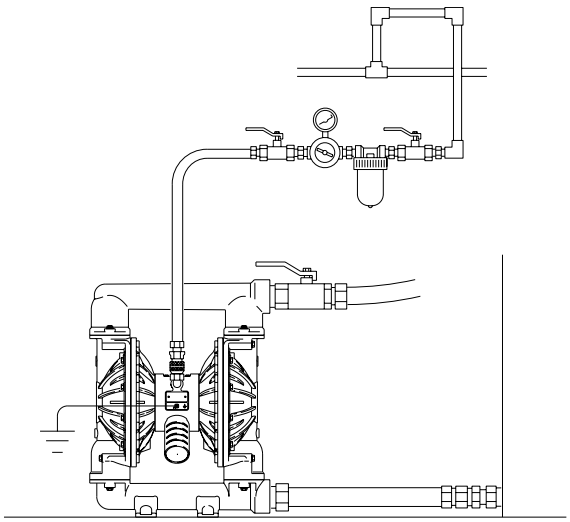
Dimensions





Typical System Drawings

Husky 2150 Above Ground Gravity Feed



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
K = 3" (76.2 mm) Standard: aluminum center section	3 = Aluminum (npt)	3 = Stainless Steel	1 = PTFE	1 = PTFE
		5 = TPE	2 = Acetal	5 = TPE
		6 = Santoprene	6 = Santoprene	6 = Santoprene
		G = Geolast	G = Geolast	G = Geolast
				P = Bolt through PTFE

Popular Models

Material	Part Number (NPT Ported) Standard Air Valve	Remote Air Valve	Materials for Seats	Materials for Balls	Materials for Diaphragms	Fluid Kit	Air Kit	Air Control*
Aluminum	DK3311	NA	Stainless Steel	PTFE	PTFE	D0K311	238765	246948
	DK3316	NA	Stainless Steel	PTFE	Santoprene	D0K316	238765	246948
	DK3366	NA	Stainless Steel	Santoprene	Santoprene	D0K366	238765	246948
	DK3515	NA	TPE	PTFE	TPE	D0K515	238765	246948
	DK3525	NA	TPE	Acetal	TPE	D0K525	238765	246948
	DK3565	NA	TPE	Santoprene	TPE	D0K565	238765	246948
	DK3611	NA	Santoprene	PTFE	PTFE	D0K611	238765	246948
	DK3616	NA	Santoprene	PTFE	Santoprene	D0K616	238765	246948
	DK3666	NA	Santoprene	Santoprene	Santoprene	D0K666	238765	246948
	DK3GG6	NA	Geolast	Geolast	Santoprene	D0KGG6	238765	246948
	DK3GGG	NA	Geolast	Geolast	Geolast	D0KGGG	238765	246948

** Air control includes air regulator and filter with gauge*

Technical Specifications

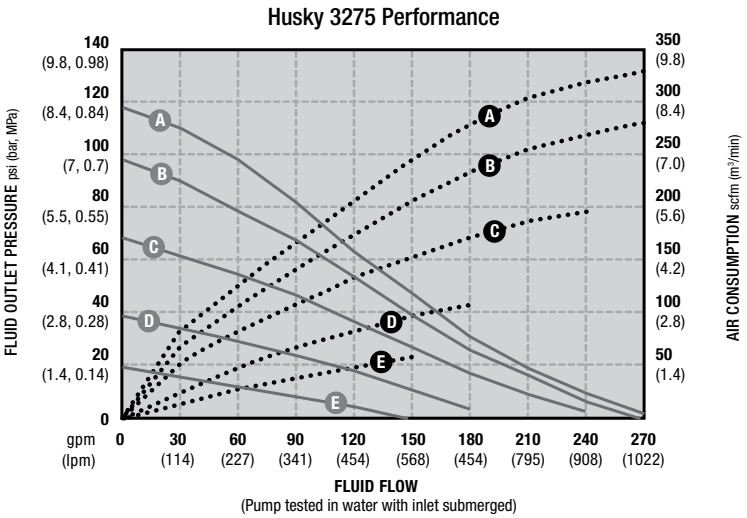
Husky 3275 Aluminum Pumps	Aluminum
Maximum fluid working pressure	120 psi (8.4 bar, 0.84 MPa)
Maximum free flow delivery*	275 gpm (1,041 lpm)
Maximum pump speed	135 cpm
Displacement per cycle**	2.0 gallon (7.6 liter)
Maximum suction lift (DF3666)	8 ft (2.4 m) dry
Maximum size pumpable solids	0.38 in (9.4 mm)
Maximum diaphragm operating temperature***	
PTFE	220°F (104.4°C)
Santoprene	180°F (82.2°C)
TPE	150°F (65.5°C)
Fluoroelastomer	250°F (121.1°C)
Geolast	150°F (65.5°C)
Typical sound level at 70 psi (4.9 bar, 0.49 MPa) air @ 125 cpm	79 dBa
Maximum air consumption	325 scfm (9.1 m3/min)
Air consumption at 70 psi (4.7 bar, 0.47 MPa)/100 gpm (379 lpm)	120 scfm (1.26 m3/min)

Husky 3275 Aluminum Pumps	Aluminum
Air pressure operating range	20 to 120 psi (1.4 to 8.4 bar, 0.14 to 0.84 MPa)
Air inlet size	3/4 npt(f)
Fluid inlet & outlet size****	3 in (76.2 mm) ANSI 4 bolt flange/ DIN 8-bolt flange internal thread is 3 npt or bspt
Weight	150 lb (68 kg)
Instruction manual	308639

** 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*

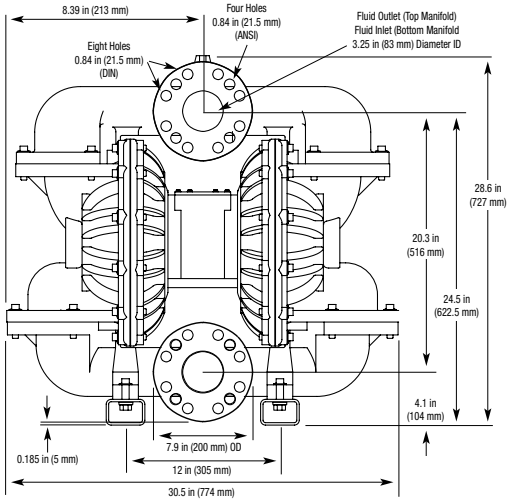
Husky 3275 Aluminum Pumps

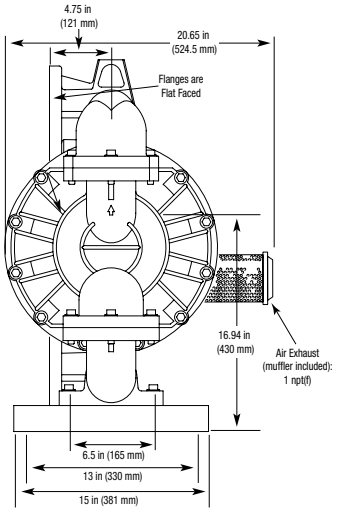
Performance Charts



AIR PRESSURE	LEGEND
(A) = at 120 psi (8.4 bar, 0.84 MPa)	Air Consumption
(B) = at 100 psi (7 bar, 0.7 MPa)	Fluid Flow
(C) = at 70 psi (4.8 bar, 0.48 MPa)	
(D) = at 40 psi (2.8 bar, 0.28 MPa)	
(E) = at 20 psi (1.4 bar, 0.14 MPa)	

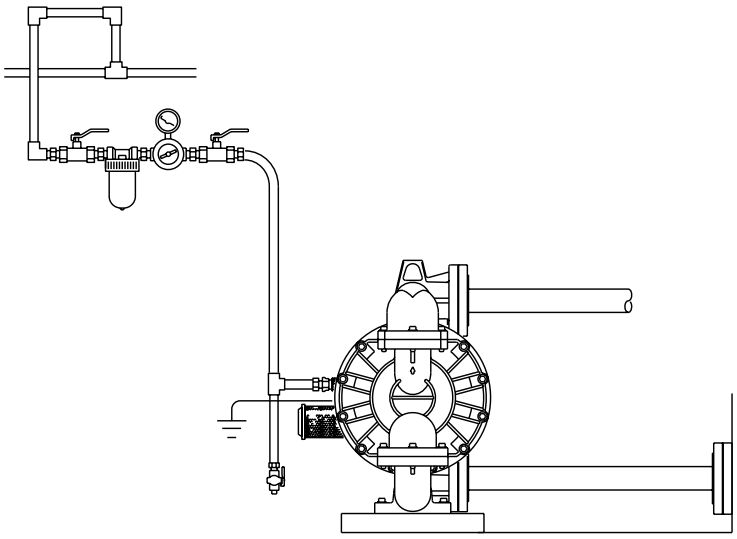
Dimensions





Typical System Drawings

Husky 3275 Above Ground Gravity Feed



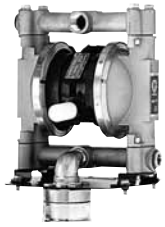
Ordering Information

		Pump Components				Drum Kit Components			
PACKAGE NUMBER	**PUMP TYPE**	**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	Buna	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

Accessories

246946 Air Regulator/Filter
208536 Air Line Quick Coupler
169970 Quick Coupler Nipple



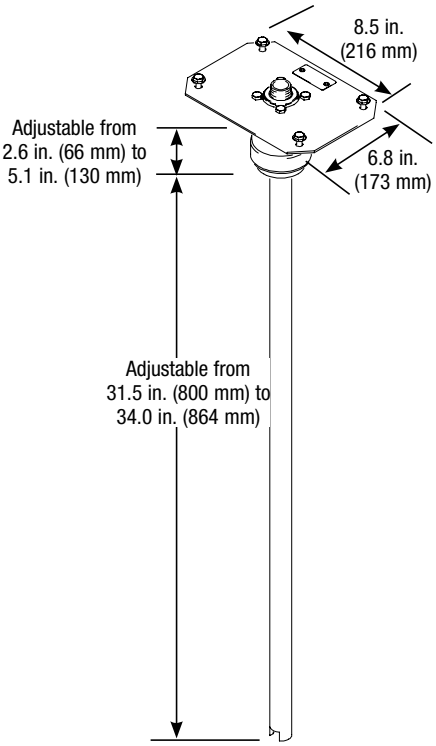
Technical Specifications

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	

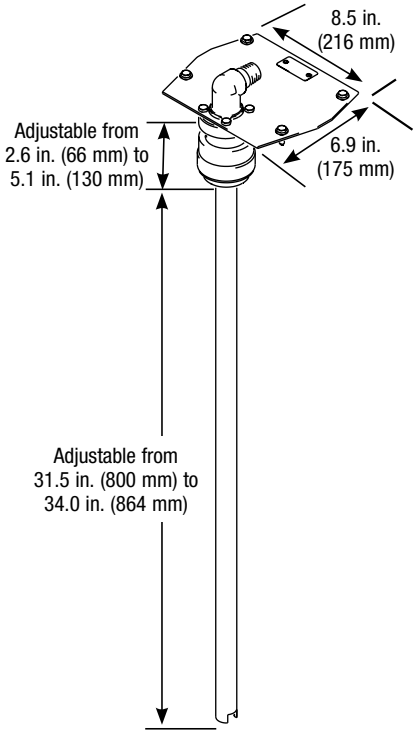
** Flow rates are with muffler and do not vary based on diaphragm material*
*** Displacement per cycle may vary based on suction condition, discharge head, air pressure and fluid type*

