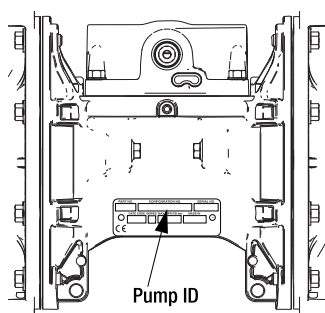


Husky 1050 Metal Pumps Air-Operated Double Diaphragm

Husky 1050 Selector Tool

To order a Husky 1050, use the online selector tool at www.graco.com/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.

Husky™
Air-Operated Double Diaphragm Pumps

Certification Required: ATEX
Pump Inlet/Outlet Size: One Inch (25mm)
Fluid Covers and Manifolds: [A] Aluminum
Center Section and Air Valve: [A01A] Aluminum Standard Air Valve w/Buna Seats
Porting: [A1] Aluminum Standard Porting Inch (NPT)
Seats: [PP] Polypropylene
Balls: [TP] TPE
Diaphragms: [TP] TPE
Manifold O-Rings: [PT] PTFE Standard

Order number reverse look-up
Enter a 6 digit Graco number, product configuration or old "D" number

Graco Part Number: 647000
Configuration Number: 1050A-A01AA1PPTPTPT
Old "D" Graco Number: D73955

Replacement Kits
24B766 - KIT REPLACEMENT STAND. VALVE
24B635 - KIT, 1050, POLYPROPYLENE SEAT
24B642 - KIT, 1050, HYTREL BALL
24B624 - KIT, 1050, HYTREL DIAPHRAGM

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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	Fluid Covers and Manifolds
1050A ★ Aluminum	Aluminum	A01 Standard	A1 Aluminum, standard ports, inch
		A01B Pulse Count ✖	A2 Aluminum, standard ports, metric
		A01C DataTrak ✖	S1 Stainless steel, standard ports, inch
1050S ‡ Stainless Steel		A01D Remote	S2 Stainless steel, standard ports, metric
	Conductive Polypropylene	C01A Standard	H1 Hastelloy, standard ports, inch
1050H Hastelloy	Polypropylene	P01A Standard	H2 Hastelloy, standard ports, metric
		P01B Pulse Count ✖	
		P01C DataTrak ✖	
		P01D Remote	

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

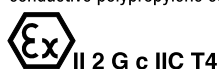
Check Valve Seats	Check Valve Balls	Diaphragm	Manifold O-Rings
AC Acetal	AC Acetal	BN Buna-N	— None
AL Aluminum	BN Buna-N	CO Polychloroprene Overmolded	PT PTFE
BN Buna-N	CR Polychloroprene Standard	FK FKM Fluoroelastomer	
FK FKM Fluoroelastomer	CW Polychloroprene Weighted	GE Geolast	
GE Geolast®	FK FKM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

ATEX Certifications

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



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



✖ DataTrak and Pulse Count are certified:



