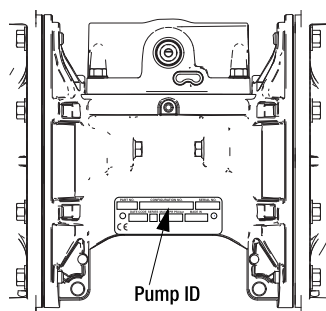


Husky 1050 Plastic Pumps

Air-Operated Double Diaphragm

Husky 1050 Selector Tool

To order a Husky 1050, use the online selector tool at www.graco.com/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: No Certification Required

Pump Inlet/Outlet Size: One Inch (25mm)

Fluid Covers and Manifolds: [P] Polypropylene

Center Section and Air Valve: [P01A] Polypropylene Standard Air Valve

Porting: [P1] Polypropylene Center Flange ANSIXIN PN6

Seats: [PP] Polypropylene

Balls: [SP] Santoprene

Diaphragms: [SP] Santoprene

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: 649001
Configuration Number: 1050P-P01AP1PPSPPT
Old "D" Graco Number: D72965

Replacement Kits
24B773-KIT AIRVALVE, POLY STD
24B635 - KIT, 1050, POLYPROPYLENE SEAT
24B646 - KIT, 1050, SANTOPRENE BALL
24B628 - KIT, 1050, SANTOPRENE 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
1050C ★ Conductive Polypropylene	Conductive Polypropylene	C01A Standard	C1 Conductive polypropylene, center flange
		C01B Pulse Count ✖	C2 Conductive polypropylene, end flange
		C01C DataTrak ✖	
		C01D Remote	P1 Polypropylene, center flange
1050P Polypropylene	Polypropylene	P01A Standard	P2 Polypropylene, end flange
		P01B Pulse Count ✖	
1050F PVDF		P01C DataTrak ✖	F1 PVDF, center flange
		P01D Remote	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:



✖ DataTrak and Pulse Count are certified:



EEx ia IIA T3
Nemko
06ATEX1124

Husky 1050 Plastic Pumps

Popular Models

Material	Part Number Standard Air Valve	Materials for Seats	Materials for Balls	Materials for Diaphragms	Air Valve Replacement Kit	Seat Kit	Ball Kit	Diaphragm Kit	Flange
Polypropylene	649001	Polypropylene	Santoprene	Santoprene	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

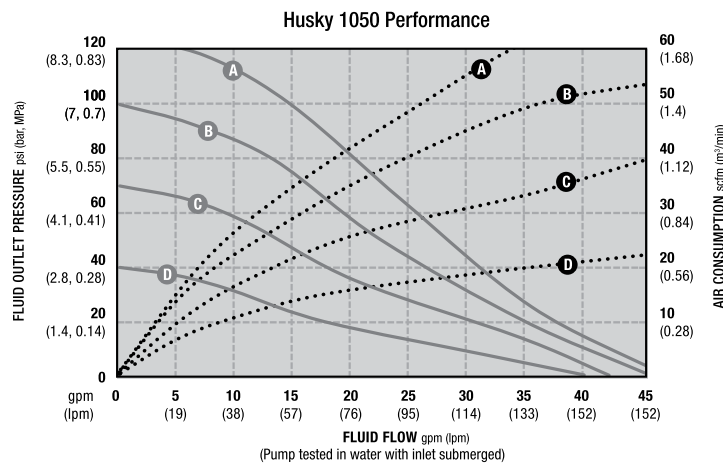
Husky 1050 Plastic Pumps	Conductive Polypropylene	Polypropylene	PVDF
Maximum fluid working pressure	125 psi (8.6 bar, 0.86 MPa)	125 psi (8.6 bar, 0.86 MPa)	125 psi (8.6 bar, 0.86 MPa)
Maximum free flow delivery	50 gpm (189 lpm)	50 gpm (189 lpm)	50 gpm (189 lpm)
Maximum pump speed	280 cpm	280 cpm	280 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.

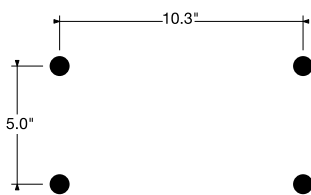
Husky 1050 Plastic Pumps

Performance Charts

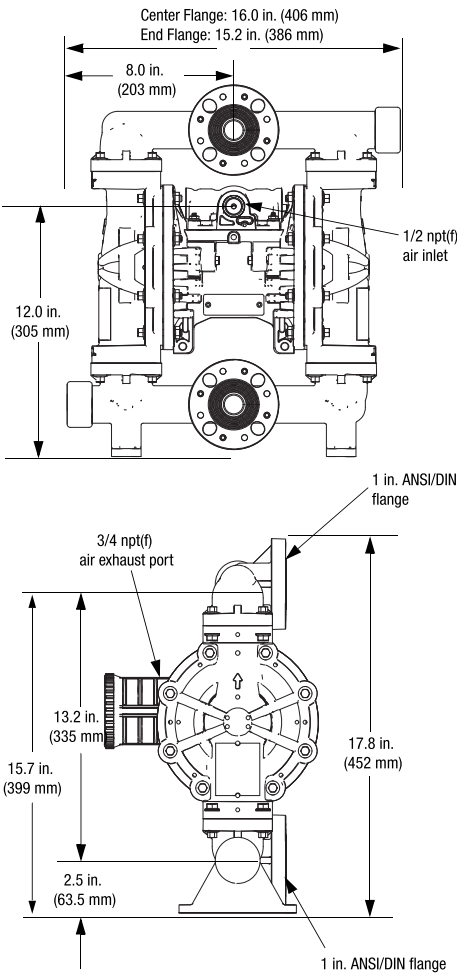


AIR PRESSURE	LEGEND
(A) = at 125 psi (8.3 bar, 0.83 MPa)	Air Consumption.....
(B) = at 100 psi (7 bar, 0.7 MPa)	Fluid Flow —
(C) = at 70 psi (4.8 bar, 0.48 MPa)	
(D) = at 40 psi (2.8 bar, 0.28 MPa)	

Mounting Pattern



Dimensions



Typical System Drawings

Husky 1050 Floor-Mount