Husky Transfer Pump Packages

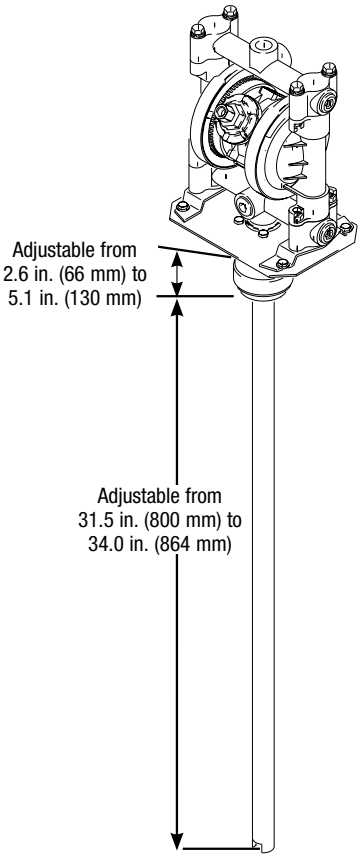
Dimensions



Poly, Acetal and Aluminum Pumps



Stainless Steel Pumps



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

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 D52911 Acetal pump mounted on Twistork

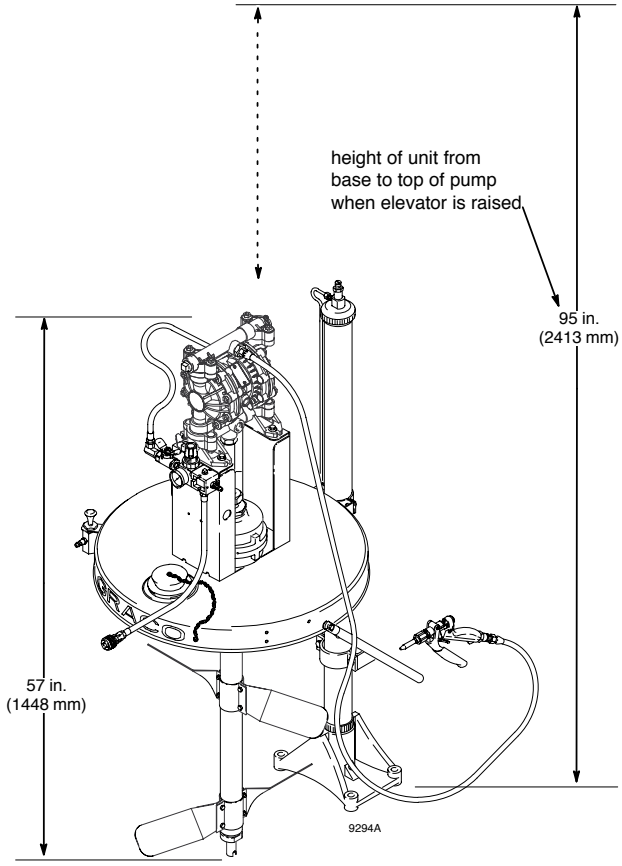
Technical Specifications

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 at 12 gpm (45.4 lpm)	approximately 12 scfm (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

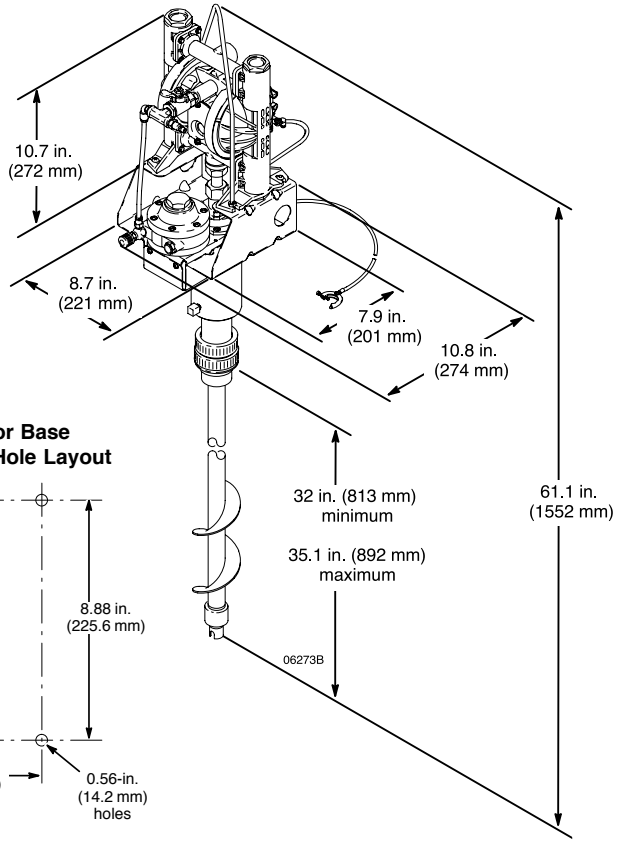
** Tested to CAGI-PNEUROP–1969*
*** See the individual component instruction manuals for service instructions and technical data for the Husky 55 gal (200 l) Dispensing Packages.*

Dimensions

Husky 55 gal Dispensing Package



Husky Twistork Package



Elevator Base Mounting Hole Layout

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) 120v	195264
CycleFlo (cpm rate and batch control) 240v	196706
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
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

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). Best used with a wall mounted Husky 515 or 716 model. 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) 120v	195264
CycleFlo (cpm rate and batch control) 240v	196706
CycleFlo II (rate controller with solenoid valve) 120v	195265
Cycle Counter Kit (counts cycles of pump through a magnetic sensor)	241406
Proximity Switch Kits (used in conjunction with 241406 kit)	241405
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
MISCELLANEOUS ACCESSORIES	
Duckbill Replacement Parts (urethane) for 515 and 716 Husky Pumps	239754
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

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, 1590, 2150 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	112182
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) 120v	195264
CycleFlo (cpm rate and batch control) 240v	196706
CycleFlo II (rate controller with solenoid valve) 120v	195265

DUAL INLET MANIFOLD

Aluminum Husky 1050 only	24D205

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

Husky 1050, 1590, 2150 Accessories (continued)

	Part Number

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 2000, 2 in (50.8 mm)	
Polypropylene (wetted bottom and top housings) with a Buna N bladder	239092
with PTFE bellows	239128
Stainless Steel (wetted bottom and top housings) with a Buna N bladder	239093
with PTFE bellows	239126
with a Fluoroelastomer bladder	239127
Adjustable Husky 2000, 2 in (50.8 mm)	
Polypropylene (wetted bottom and top housings) with a Buna N bladder	239087
with PTFE bellows	239136
Stainless Steel (wetted bottom and top housings) with a Buna N bladder	239088
with PTFE bellows	239134
with a Fluoroelastomer bladder	239135

UL PUMPS

For use with leaded and unleaded fuels

Husky 1050 for use with leaded fuel (seat, ball, diaphragm)	647016
Same as 236265, maximum inlet of 50 psi (3.4 bar, 0.3 MPa)	647648

PTFE/EPDM OVERMOLDED DIAPHRAGMS

Industrial upgrade kits – includes new airside diaphragm plate

Upgrade kit for 1 inch pump (Husky 1040 only)	289224
Upgrade kit for 1.5 inch pump	289225
Upgrade kit for 2 inch pump	289226

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

WALL MOUNTING BRACKET

Wall mounting bracket for Husky 1050 pumps	24C637

MISCELLANEOUS ACCESSORIES

Flange Kits. Used to transition a flanged pump to a npt connection to transition from a threaded connection to a flange. It is recommended that the flange kit be compatible with the pump material.

Polypropylene 1 inch (24.14 mm) flange for Husky 1050 D72XXX pumps. 1" ANSI x 1" npt (f)	239005
Stainless Steel 1 inch (24.14 mm) flange for Husky 1050 D71XXX and D74XXX pumps 1" ANSI x 1" npt (f)	239008
PVDF 1 inch (24.14 mm) flange for Husky 1050 D75XXX pump 1" ANSI x 1" npt (f)	239009
Polypropylene 1-1/2 inch (36.84 mm) flange for Husky 1590 DB2XXX pump 1-1/2" ANSI x 1-1/2" (f)	239006
PVDF 1-1/2 inch (36.84 mm) flange for Husky 1590 DB5XXX pump. 1-1/2" ANSI x 1-1/2" (f)	239010
Polypropylene 2 inch (48.28 mm) flange for Husky 2150 DF2XXX pump. 2" ANSI x 2" (f)	239007
PVDF 2 inch (48.28 mm) flange for Husky 2150 DF5XXX pump 2" ANSI x 2" (f)	239011

Husky Pump Accessories

Husky 3275 Accessories

AIR CONTROLS

Regulator / Filter Assembly 3/4" npt(f) (19.5 mm)	246948
Quick Connect Air Coupler 3/4" npt (19.5 mm)	110200
Quick Connect Air Nipple 3/4" npt (19.5 mm) mbe	110197
Air Shut Off Valve 3/4" npt (19.5 mm), bleed type, relieves trapped air downline of valve	110226
Air Runaway Valve (stop pump from cavitating when empty)	224040
Air Muffler (comes with pump)	111897

55-GALLON SIPHON KITS

Typically, 3" pumps are not used for emptying 55-gallon containers	N/A

REMOTE PUMP CONTROLLERS

Husky 3275 pumps are not equipped to run in remote mode	N/A

SPLIT MANIFOLD KITS

There are no Husky 3275 with a split manifold option	N/A

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 either in adjustable or automatic version. See 308703 for details.

