

# 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.

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