

Husky™ 1050 Pumps

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



- Overall improved efficiency
- **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**

Husky 1050 Family

No Limits. 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

Overall improved efficiency.

Performance

Delivers material up to 189 l/min. (50 gpm).

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 experience the difference!

*When compared to the Husky 1040.



Aluminum



Polypropylene



Stainless Steel



PVDF

SIX MATERIALS. ENDLESS APPLICATIONS.

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



Conductive Polypropylene



Hastelloy

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 selector tool or contact your distributor.

Husky™
Air-Operated Double Diaphragm Pumps

Welcome Pump Selector

Pump Size? 1 inch
Pump Material? Aluminum Pump
Air Valve & Center Section? Aluminum Std. Air Valve
Fluid Cover & Manifolds? Standard Porting Inch
Check Style? PP Seat
Ball Style? Thermoplastic Polyester Elastomer Std
Diaphragm? Thermoplastic Polyester Elastomer Sin
Seat & Manifold Seal? PTFE

This product is ATEX certified II 2 GD e IIC T4

Order number never look-up Graco (6 digit) Number? Old 'D' Number?

Graco Order Number: 647000
Center with this number
Old 'D' Graco Number: D73955

Replacement Kits
24B766 Aluminum Std Air Valve Replacement Kit
24B635 Poly Seat Kit
24B635 Poly Seat Kit
24B642 TPE Ball Kit
24B624 TPE Diaphragm Kit

PROVEN QUALITY. LEADING TECHNOLOGY

Example of Product Selector Tool

WHAT'S NEXT?

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



Technical Specifications

HUSKY 1050

Maximum fluid working pressure.....8.6 bar (0.86 MPa, 125 psi)
 Air pressure operating range.....1.4-8.6 bar (0.14-0.86 MPa, 20-125 psi)
 Maximum air consumption.....67 scfm
 Air consumption at 4.8 bar (0.48 MPa, 70 psi),
 76 l/min. (20 gpm).....25 scfm
 Maximum free-flow delivery189 l/min. (50 gpm)
 Maximum pump speed280 cpm
 Fluid displacement per cycle.....0.64 liter (0.17 gal)
 Maximum suction lift.....4.9 m (16 ft) dry, 8.8 m (29 ft) wet
 Maximum size pumpable solids3.2 mm (1/8 in)

Sound Power*

at 4.8 bar (0.48 MPa, 70 psi) and 50 cpm78 dBA
 at 7.0 bar (0.7 MPa, 100 psi) and full flow90 dBA

Sound Pressure**

at 4.8 bar (0.48 MPa, 70 psi) and 50 cpm84 dBA
 at 7.0 bar (0.7 MPa, 100 psi) and full flow96 dBA

Air inlet size1/2 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).....10.5 kg (23 lb)
 Plastic (1050P and 1050C)8.2 kg (18 lb)
 PVDF (1050F)9.5 kg (21 lb)
 Stainless Steel (1050S)
 with conductive polypropylene center16.5 kg (36.3 lb)
 with polypropylene center16.9 kg (37.3 lb)
 with aluminum center18.8 kg (41.4 lb)
 Hastelloy (1050H)18.6 kg (41 lb)

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).....aluminum
 Plastic (1050P, 1050C and 1050F)polypropylene
 Stainless Steel (1050S).....polypropylene
 Stainless Steel (1050S).....aluminum
 Hastelloy (1050H)polypropylene
 Manual312877

Center

Bolts

coated carbon steel
 stainless steel
 stainless steel
 stainless steel
 stainless steel

* Sound power measured per ISO-9614-2.

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

HUSKY MODELS



205

6.3 mm (1/4 in)
19 l/min. (5 gpm)



307

9.4 mm (3/8 in)
26 l/min. (7 gpm)



515

12.7 mm (1/2 in) or
19.1 mm (3/4 in)
57 l/min. (15 gpm)



716

19.1 mm (3/4 in)
61 l/min. (16 gpm)



1050

25.4 mm (1 in)
189 l/min. (50 gpm)

FEATURED PUMP



1590

38.1 mm (1-1/2 in)
340 l/min. (90 gpm)



2150

50.8 mm (2 in)
568 l/min. (150 gpm)



3275

76.2 mm (3 in)
1041 l/min. (275 gpm)

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