Automatic Husky 2000, 2 in (50.8 mm)	
Polypropylene (wetted bottom and top housings) with a Buna N bladder	239092
with PTFE bellows	239128
Adjustable Husky 2000, 2 in (50.8 mm)	
Polypropylene (wetted bottom and top housings) with a Buna N bladder	239087
with PTFE bellows	239136

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

Ordering Instructions

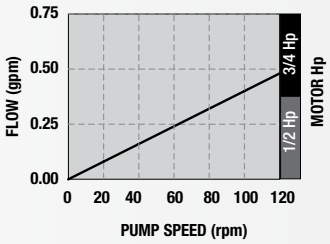
Three steps to choosing your pump:

1. **Choose your pump size to meet your flow requirement**
   Use the Performance Charts below to choose your Pump Model.
2. **Choose your pump speed range**
   Using the Selection Charts, go to your Model Number and find the Gear Ratio for your desired pump speed.
3. **Choose your hose & hose barb materials to meet your material properties**
   Keep moving down the Selection Charts to select your hose material and your hose barb material.

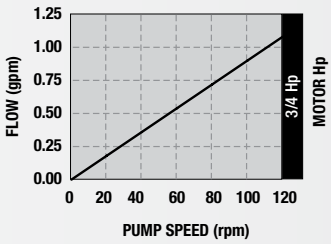
Step 1: Performance Charts & Technical Specifications

Pump Model	EP2006	EP2010	EP2013
Maximum flow (130 rpm)	0.5 gpm (2.0 lpm)	1.2 gpm (4.4 lpm)	2.1 gpm (7.9 lpm)
Capacity (flow per revolution)	0.004 gal/rev (0.015 l/rev)	0.009 gal/rev (0.034 l/rev)	0.016 gal/rev (0.06 l/rev)
Maximum discharge pressure	200 psi (13.8 bar)	200 psi (13.8 bar)	200 psi (13.8 bar)
Hose inner diameter	6 mm	10 mm	13 mm
Port size	1/2 in male NPT	1/2 in male NPT	1/2 in male NPT

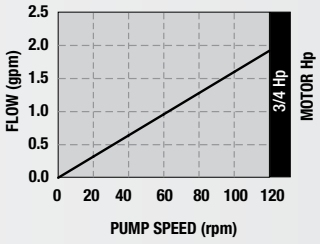
EP2006 Performance



EP2010 Performance

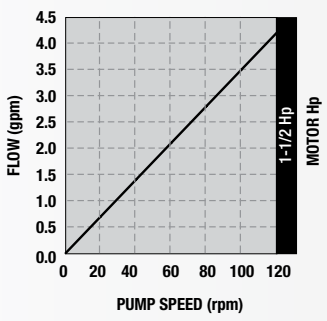


EP2013 Performance

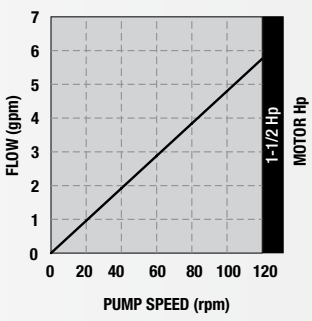


Pump Model	EP3016	EP3019	EP4025	EP4029
Maximum flow (130 rpm)	4.6 gpm (17.2 lpm)	6.2 gpm (23.6 lpm)	14.3 gpm (54.1 lpm)	19.5 gpm (73.8 lpm)
Capacity (flow per revolution)	0.035 gal/rev (0.132 l/rev)	0.048 gal/rev (0.182 l/rev)	0.11 gal/rev (0.416 l/rev)	0.15 gal/rev (0.568 l/rev)
Maximum discharge pressure	200 psi (13.8 bar)	200 psi (13.8 bar)	200 psi (13.8 bar)	200 psi (13.8 bar)
Hose inner diameter	16 mm	19 mm	25 mm	29 mm
Port size	3/4 in male NPT	3/4 in male NPT	1-1/4 in male NPT	1-1/4 in male NPT

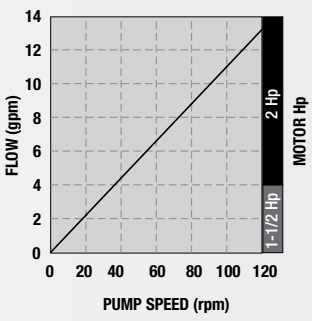
EP3016 Performance



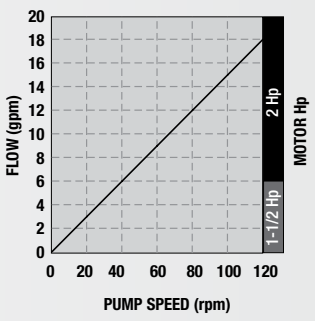
EP3019 Performance



EP4025 Performance



EP4029 Performance



Graco Assembled Complete Pumps

Step 2: Choose Your Pump Speed Range

Model	EP2006			EP2010			EP2013		
Max flow @ 130 rpm - gpm (lpm)	0.5 (2.0)			1.2 (4.4)			2.1 (7.9)		
Flow/Rev - gal/rev (l/rev)	0.004 (0.015)			0.009 (0.034)			0.016 (0.060)		
Pump Speed Range	Low	Mid	High	Low	Mid	High	Low	Mid	High
Pump Speed @ 60 Hz - rpm	11	35	90	11	51	90	11	51	90
Flow Rate @ 60 Hz - gpm (lpm)	0.046 (0.17)	0.14 (0.52)	0.36 (1.36)	0.10 (0.37)	0.46 (1.74)	0.81 (3.06)	0.17 (0.64)	0.82 (3.1)	1.4 (5.2)
Maximum Working Pressure	200 psi (13.8 bar)			200 psi (13.8 bar)			200 psi (13.8 bar)		
Maximum Suction Lift - ft (m)	29 (8.9)			29 (8.9)			29 (8.9)		
Pump Inlet / Outlet Size	1/2" male NPT			1/2" male NPT			1/2" male NPT		
Operation Manual	3A1938			3A1938			3A1938		
Repair Parts Manual	3A1940			3A1940			3A1940		
Flyer	344964			344964			344964		

Step 3: Choose Your Hose & Hose Barb Materials

Hose Material	Hose Barb Material	EP2006			EP2010			EP2013		
Natural Rubber	316 SST	24L104	24L118	24L132	24L146	24L160	24L174	24L188	24L202	24L216
	Hastelloy-C									
Nitrile	316 SST	24L107	24L121	24L135	24L149	24L163	24L177	24L191	24L205	24L219
	Hastelloy-C	24L108	24L122	24L136	24L150	24L164	24L178	24L192	24L206	24L220
Nitrile Food Grade	316 SST	24L109	24L123	24L137	24L151	24L165	24L179	24L193	24L207	24L221
	Hastelloy-C	24L110	24L124	24L138	24L152	24L166	24L180	24L194	24L208	24L222
EPDM	316 SST	24L100	24L114	24L128	24L142	24L156	24L170	24L184	24L198	24L212
	Hastelloy-C	24L101	24L115	24L129	24L143	24L157	24L171	24L185	24L199	24L213
EPDM Food Grade	316 SST	24L102	24L116	24L130	24L144	24L158	24L172	24L186	24L200	24L214
	Hastelloy-C	24L103	24L117	24L131	24L145	24L159	24L173	24L187	24L201	24L215
Neoprene	316 SST	24L111	24L125	24L139	24L153	24L167	24L181	24L195	24L209	24L223
	Hastelloy-C									
CSM	316 SST	24L105	24L119	24L133	24L147	24L161	24L175	24L189	24L203	24L217
	Hastelloy-C	24L106	24L120	24L134	24L148	24L162	24L176	24L190	24L204	24L218
UHMW PE	316 SST	24L112	24L126	24L140	24L154	24L168	24L182	24L196	24L210	24L224
	Hastelloy-C	24L113	24L127	24L141	24L155	24L169	24L183	24L197	24L211	24L225

Graco Assembled Complete Pumps

EP3016			EP3019			EP4025			EP4029		
4.6 (17.2)			6.2 (23.6)			14.3 (54.1)			19.5 (73.8)		
0.035 (0.132)			0.048 (0.182)			0.11 (0.416)			0.15 (0.568)		
Low	Mid	High	Low	Mid	High	Low	Mid	High	Low	Mid	High
18	50	87	18	50	87	23	52	91	23	52	91
0.63 (2.4)	1.8 (6.8)	3.1 (11.7)	0.86 (3.2)	2.4 (9.0)	4.2 (15.8)	2.5 (9.4)	5.8 (21.9)	10.1 (38.2)	3.4 (12.8)	7.9 (29.9)	13.7 (51.8)
200 psi (13.8 bar)			200 psi (13.8 bar)			200 psi (13.8 bar)			200 psi (13.8 bar)		
29 (8.9)			29 (8.9)			29 (8.9)			29 (8.9)		
3/4" male NPT			3/4" male NPT			1-1/4" male NPT			1-1/4" male NPT		
3A1938			3A1938			3A1938			3A1938		
3A1939			3A1939			3A1939			3A1939		
344964			344964			344964			344964		

EP3016			EP3019			EP4025			EP4029		
24L504	24L518	24L532	24L546	24L560	24L574	25L002	25L010	25L018	25L028	25L042	25L056
24L507	24L521	24L535	24L549	24L563	24L577	25L004	25L012	25L020	25L031	25L045	25L059
24L508	24L522	24L536	24L550	24L564	24L578				25L032	25L046	25L060
24L509	24L523	24L537	24L551	24L565	24L579	25L005	25L013	25L021	25L033	25L047	25L061
24L510	24L524	24L538	24L552	24L566	24L580				25L034	25L048	25L062
24L500	24L514	24L528	24L542	24L556	24L570	25L000	25L008	25L016	25L024	25L038	25L052
24L501	24L515	24L529	24L543	24L557	24L571				25L025	25L039	25L053
24L502	24L516	24L530	24L544	24L558	24L572	25L001	25L009	25L017	25L026	25L040	25L054
24L503	24L517	24L531	24L545	24L559	24L573				25L027	25L041	25L055
24L511	24L525	24L539	24L553	24L567	24L581	25L006	25L014	25L022	25L035	25L049	25L063
24L505	24L519	24L533	24L547	24L561	24L575	25L003	25L011	25L019	25L029	25L043	25L057
24L506	24L520	24L534	24L548	24L562	24L576				25L030	25L044	25L058
24L512	24L526	24L540	24L554	24L568	24L582	25L007	25L015	25L023	25L036	25L050	25L064
24L513	24L527	24L541	24L555	24L569	24L583				25L037	25L051	25L065

Graco Pump Kits with hose not installed (fully assembled pumps with the hose shipped in a separate package)