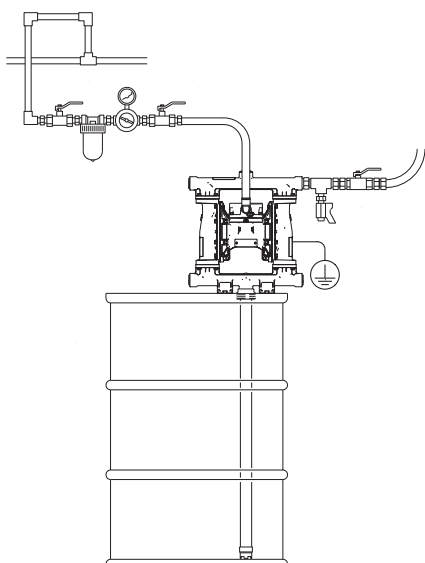
Husky 1050 Metal Pumps

Popular Models

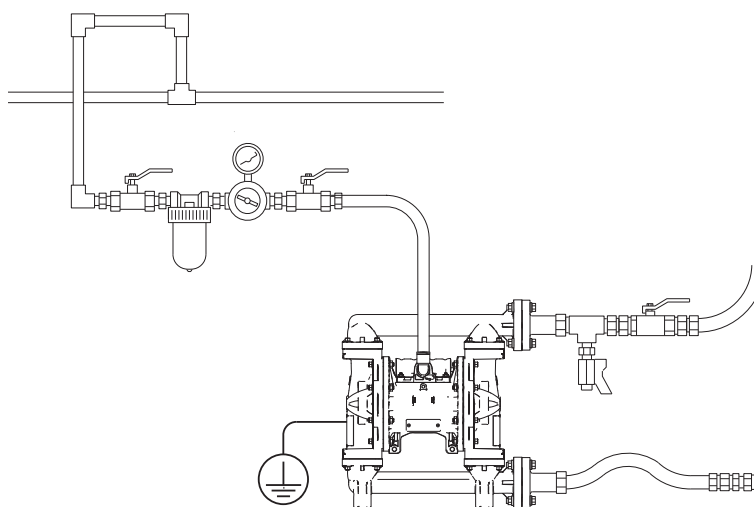
Material	Part Number		Materials for Seats	Materials for Balls	Materials for Diaphragms	Air Valve Replacement Kit	Seat Kit	Ball Kit	Diaphragm Kit
	Standard Air Valve	Remote Air Valve							
Aluminum	647666	647502	Thermoplastic Polyester Elastomer	Acetal	Thermoplastic Polyester Elastomer	24B766	24B634	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		FKM	PTFE	PTFE/EPDM 2 Piece	24B773	24B638	24B645	24B627

