

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.

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

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)

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 delivery 189 l/min. (50 gpm)
Maximum pump speed 280 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 solids 3.2 mm (1/8 in)
Sound Power*
 at 4.8 bar (0.48 MPa, 70 psi) and 50 cpm 78 dBA
 at 7.0 bar (0.7 MPa, 100 psi) and full flow 90 dBA
Sound Pressure**
 at 4.8 bar (0.48 MPa, 70 psi) and 50 cpm 84 dBA
 at 7.0 bar (0.7 MPa, 100 psi) 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) 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 center 16.5 kg (36.3 lb)
 with polypropylene center 16.9 kg (37.3 lb)
 with aluminum center 18.8 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

	Center	Bolts
Aluminum (1050A).....	aluminum	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 1 m (3.28 ft) from equipment.

GRACO N.V. Industrieterrein Oude Bunders
Slakweidestraat 31 • B-3630 Maasmechelen
Tel: +32 (89) 770 700 • Fax: +32 (89) 770 777
E-mail: info@graco.be • http://www.graco.com

©2009 Graco Inc. Form No. 344801E (rev. A) 03/10 Printed in Europe.
All other brand names or marks are used for identification purposes and are trademarks of their respective owners. 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.