Step 2: Choose Your Pump Speed Range

Model	EP2006			EP2010			EP2013		
Max flow @ 130 rpm - gpm (lpm)	0.5 (2.0)			1.2 (4.4)			2.1 (7.9)		
Flow/Rev - gal/rev (l/rev)	0.004 (0.015)			0.009 (0.034)			0.016 (0.060)		
Pump Speed Range	Low	Mid	High	Low	Mid	High	Low	Mid	High
Pump Speed @ 60 Hz - rpm	11	35	90	11	51	90	11	51	90
Flow Rate @ 60 Hz - gpm (lpm)	0.046 (0.17)	0.14 (0.52)	0.36 (1.36)	0.10 (0.37)	0.46 (1.74)	0.81 (3.06)	0.17 (0.64)	0.82 (3.1)	1.4 (5.2)
Maximum Working Pressure	200 psi (13.8 bar)			200 psi (13.8 bar)			200 psi (13.8 bar)		
Maximum Suction Lift - ft (m)	29 (8.9)			29 (8.9)			29 (8.9)		
Pump Inlet / Outlet Size	1/2" male NPT			1/2" male NPT			1/2" male NPT		
Operation Manual	3A1938			3A1938			3A1938		
Repair Parts Manual	3A1940			3A1940			3A1940		
Flyer	344964			344964			344964		

Step 3: Choose Your Hose & Hose Barb Materials

Hose Material	Hose Barb Material	EP2006			EP2010			EP2013		
Natural Rubber	316 SST	24L374	24L388	24L402	24L416	24L430	24L444	24L458	24L472	24L486
	Hastelloy-C									
Nitrile	316 SST	24L377	24L391	24L405	24L419	24L433	24L447	24L461	24L475	24L489
	Hastelloy-C	24L378	24L392	24L406	24L420	24L434	24L448	24L462	24L476	24L490
Nitrile Food Grade	316 SST	24L379	24L393	24L407	24L421	24L435	24L449	24L463	24L477	24L491
	Hastelloy-C	24L380	24L394	24L408	24L422	24L436	24L450	24L464	24L478	24L492
EPDM	316 SST	24L370	24L384	24L398	24L412	24L426	24L440	24L454	24L468	24L482
	Hastelloy-C	24L371	24L385	24L399	24L413	24L427	24L441	24L455	24L469	24L483
EPDM Food Grade	316 SST	24L372	24L386	24L400	24L414	24L428	24L442	24L456	24L470	24L484
	Hastelloy-C	24L373	24L387	24L401	24L415	24L429	24L443	24L457	24L471	24L485
Neoprene	316 SST	24L381	24L395	24L409	24L423	24L437	24L451	24L465	24L479	24L493
	Hastelloy-C									
CSM	316 SST	24L375	24L389	24L403	24L417	24L431	24L445	24L459	24L473	24L487
	Hastelloy-C	24L376	24L390	24L404	24L418	24L432	24L446	24L460	24L474	24L488
UHMW PE	316 SST	24L382	24L396	24L410	24L424	24L438	24L452	24L466	24L480	24L494
	Hastelloy-C	24L383	24L397	24L411	24L425	24L439	24L453	24L467	24L481	24L495

Graco Pump Kits with hose not installed

EP3016			EP3019			EP4025			EP4029		
4.6 (17.2)			6.2 (23.6)			14.3 (54.1)			19.5 (73.8)		
0.035 (0.132)			0.048 (0.182)			0.11 (0.416)			0.15 (0.568)		
Low	Mid	High	Low	Mid	High	Low	Mid	High	Low	Mid	High
18	50	87	18	50	87	23	52	91	23	52	91
0.63 (2.4)	1.8 (6.8)	3.1 (11.7)	0.86 (3.2)	2.4 (9.0)	4.2 (15.8)	2.5 (9.4)	5.8 (21.9)	10.1 (38.2)	3.4 (12.8)	7.9 (29.9)	13.7 (51.8)
200 psi (13.8 bar)			200 psi (13.8 bar)			200 psi (13.8 bar)			200 psi (13.8 bar)		
29 (8.9)			29 (8.9)			29 (8.9)			29 (8.9)		
3/4” male NPT			3/4” male NPT			1-1/4” male NPT			1-1/4” male NPT		
3A1938			3A1938			3A1938			3A1938		
3A1939			3A1939			3A1939			3A1939		
344964			344964			344964			344964		

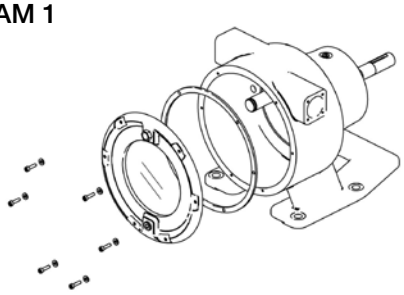
EP3016			EP3019			EP4025			EP4029		
24L588	24L602	24L616	24L630	24L644	24L658	25L068	25L076	25L084	25L094	25L108	25L122
24L591	24L605	24L619	24L633	24L647	24L661	25L070	25L078	25L086	25L097	25L111	25L125
24L592	24L606	24L620	24L634	24L648	24L662				25L098	25L112	25L126
24L593	24L607	24L621	24L635	24L649	24L663	25L071	25L079	25L087	25L099	25L113	25L127
24L594	24L608	24L622	24L636	24L650	24L664				25L100	25L114	25L128
24L584	24L598	24L612	24L626	24L640	24L654	25L066	25L074	25L082	25L090	25L104	25L118
24L585	24L599	24L613	24L627	24L641	24L655				25L091	25L105	25L119
24L586	24L600	24L614	24L628	24L642	24L656	25L067	25L075	25L083	25L092	25L106	25L120
24L587	24L601	24L615	24L629	24L643	24L657				25L093	25L107	25L121
24L595	24L609	24L623	24L637	24L651	24L665	25L072	25L080	25L088	25L101	25L115	25L129
24L589	24L603	24L617	24L631	24L645	24L659	25L069	25L077	25L085	25L095	25L109	25L123
24L590	24L604	24L618	24L632	24L646	24L660				25L096	25L110	25L124
24L596	24L610	24L624	24L638	24L652	24L666	25L073	25L081	25L089	25L102	25L116	25L130
24L597	24L611	24L625	24L639	24L653	24L667				25L103	25L117	25L131

Ordering Instructions when using non-Graco motor drives

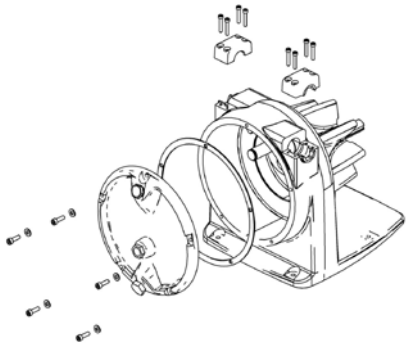
Step 1: Choose a Pump Module from the Performance Charts (page 47)

Model	EP2006	EP2010	EP2013	EP3016	EP3019	EP4025	EP4029
Pump Module	24L887	24L887	24L887	24L888	24L888	24L889	24L889

DIAGRAM 1



EP2 Pump Module

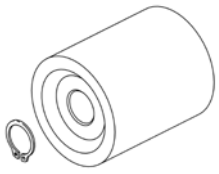


EP3 and EP4 Pump Module

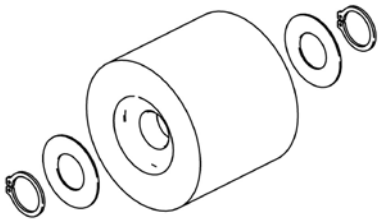
Step 2: Choose a Roller Kit

Model	EP2006	EP2010	EP2013	EP3016	EP3019	EP4025	EP4029
Roller Kit	24K562	24K562	24K564	24K588	24K589	24K613	24K614

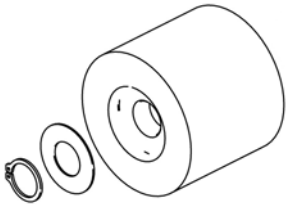
DIAGRAM 2



EP2 Roller Kit



EP3 Roller Kit



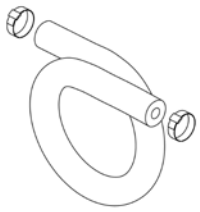
EP4 Roller Kit

Ordering Instructions when using non-Graco motor drives

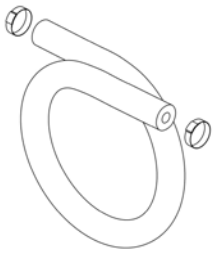
Step 3: Choose a Hose Kit

Hose Kits	EP2006	EP2010	EP2013	EP3016	EP3019	EP4025	EP4029
Natural Rubber	24K482	24K492	24K502	24K522	24K532	24K542	24K552
Nitrile	24K484	24K494	24K504	24K524	24K534	24K544	24K554
Nitrile Food Grade	24K486	24K496	24K506	24K526	24K536	24K546	24K556
EPDM	24K483	24K493	24K503	24K523	24K533	24K543	24K553
EPDM Food Grade	24K485	24K495	24K505	24K525	24K535	24K545	24K555
Neoprene	24K489	24K499	24K509	24K529	24K539	24K549	24K559
UHMW PE	24K488	24K498	24K508	24K528	24K538	24K548	24K558
CSM	24K487	24K497	24K507	24K527	24K537	24K547	24K557

DIAGRAM 3



EP2 Hose Kit

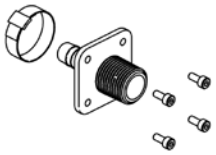


EP3 and EP4 Hose Kit

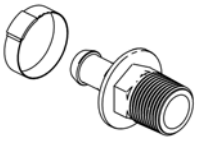
Step 4: Choose a Hose Barb Kit (Need to order 2 kits per pump)

Hose Barb Kits	EP2006	EP2010	EP2013	EP3016	EP3019	EP4025	EP4029
SST	24K565	24K567	24K569	24K590	24K592	24K615	24K617
Hastelloy-C	24K566	24K568	24K570	24K591	24K593		24K910

DIAGRAM 4



EP2 Hose Barb Kit



EP3 and EP4 Hose Barb Kit

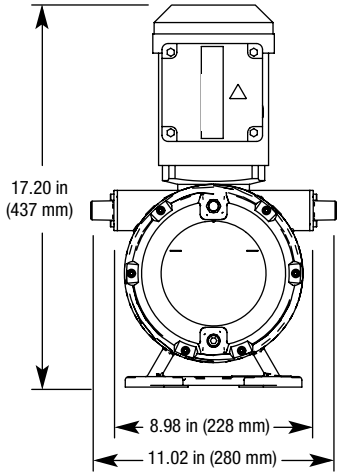
Step 5: Specify your Customer Motor and Gearbox