Typical System Drawings

Husky 1050 Bung-Mount



Husky 1050 Floor-Mount



Husky 1050 Metal Pumps

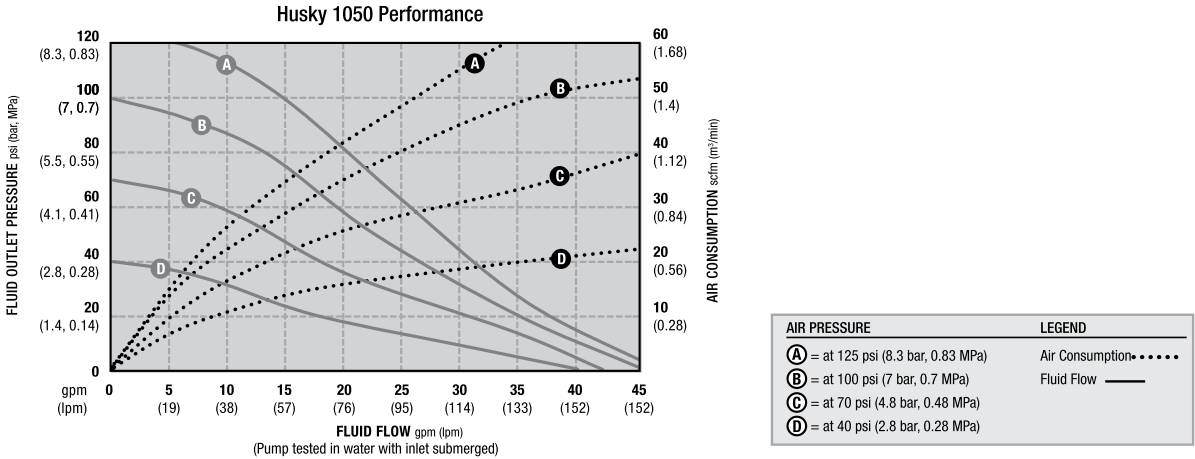
Technical Specifications



Husky 1050 Metal Pumps	Aluminum	Stainless Steel		Hastelloy
Maximum fluid working pressure	125 psi (8.6 bar, 0.86 MPa)	125 psi (8.6 bar, 0.86 MPa)		125 psi (8.6 bar, 0.86 MPa)
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 with polypropylene center with aluminum center	36.3 lb (16.5 kg) 37.3 lb (16.9 kg) 41.4 lb (18.8 kg)	41 lb (18.6 kg)
Wetted parts	aluminum and material(s) chosen for seat, ball, and diaphragm options	stainless steel and material(s) chosen for seat, ball, and diaphragm options		hastelloy, stainless steel and material(s) chosen for seat, ball, and diaphragm options
Non-wetted Parts Center Bolts	aluminum coated carbon steel	polypropylene stainless steel	aluminum stainless steel	polypropylene stainless steel
Instruction manual	312877	312877		312877
Repair/parts manual	313435	313435		313435

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

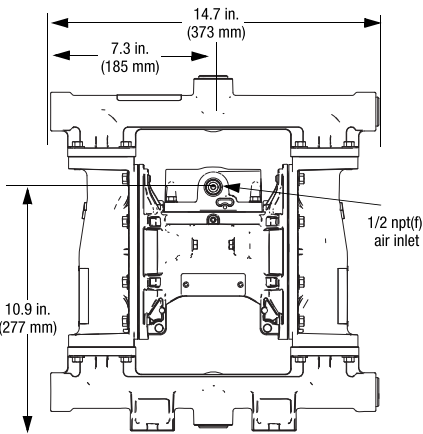
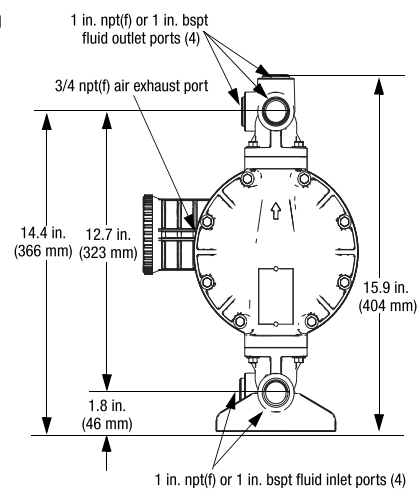
Performance Charts



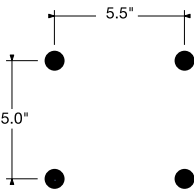
Husky 1050 Metal Pumps

Dimensions

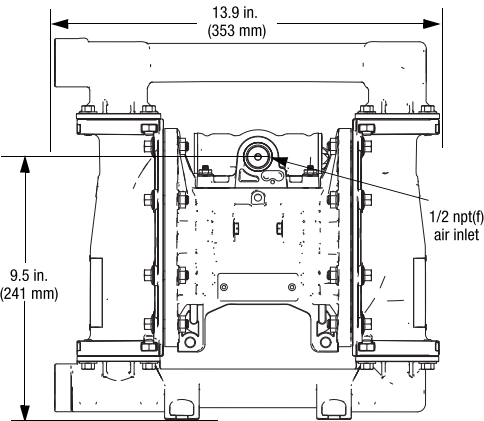
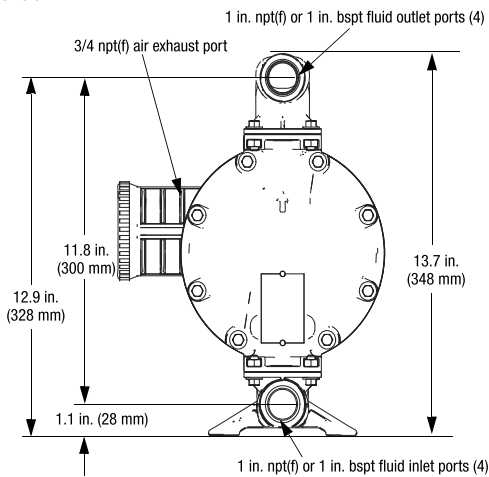
Aluminum



Mounting Pattern



Stainless Steel



Mounting Pattern

