



Husky™ 1050 Pumps

A Complete Family of 1 inch (25.4 mm)
Air-Operated Double Diaphragm Pumps



There are
NO EQUALS

- **30%** more efficient than the market leaders
- **20%** increase in fluid flow compared to the Husky 1040
- Up to **5 times** longer diaphragm life compared to other diaphragm pumps in its class
- Expanded material offering to handle **endless applications**

PROVEN QUALITY. LEADING TECHNOLOGY.

HUSKY 1050 FAMILY

No Limits. No Equals. No Problem.

At Graco, there are no limits when it comes to designing pumps that exceed your expectations.

That's why we're expanding our pump line.

What makes these Husky Pumps among the Best in the Industry?

Efficiency

30% more efficient than the industry leaders.

Performance

Delivers material up to 50 gpm (189 lpm). That's a 20% increase in flow*!

Engineering

Diaphragms last 5 times longer than others in its class*.

Buy a Husky 1050 pump today and you'll quickly see why there are NO EQUALS!

*When compared to the Husky 1040.



Aluminum



Polypropylene



Stainless Steel



PVDF

SIX MATERIALS. ENDLESS APPLICATIONS.

There are NO EQUALS



Modular Air Valve

Stall-free, low pulsation operation provides smooth and rapid changeover

One-Piece Center Section

Eliminates air leaks for more efficient operation

Longer Diaphragm Life

Up to 5x longer diaphragm life for less maintenance and downtime

Optional Features

DataTrak™

Runaway protection
Tracks material usage

Pulse Output

Cycle count capability



Four Bolt Joint Design

Bolted design provides even sealing pressure for leak-free operation

Multiple Ports

Increased number of ports for installation flexibility

Find the Right Pump for your Application

Graco is making it easy to select a pump that's right for your application.

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

The screenshot shows the Husky Pump Selector tool interface. It features a navigation bar with 'Welcome' and 'Pump Selector'. Below this, there are several dropdown menus for selecting pump specifications: Pump Size? (1 inch), Pump Material? (Aluminum Pump), Air Valve & Center Section? (Aluminum Std. Air Valve), Fluid Cover & Manifolds? (Standard Poring Inch), Check Style? (PP Seal), Ball Style? (Thermoplastic Polyester Elastomer Std), Diaphragm? (Thermoplastic Polyester Elastomer Std), and Seat & Manifold Seal? (PTFE). A 'Graco Order Number: 647000' is displayed, along with an 'Old '07' Graco Number: 072655'. A 'Replacement Kits' section lists: 248786 Aluminum Std Air Valve Replacement Kit, 248635 Poly Seal Kit, 248635 Poly Seal Kit, 248642 TPE Ball Kit, and 248654 TPE Diaphragm Kit. The interface also includes a 'DataTrak' logo and a 'PROVEN QUALITY. LEADING TECHNOLOGY.' banner at the bottom.

Example of Product Selector Tool on www.gracohusky.com.



Conductive Polypropylene



Hastelloy

WHAT'S NEXT?

Watch for the next pump in Graco's new series of air-operated double diaphragm pumps.

Husky 1050 Technical Specifications

Maximum fluid working pressure.....	125 psi (8.6 bar, 0.86 MPa)	
Air pressure operating range.....	20-125 psi (1.4-8.6 bar, 0.14-0.86 MPa)	
Maximum air consumption.....	67 scfm	
Air consumption at 70 psi (4.8 bar, 0.48 MPa), 20 gpm (76 lpm).....	25 scfm	
Maximum free-flow delivery	50 gpm (189 lpm)	
Maximum pump speed	280 cpm	
Fluid displacement per cycle.....	0.17 gal (0.64 liters)	
Maximum suction lift.....	16 ft (4.9 m) dry, 29 ft (8.8 m) wet	
Maximum size pumpable solids	1/8 in (3.2 mm)	
Sound Power*		
at 70 psi (4.8 bar, 0.48 MPa) and 50 cpm	78 dBa	
at 100 psi (7.0 bar, 0.7 MPa) and full flow	90 dBa	
Sound Pressure**		
at 70 psi (4.8 bar, 0.48 MPa) and 50 cpm	84 dBa	
at 100 psi (7.0 bar, 0.7 MPa) and full flow	96 dBa	
Air inlet size.....	1/2 npt(f)	
Fluid inlet size		
Aluminum (1050A).....	1 in npt(f) or 1 in bspt	
Plastic (1050P, 1050C and 1050F)	1 in raised face ANSI/DIN flange	
Stainless Steel (1050S and 1050H).....	1 in npt(f) or 1 in bspt	
Fluid outlet size		
Aluminum (1050A).....	1 in npt(f) or 1 in bspt	
Plastic (1050P, 1050C and 1050F)	1 in raised face ANSI/DIN flange	
Stainless Steel (1050S and 1050H).....	1 in npt(f) or 1 in bspt	
Weight		
Aluminum (1050A).....	23 lb (10.5 kg)	
Plastic (1050P and 1050C)	18 lb (8.2 kg)	
PVDF (1050F)	21 lb (9.5 kg)	
Stainless Steel (1050S)		
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)	
Hastelloy (1050H)	41 lb (18.6 kg)	
Wetted parts		
Aluminum (1050A).....	aluminum and material(s) chosen for seat, ball, and diaphragm options	
Plastic (1050P, 1050C and 1050F)	polypropylene and material(s) chosen for seat, ball, and diaphragm options	
Stainless Steel (1050S).....	stainless steel and material(s) chosen for seat, ball, and diaphragm options	
Hastelloy (1050H)	hastelloy, stainless steel and material(s) chosen for seat, ball, and diaphragm options	
Non-wetted external parts		
Aluminum (1050A).....	Center aluminum	Bolts coated carbon steel
Plastic (1050P, 1050C and 1050F)	polypropylene	stainless steel
Stainless Steel (1050S).....	polypropylene	stainless steel
Stainless Steel (1050S).....	aluminum	stainless steel
Hastelloy (1050H)	polypropylene	stainless steel
Manual	312877	

* Sound power measured per ISO-9614-2.

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

HUSKY MODELS










205
1/4 in (6.3 mm)
5 gpm (19 lpm)

307
3/8 in (9.4 mm)
7 gpm (26 lpm)

515
1/2 in (12.7 mm) or
3/4 in (19.1 mm)
15 gpm (57 lpm)

716
3/4 in (19.1 mm)
16 gpm (61 lpm)

1050
1 in (25.4 mm)
50 gpm (189 lpm)

1590
1-1/2 in (38.1 mm)
90 gpm (340 lpm)

2150
2 in (50.8 mm)
150 gpm (568 lpm)

3275
3 in (76.2 mm)
275 gpm (1041 lpm)

FEATURED PUMP

All written and visual data contained in this document are based on the latest product information available at the time of publication. Graco reserves the right to make changes at any time without notice.

Call today for product information or to request a demonstration.
877.84GRACO (1-877-844-7226) or visit us at www.graco.com/process.