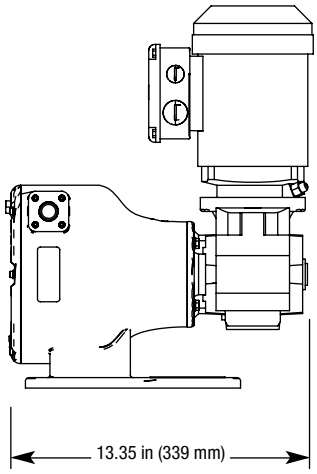
Mounting Specification to EP Pump..... NEMA C Face
Hollow Bore Shaft ..... EP2 = 20 mm; EP3 = 30 mm; EP4 = 35 mm
Pump Input Power ..... Refer to the Performance Charts
Gear Ratio ..... Customer choice

EP Series Hose Pumps

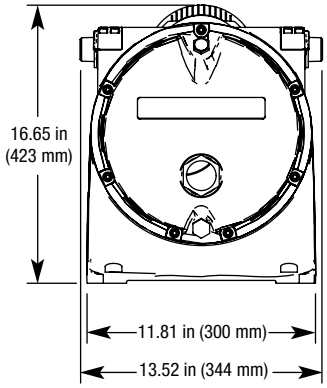
Dimensions

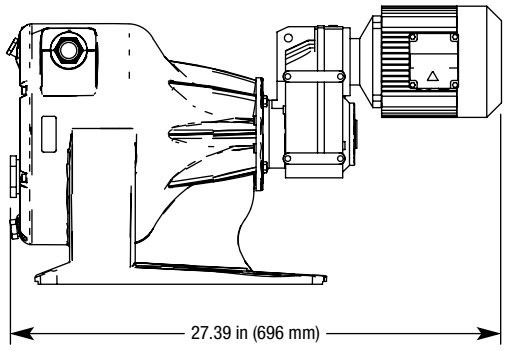
EP2 Hose Pumps



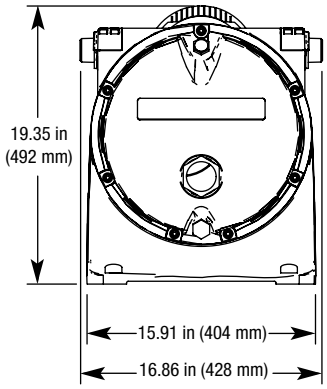


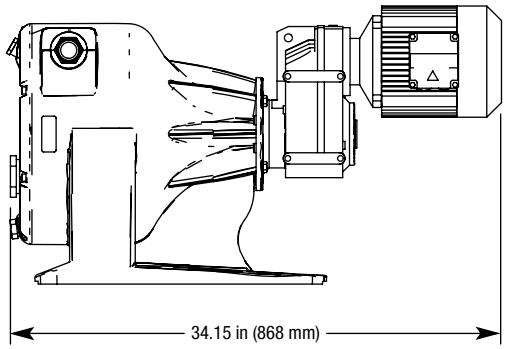
EP3 Hose Pumps





EP4 Hose Pumps





EP Series Kits, Replacement Hoses and Accessories

Replacement Hose Kits

	EP2006	EP2010	EP2013	EP3016	EP3019	EP4025	EP4029
Natural Rubber	24K482	24K492	24K502	24K522	24K532	24K542	24K552
Nitrile	24K484	24K494	24K504	24K524	24K534	24K544	24K554
Nitrile Food Grade	24K486	24K496	24K506	24K526	24K536	24K546	24K556
EPDM	24K483	24K493	24K503	24K523	24K533	24K543	24K553
EPDM Food Grade	24K485	24K495	24K505	24K525	24K535	24K545	24K555
Neoprene	24K489	24K499	24K509	24K529	24K539	24K549	24K559
UHMW PE	24K488	24K498	24K508	24K528	24K538	24K548	24K558
CSM	24K487	24K497	24K507	24K527	24K537	24K547	24K557

VFDs (Variable Frequency Drives)

Hp	Input Voltage	Output Voltage	Used with Pump	Part Number
0.5	120 or 240 VAC (1 Phase)	240 VAC (3 Phase)	EP2006	16K905
0.5	208-240 VAC (1 or 3 Phase)	208-240 VAC (3 Phase)	EP2006	16K906
1	120 or 240 VAC (1 Phase)	240 VAC (3 Phase)	EP2010, EP2013	16K907
1	208-240 VAC (1 or 3 Phase)	208-240 VAC (3 Phase)	EP2010, EP2013	16K908
1.5	120 or 240 VAC (1 Phase)	240 VAC (3 Phase)	EP3016, EP3019	16K909
1.5	208-240 VAC (1 or 3 Phase)	208-240 VAC (3 Phase)	EP3016, EP3019	16K910
2	208-240 VAC (1 or 3 Phase)	208-240 VAC (3 Phase)	EP4025, EP4029	16K911
2	400-480 VAC (3 Phase)	400-480 VAC (3 Phase)	EP4025, EP4029	16K912

Hose Pump Lubricant

Description	Part Number
Glycerin Based Hose Lube (quart)	24K692
Glycerin Based Hose Lube (gallon)	24K694
Silicon Based Hose Lube (quart)	24K684
Silicon Based Hose Lube (gallon)	24K686

Other

Description	Part Number
“Band-It” Clamp Tool	24L497

Ordering Information

Wall Mount Hydra-Clean Package

PACKAGE ORDER NO.	247550	247552	247554	258665	Pump Package
Air Motor Part No.	N34DN0	N65DN0	N65DN0	N65DN0	
Pump Lower Part No.	247599	241648	687055	24B923	
Pump Construction	SST	SST	SST	SST	
Standard Seal Repair Kit	247881	222880	See manual 311825	24C162	
Standard Seal Construction	PTFE/ CF-PTFE	UHMWPE/ CF-PTFE	UHMWPE/ CF-PTFE	UHMWPE/ CF-PTFE	
Optional Seal Repair Kits	207581	222875	222845	237713	
Optional Seal Construction	PTFE	UHMWPE/PTFE	UHMWPE/PTFE	UHMWPE/PTFE	
Flyer	338026	338026	338026	338026	
Instruction Manual	312585	312585	312585	312585	

Cart Mount Hydra-Clean Package

Package Order No.	247549	247551	247553	258664	Pump Package
Air Motor Part No.	N34DN0	N65DN0	N65DN0	N65DN0	
Pump Lower Part No.	247599	241648	687055	24B923	
Pump Construction	SST	SST	SST	SST	
Standard Seal Repair Kit	247881	222880	See manual 311825	24C162	
Standard Seal Construction	PTFE/ CF-PTFE	UHMWPE/ CF-PTFE	UHMWPE/ CF-PTFE	UHMWPE/ CF-PTFE	
Optional Seal Repair Kits	207581	222875	222845	237713	
Optional Seal Construction	PTFE	UHMWPE/PTFE	UHMWPE/PTFE	UHMWPE/PTFE	
Flyer	338026	338026	338026	338026	
Instruction Manual	312585	312585	312585	312585	

Drum Mount Hydra-Clean Package

Package Order No.	206515	Pump Package
Air Motor Part No.	207352	
Pump Lower Part No.	224344	
Pump Construction	SST	
Standard Seal Repair Kit	224402	
Standard Seal Construction	UHMWPE/Polychloroprene	
Optional Seal Construction	UHMWPE/PTFE	
Instruction Manual	306817	

Technical Specifications

Part Number	Pump Package	Max. Working Pressure psi (bar, MPa)	Max. Air Input Pressure psi (bar, MPa)	Fluid Flow at 60 cpm gpm (lpm)	Vol. per Cycle oz (cc)	Air Inlet Size	Fluid Inlet Size	Fluid Outlet Size*	Flyer	Manual
247549	12:1 Cart Mount	1250 (86, 8.6)	100 (7, 0.7)	8.7 (33.0)	18.6 (550)	3/4 npt(f)	1 in	3/8 in	338026	312585
247550	12:1 Wall Mount	1250 (86, 8.6)	100 (7, 0.7)	8.7 (33.0)	18.6 (550)	3/4 npt(f)	1 in	3/8 in	338026	312585
247551	23:1 Cart Mount	2275 (157, 15.7)	100 (7, 0.7)	9.2 (34.7)	19.6 (580)	3/4 npt(f)	1 in	3/8 in	338026	312585
247552	23:1 Wall Mount	2275 (157, 15.7)	100 (7, 0.7)	9.2 (34.7)	19.6 (580)	3/4 npt(f)	1 in	3/8 in	338026	312585
247553	30:1 Cart Mount	3065 (211, 21.1)	100 (7, 0.7)	6.8 (25.9)	14.5 (430)	3/4 npt(f)	1 in	3/8 in	338026	312585
247554	30:1 Wall Mount	3065 (211, 21.1)	100 (7, 0.7)	6.8 (25.9)	14.5 (430)	3/4 npt(f)	1 in	3/8 in	338026	312585
258664	45:1 Cart Mount	4500 (310, 31.0)	100 (7, 0.7)	4.6 (17.4)	9.8 (290)	3/4 npt(f)	1 in	3/8 in	338026	312585
258665	45:1 Wall Mount	4500 (310, 31.0)	100 (7, 0.7)	4.6 (17.4)	9.8 (290)	3/4 npt(f)	1 in	3/8 in	338026	312585
206515	10:1 Drum Mount	1800 (125, 12.5)	180 (12.5, 1.2)	3.0 (11.4)	6.4 (189)	1/2 npt(f)	1/2 in	3/4 in	—	306817

**Includes two outlet ports per unit*

Accessories

Guns and Wands

247879 Replacement gun/wand
15T283 Brass/stainless spray gun
15T282 Stainless steel spray gun
15T279 32 inch stainless steel wand
15T280 10 inch stainless steel wand
247880 Gun stainless steel connections
247622 Gun and suction tube holder

Hoses

214959 1 in x 6 ft inlet hose
247878 3/8 in x 50 ft outlet hose: 4500 psi

Other

15T284 60 mesh inlet strainer with 1" NPT(f) connection
15T284 60 mesh inlet strainer with 1" NPT(f) connection
191635 0 mesh inlet strainer with 1" NPT(f) connection

Stainless Steel Tips

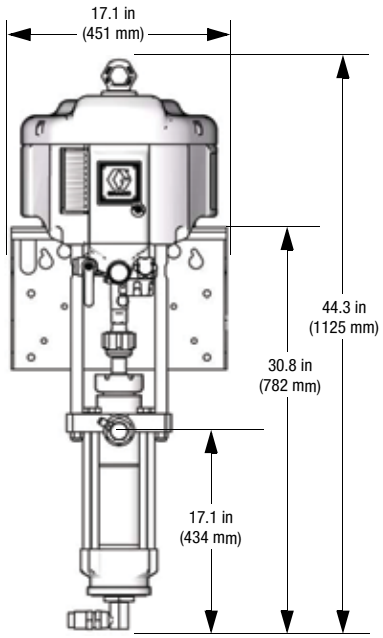
Part Number	Orifice Size in (mm)	Fan Width Angle at 40 psi (3 bar, 0.03 MPa)	Capacity at 1000 psi (68.9 bar, 6.89 MPa) GPM (lpm)
805534	0.020 (0.51)	40º	1.00 (3.78)
805538*	0.030 (0.76)	40º	1.50 (5.68)
805542	0.035 (0.89)	40º	1.75 (6.62)
805549*	0.045 (1.14)	25º	2.25 (8.52)
805561	0.060 (1.52)	25º	3.00 (11.36)
805566*	0.065 (1.65)	40º	3.25 (12.30)
805569	0.070 (1.78)	25º	3.50 (13.25)
805574	0.075 (1.91)	40º	3.75 (14.20)
805575*	0.080 (2.03)	0º	4.00 (15.14)
805584	0.090 (2.28)	15º	4.50 (17.03)
805587	0.100 (2.54)	0º	5.00 (18.93)

Other orifice sizes and fan widths available from Graco, contact a sales representative for more information.

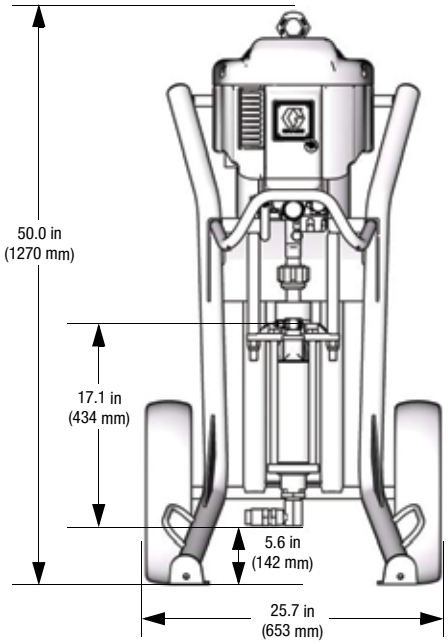
Hydra-Clean Pressure Washers

Dimensions

Wall Mount Package 247550



Cart Mount Package 247549



Refer to manual 312585 for additional package dimensions

Ordering Information

195264 CycleFlo Pneumatic pump controller, 120V
196706 CycleFlo Pneumatic pump controller, 240V
195265 CycleFlo II Pneumatic pump controller, 120V
309003 CycleFlo Instruction Manual
309004 CycleFlo II Instruction Manual

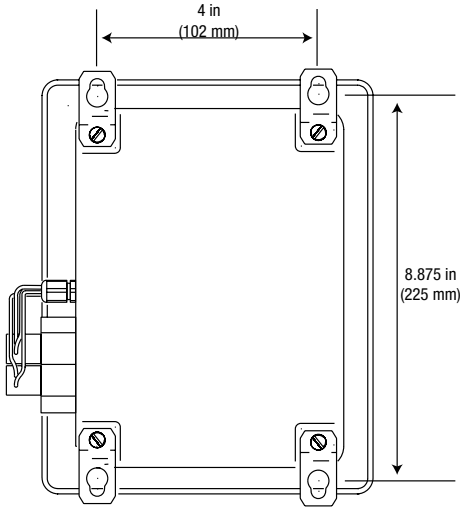
Product Selector

Highlighted areas indicate the different sizes of remote pumps and available materials of construction for seats, balls and diaphragms that can be used with the CycleFlo and CycleFlo II controller.

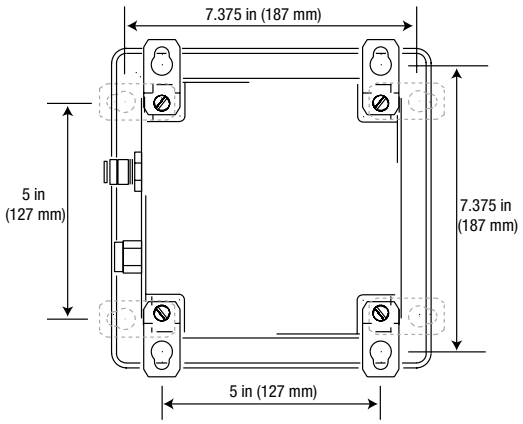
PUMP SIZE (AIR MOTOR TYPE AND MATERIAL)	WETTED PARTS	SEATS	BALLS	DIAPHRAGM
2 = 1/4" (6.35 mm) Remote: polypropylene center section	1 = Acetal (npt)	0 = Seat with ball	1 = PTFE	1 = PTFE
4 = 1/2" (12.7 mm) Remote: polypropylene center section	2 = Poly (npt)	2 = Acetal	2 = Acetal	5 = TPE
4 = 3/4" (19.05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

Mounting Dimensions

CycleFlo



CycleFlo II

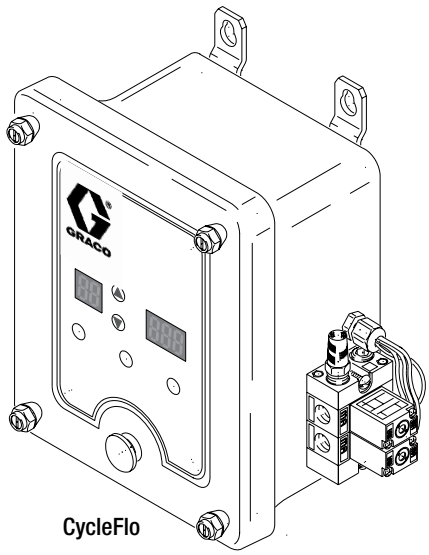


How To Determine The Best Remote Pump:

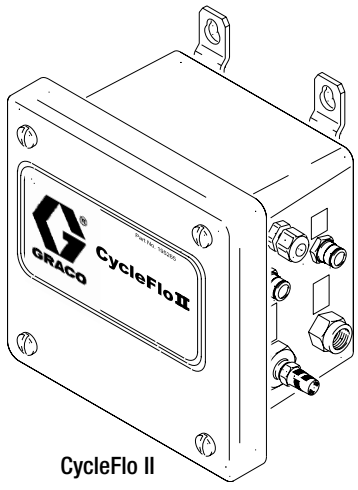
1. Configure the best seat, ball and diaphragm combination, as well as fluid wetted parts, based on material compatibility and application requirements.
   - If the material is a mild acid, the choice could be a DX2911.
2. Determine dispense time and volume accuracy.
   - In two minutes, 50 gallons need to be dispensed ±5% accuracy
3. Use the displacement volume chart below to choose the pump size with an outlet volume/cycle that is most closely divisible into your required flow.*
   - Husky 1590 produces .5 gal/cycle
   - Husky 2150 produces 1.03 gal/cycle

				NEW		
	Husky 205	**Husky 515**	**Husky 716**	**Husky 1050**	**Husky 1590**	**Husky 2150**
Volume/cycle	1/4 in	1/2 in	3/4 in	1 in	1-1/2 in	2 in
Cubic centimeters (cc)	46	150	150	644	1960	3000
Liters	0.05	0.15	0.15	0.64	1.96	3.9
Grams (assumes s.g =1.0)	46	150	150	644	1960	3900
Kilograms (kg)	0.05	0.15	0.15	0.64	1.96	3.9
Gallons	0.01	0.04	0.04	0.17	0.50	1.03
Quarts	0.05	0.16	0.16	0.68	2.0	4.12
Pints	0.1	0.32	0.32	1.36	4.0	8.24
Ounces	1.54	5.12	5.12	21.8	64.0	131.84
Cubic inch	2.77	9.24	9.24	39.27	115.5	237.93

4. Determine the number of cycles required. Calculate the dispense time by dividing required flow by outlet volume per cycle.
   - Husky 1590 = 50 gal/0.5 gal/cycle = 100 cycles
   - Husky 2150 = 50 gal/1.03 gal/cycle = 48.55 cycles
5. Determine if cycle output is within the dispense accuracy required.
   - Husky 2150 requires 48.55 cycles to pump 50 gallons. Only full cycles are possible, so either 48 or 49 cycles can be counted. At the 48 cycle count, dispense would be 49.44 gallons. At the 49 cycle count, dispense would be 50.47 gallons.
   - Husky 1590 requires 100 cycles to pump 50 gallons. No partial cycles required.
6. After determining the best size, use the pump ordering matrix to decide which remote center section is most suitable for the application – DC2911 (aluminum center section) or DU5911 (stainless steel center section).
   - Since a mild acid is being pumped, DC2911, an aluminum center section would be the best choice.



CycleFlo



CycleFlo II

* Displacement values are estimates based on average running conditions.

Ordering Information

PART NUMBER	CONSTRUCTION	PACKING
226940	Drum/CS/SST (UL, CE)	T&L
226941	Drum/CS/SST (UL, CE)	PE
226942	Drum/SST (UL, CE)	PE
226943	Stubby/CS/SST (UL, CE)	L
226944	Stubby/CS/SST (UL, CE)	PE
226945	Stubby/SST (UL, CE)	PE
226946	Drum/CS/SST (CE)	T
237129	Drum/SST (CE)	T
237130	Stubby/CS (CE)	L
237131	Stubby/CS (CE)	T
237132	Stubby/CS (CE)	T
237133	Drum/CS (CE)	L
237134	Drum/CS (CE)	T

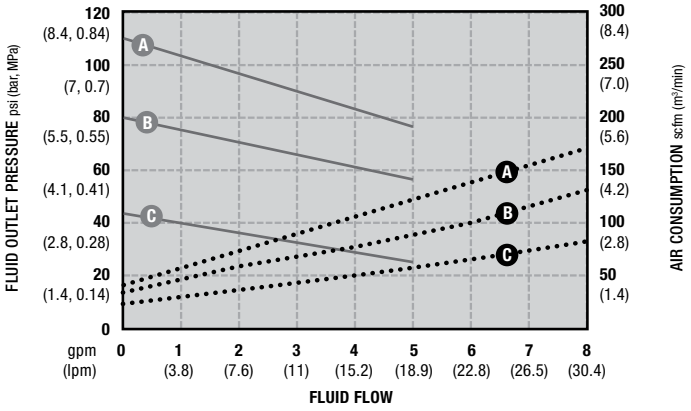
N = Neoprene
L = Leather
T = PTFE
SST = 304 Stainless Steel
CS = Carbon Steel
PE = Polyethylene

Technical Specifications

Fast-Flo 1:1	Priming Piston
Maximum fluid working pressure	180 psi (12.4 bar, 1.24 MPa)
Maximum pump speed	100 cpm
Pump cycles per gallon (3.8 l)	25
Maximum air input pressure	180 psi (12.4 bar, 1.24 MPa)
Maximum operating temperature	120°F (49°C)
Typical sound level	72 dBa
Air inlet	1/4 npt (f)
Fluid outlet	3/4 npt (f)
Weight	20 lbs (9.07 kg) Drum; 11 lbs (4.99 kg) Stubby
Instruction Manual	307427

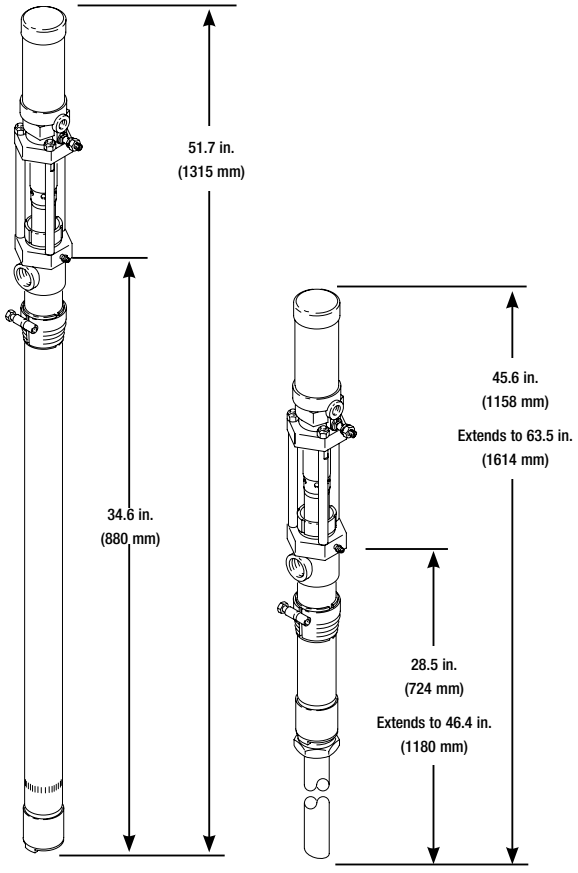
Performance Charts

Fast-Flo 1:1 Performance



AIR PRESSURE	LEGEND
(A) = at 100 psi (7 bar, 0.7 MPa)	Air Consumption
(B) = at 70 psi (4.8 bar, 0.48 MPa)	Fluid Flow
(C) = at 40 psi (2.8 bar, 0.28 MPa)	

Dimensions



Ordering Information and Technical Specifications

Name of Pump	Senator 19:1	Viscount II 1900	Bulldog 31:1	Viscount II 3100
Lower size	800	800	800	800
Maximum fluid pressure	1900 psi (131 bar, 13.1 MPa)	1900 psi (131 bar, 13.1 MPa)	3100 psi (213 bar, 21.3 MPa)	3100 psi (213 bar, 21.3 MPa)
Maximum motor inlet pressure	100 psi (air) (6.9 bar, 0.69 MPa)	450 psi (oil) (31 bar, 3.1 MPa)	100 psi (air) (6.9 bar, 0.69 Mpa)	750 psi (oil) (51.7 bar, 5.1 MPa)
Flow rate @ 60 cpm	2.8 gpm (10.6 lpm)	2.8 gpm (10.6 lpm)	2.8 gpm (10.6 lpm)	2.8 gpm (10.6 lpm)
Cfm or gpm required per gallon	24 cfm	4.3 gpm (16.2 lpm)	32 cfm	4.3 gpm (16.2 lpm)
Fluid pump outlet size	1" npt (f)	1" npt (f)	1" npt (f)	1" npt (f)
Motor inlet size	3/4" npt (f)	3/4" npt (f)	3/4" npt (f)	3/4" npt (f)
Weight of pump	160 lb (73 kg)	177 lb (80 kg)	160 lb (73 kg)	177 lb (80 kg)
Instruction manual	308351	308351	308351	308351

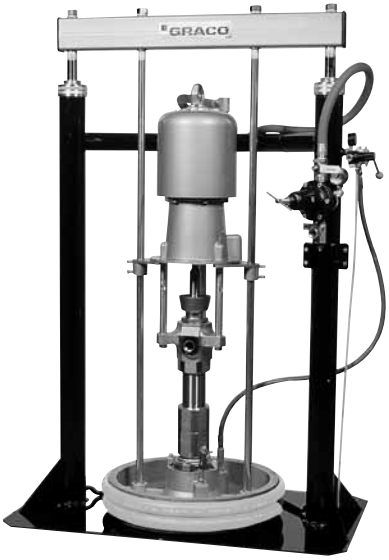
Bin Supply	Senator 19:1	Viscount II 1900	Bulldog 31:1	Viscount II 3100
Pump	246941	246938	246940	246938
Air controls: FRL, 1/2"	217072		217072	
Air run away control, 3/4"	224040		224040	
Air speed control, 1/2"(f)	510441		510441	
Floor stand (3" inlet)	222780	222780	222780	222780
Hydraulic controls*		236865		236865
Outlet hydraulic hose connector 1"(m) x 1-1/2"(f), 1500 psi rated		Not included		Not included

55-Gallon Drum Supply	Senator 19:1	Viscount II 1900	Bulldog 31:1	Viscount II 3100
Ram package with pump	234377	234378	234374	234378
Air run away control, 3/4"	224040		224040	
Air speed control, 1/2"	510441		510441	
Hydraulic controls*		236865		236865
Outlet hydraulic hose connector 1"(m) x 1-1/2"(f), 1500 psi rated		Not included		Not included

Misc. Information	Senator 19:1	Viscount II 1900	Bulldog 31:1	Viscount II 3100
Pump lower section	246939	246939	246939	246939
Ram plate replacement seals	165601	165601	165601	165601

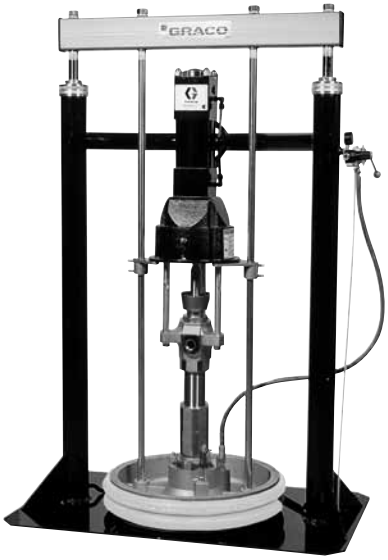
**Hydraulic controls include hydraulic flow and pressure control, ball valves, 3 ft supply and return hose*

19:1 Senator



19:1 Senator on 55 gallon ram

31:1 Bulldog



Viscount II 3100 on 55 gallon ram

Name of Pump	Bulldog 12:1	Viscount II 1200	King 24:1	Viscount II 2400
Lower size	2100	2100	2100	2100
Maximum fluid pressure	1200 psi (82.8 bar, 8.28 MPa)	1200 psi (82.8 bar, 8.28 MPa)	2400 psi (165 bar, 16.5 MPa)	2400 psi (165 bar, 16.5 MPa)
Maximum motor inlet pressure	100 psi (air) (6.9 bar, 0.69 MPa)	750 psi (oil) (51.7 bar, 5.1 Mpa)	100 psi (air) (6.9 bar, 0.69 Mpa)	1500 psi (oil) (103 bar, 10.3 Mpa)
Flow rate @ 60 cpm	7.5 gpm (28.4 lpm)	7.5 gpm (28.4 lpm)	7.5 gpm (28.4 lpm)	7.5 gpm (28.4 lpm)
Cfm or gpm required per gallon	20 cfm	1.6 gpm (6 lpm)	25 cfm	1.6 gpm (6 lpm)
Fluid pump outlet size	1-1/2" npt (m)	1-1/2" npt (m)	1-1/2" npt (m)	1-1/2" npt (m)
Motor inlet size	3/4" npt (f)	3/4" npt (f)	3/4" npt (f)	3/4" npt (f)
Weight of pump	142 lb (65 kg)	196 lb (89 kg)	160 lb (73 kg)	196 lb (89 kg)
Instruction manual	308149	308149	308149	308149

Bin Supply	Bulldog 12:1	Viscount II 1200	King 24:1	Viscount II 2400
Pump	246935	246937	246936	246937
Air controls: FRL, 1/2"	217072		217072	
Air run away control, 3/4"	224040		224040	
Air speed control, 1/2"(f)	510441		510441	
Floor stand (3" inlet)	222780	222780	222780	222780
Hydraulic controls*		236865		236865
Outlet hydraulic hose connector 1"(m) x 1-1/2" (f), 1500 psi rated		Not included		Not included

55-Gallon Drum Supply	Bulldog 12:1	Viscount II 1200	King 24:1	Viscount II 2400
Ram package with pump	234371	234376	234372	234376
Air run away control, 3/4"	224040		224040	
Air speed control, 1/2"(f)	510441		510441	
Hydraulic controls*		236865		236865
Outlet hydraulic hose connector 1"(m) x 1-1/2" (f), 1500 psi rated		Not included		Not included

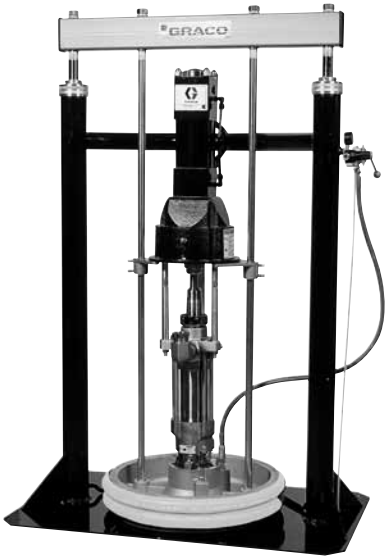
Misc. Information	Bulldog 12:1	Viscount II 1200	King 24:1	Viscount II 2400
Pump lower section	246934	246934	246934	246934
Ram plate replacement seals	165601	165601	165601	165601

**Hydraulic controls include hydraulic flow and pressure control, ball valves, 3 ft supply and return hose*

12:1 Bulldog

Viscount II 2100

24:1 King



Viscount II 2400 on 55 gallon ram

Piston Pumps for Ink Applications

Ordering Information and Technical Specifications

Piston Pumps	President 20:1
Lower size	450
Maximum fluid pressure	2000 psi (140 bar. 14 MPa)
Maximum motor inlet pressure	100 psi (7 bar, 0.7 MPa)
Flow rate @ 60 cpm	1.2 gpm (4.5 lpm)
Cfm or gpm required per gallon	35 cfm
Fluid pump outlet size	3/4" npt (f)
Motor inlet size	1/2" npt (f)
Weight of pump	50 lb (22.7 kg)
Instruction manual	308017

Bin Supply	President 20:1
Pump	246933
Air controls: FRL, 3/8"(f)	110150
Floor stand (3" inlet)	222780
Air run away control, 3/4"(f)	224040
Air speed control 1/2"(f)	510441

55-Gallon Drum Supply	President 20:1
Ram package with pump and air regulator	234369
Air run away control, 3/4"(f)	224040
Air speed control, 1/2"(f)	510441

5-Gallon Pail Supply	President 20:1
Cart package with pump	234370
Air run away control, 3/4"(f)	224040
Air speed control, 1/2"(f)	510441

Misc. Information	President 20:1
Pump lower section	246932
Ram plate replacement seals	165601

20:1 President

20:1 President
for 5 gallon pail supply
(mounted inductor setup)

Ordering Information and Technical Specifications

Piston Pumps with Sealed Wet Cup

Ink Pump Package Part No.	Series	Ratio	DataTrak	Remote DataTrak	Power Source	Displacement Pump Size	Maximum Air or Hydraulic Input Pressure psi (MPa, bar)	Maximum Fluid Working Pressure psi (MPa, bar)
258744	A	14:1			Air	500 cc	100 (0.7, 7.0)	1400 (9.7, 97)
258745	A	14:1	x		Air	500 cc	100 (0.7, 7.0)	1400 (9.7, 97)
258746	A	14:1		x	Air	500 cc	100 (0.7, 7.0)	1400 (9.7, 97)
258747	A	23:1			Air	200 cc	100 (0.7, 7.0)	2300 (15.9, 159)
258748	A	23:1	x		Air	200 cc	100 (0.7, 7.0)	2300 (15.9, 159)
258749	A	23:1		x	Air	200 cc	100 (0.7, 7.0)	2300 (15.9, 159)
258750	A	26:1			Air	500 cc	100 (0.7, 7.0)	2600 (17.9, 179)
258751	A	26:1	x		Air	500 cc	100 (0.7, 7.0)	2600 (17.9, 179)
258752	A	26:1		x	Air	500 cc	100 (0.7, 7.0)	2600 (17.9, 179)
258753	A	1.6:1			Hydraulic Oil	500 cc	1500 (10, 103)	2300 (15.9, 159)

Motor Conversion Kits

Part No.	Description
24C743	To install an L200CM Check-Mate displacement pump on an existing King air motor
24C744	To install an L500CM Check-Mate displacement pump on an existing King air motor
24D625	To install an L500CM Check-Mate displacement pump on an existing Viscount II hydraulic motor

Piston Pumps with Sealed Wet Cup	
Stroke length	
Pneumatic	4.75 in (120.65 mm)
Hydraulic	4.69 in (119.13 mm)
Maximum fluid operating temperature	180° F (82.3° C)
Air or Hydraulic Inlet Size	3/4 npt (f)
Fluid outlet size	200 cc displacement pump: 1 npt (f)
	500 cc displacement pump: 1-1/2 npt (f)
Maximum pump speed	60 cpm

(Do not exceed maximum recommended speed of fluid pump, to prevent premature pump wear)

Other

Part No.	Description
222780	Floor Stand Kit See manual 307971

Pneumatic

Hydraulic

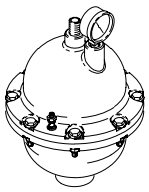
Surge Suppressors
Husky 750 and Husky 2000

Husky 750, 3/4 in npt(f) Surge Suppressors

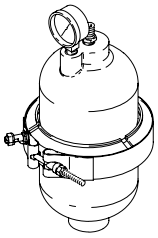
Automatic	Polypropylene wetted bottom housing and non-wetted top housing	Stainless Steel wetted bottom housing and non-wetted top housing	Acetal wetted bottom housing and non-wetted top housing
Weight	9 lb (4.1 kg)	16 lb (7.3 kg)	9 lb (4.1 kg)
Suppressor with Buna-N bladder	239096	239095	239094
Suppressor with PTFE bellows	239121	239123	239125
Suppressor with Fluoroelastomer bladder	239122	239124	n/a
Adjustable	**Polypropylene** wetted bottom housing and non-wetted top housing	**Stainless Steel** wetted bottom housing and non-wetted top housing	**Acetal** wetted bottom housing and non-wetted top housing
Weight	9 lb (4.1 kg)	16 lb (7.3 kg)	9 lb (4.1 kg)
Suppressor with Buna-N bladder	239091	239090	239089
Suppressor with PTFE bellows	239129	239131	239133
Suppressor with Fluoroelastomer bladder	239130	239132	n/a

Husky 2000, 2 in npt(f) Surge Suppressors

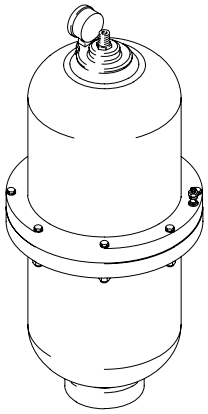
Automatic	Polypropylene wetted bottom housing and non-wetted top housing	Stainless Steel wetted bottom housing, polypropylene non-wetted top housing
Weight	18 lb (8.2 kg)	36 lb (16.3 kg)
Suppressor with Buna-N bladder	239092	239093
Suppressor with PTFE bellows	239128	239126
Suppressor with Fluoroelastomer bladder	n/a	239127
Adjustable	**Polypropylene** wetted bottom housing and non-wetted top housing	**Stainless Steel** wetted bottom housing, polypropylene non-wetted top housing
Weight	18 lb (8.2 kg)	36 lb (16.3 kg)
Suppressor with Buna-N bladder	239087	239088
Suppressor with PTFE bellows	239136	239134
Suppressor with Fluoroelastomer bladder	n/a	239135



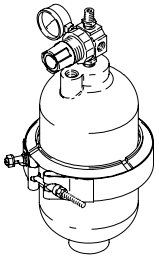
239095
Automatic



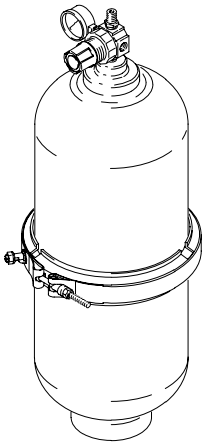
239096
Automatic



239126
Automatic



239091
Adjustable



239088
Adjustable

Technical Specifications

Surge Suppressors	Husky 750	Husky 2000
Max. air input pressure	120 psi (0.84 MPa, 8.4 bar)	120 psi (0.84 MPa, 8.4 bar)
Air line connection	1/4 npt	1/4 npt
Fluid inlet size	3/4 in npt(f)	2 in npt(f)
Instruction manual	308703	308703

Notes

Notes

Graco Standard Warranty

Graco warrants all equipment referenced in this document which is manufactured by Graco and bearing its name to be free from defects in material and workmanship on the date of sale by an authorized Graco distributor to the original purchaser for use. With the exception of any special, extended, or limited warranty published by Graco, Graco will, for a period of twelve months from the date of sale, repair or replace any part of the equipment determined by Graco to be defective. This warranty applies only when the equipment is installed, operated and maintained in accordance with Graco's written recommendations.

This warranty does not cover, and Graco shall not be liable for general wear and tear, or any malfunction, damage or wear caused by faulty installation, misapplication, abrasion, corrosion, inadequate or improper maintenance, negligence, accident, tampering, or substitution of non-Graco component parts. Nor shall Graco be liable for malfunction, damage or wear caused by the incompatibility of Graco equipment with structures, accessories, equipment or materials not supplied by Graco, or the improper design, manufacture, installation, operation or maintenance or structures, accessories, equipment or materials not supplied by Graco.

This warranty is conditioned upon the prepaid return of the equipment claimed to be defective to an authorized Graco distributor for verification of the claimed defect. If the claimed defect is verified, Graco will repair or replace free of charge any defective parts. The equipment will be returned to the original purchaser transportation prepaid. If inspection of the equipment does not disclose any defect in material or workmanship, repairs will be made at a reasonable charge, which charges may include the costs of parts, labor, and transportation.

THIS WARRANTY IS EXCLUSIVE, AND IS IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTY OF MERCHANTABILITY OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.

Graco's sole obligation and buyer's sole remedy for any breach of warranty shall be as set forth above. The buyer agrees that no other remedy (including, but not limited to, incidental or consequential damages for lost profits, lost sales, injury to person or property, or any other incidental or consequential loss) shall be available. Any action for breach of warranty must be brought within two (2) years of the date of sale.

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Equipment Misuse Hazard

General Misuse: Any misuse of Graco equipment or accessories, such as over-pressurizing, modifying parts, using incompatible chemicals and fluids, or using worn or damaged parts, can cause them to rupture. Misuse of equipment can result in fluid injection, splashing in the eyes or on the skin, or other serious bodily injury, or fire, explosion or property damage. NEVER alter or modify any part of Graco equipment; doing so could cause the product to malfunction. CHECK all equipment regularly and repair or replace worn or damaged parts immediately. Always wear protective eye wear, gloves, clothing and respirator as recommended by fluid and solvent manufacturers.

System Pressure: Be sure that all equipment and accessories used are rated to withstand the applicable MAXIMUM WORKING PRESSURE. DO NOT exceed the maximum working pressure of any component or accessory used in a system.

Fluid and Solvent Compatibility: All chemicals used in a Graco sprayer must be compatible with wetted parts. Consult your chemical supplier to ensure compatibility. Do not use 1:1:1-trichloroethane, methylene chloride, other halogenated hydrocarbon solvents or fluids containing such solvents in this equipment, which contains aluminum and/or zinc parts. Such use could result in a serious chemical reaction, with the possibility of explosion, which could cause death, serious bodily injury and/or substantial property damage.

ABOUT GRACO

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Founded in 1926, Graco is a world leader in fluid handling systems and components. Graco products move, measure, control, dispense and apply a wide range of fluids and viscous materials used in vehicle lubrication, commercial and industrial settings.

The company's success is based on its unwavering commitment to technical excellence, world-class manufacturing and unparalleled customer service. Working closely with qualified distributors, Graco offers systems, products and technology that set the quality standard in a wide range of fluid handling solutions. Graco provides equipment for spray finishing, protective coating, paint circulation, lubrication, and dispensing sealants and adhesives, along with power application equipment for the contractor industry. Graco's ongoing investment in fluid management and control will continue to provide innovative solutions to a diverse global market.

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