Husky™ 1050HP

High Pressure Air-Operated Diaphragm Pump

- Increased fluid pressure without sacrificing flow
- Low-high pressure mode valve lets you operate the pump as a standard AODD or a high pressure AODD
- Reduce air consumption up to 50% with the low pressure mode
- Same repair parts as our Husky 1050 AODD reduces inventory levels

PROVEN QUALITY. LEADING TECHNOLOGY.

Springer Pumps, LLC
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HUSKY™ 1050HP

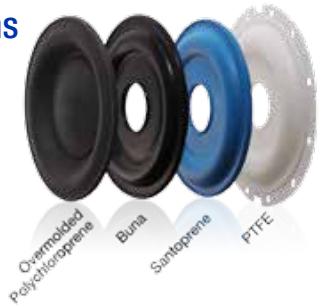
The Husky 1050HP is the first pump on the market that allows users to choose between low pressure and high pressure operating modes with Graco's low-high pressure mode valve. High pressure operation isn't always required, so switch to the low pressure mode to reduce air consumption up to 50%. These features, combined with the quality and reliability of our standard Husky diaphragm pump design; make this one of the most unique high pressure diaphragm pumps on the market.

Material Options

Balls

Seats

Diaphragms



Application Areas

Filter Press Applications

The Husky 1050HP pump is ideal for filter press applications. The full flow and high pressure design allows for maximum flow rate through the press to keep your operation running at top capacity.

RECOMMENDED MATERIALS

Fluid Manifolds / Covers	Aluminum or Stainless Steel
Seat	Santoprene or Stainless Steel
Ball	Santoprene or Stainless Steel
Diaphragms	Santoprene or 2-piece PTFE

Ceramic Applications

For ceramic applications, use the low pressure mode for the initial mold filling to maintain process speed. Final mold pack can be performed in the high pressure mode to remove air pockets for a higher finish quality.

RECOMMENDED MATERIALS

Fluid Manifolds / Covers	Aluminum or Stainless Steel
Seat	Stainless Steel or Geolast
Ball	Weighted Neoprene or Stainless Steel
Diaphragms	Overmolded Neoprene or Buna

High Head Pressure or Long Distance Applications

The high pressure mode of the Husky 1050HP is great for applications that require additional head pressure to pump fluid against higher pressures or longer distances.

RECOMMENDED MATERIALS

Any material configuration can be used as long as chemical compatibility has been verified.

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External Pilots

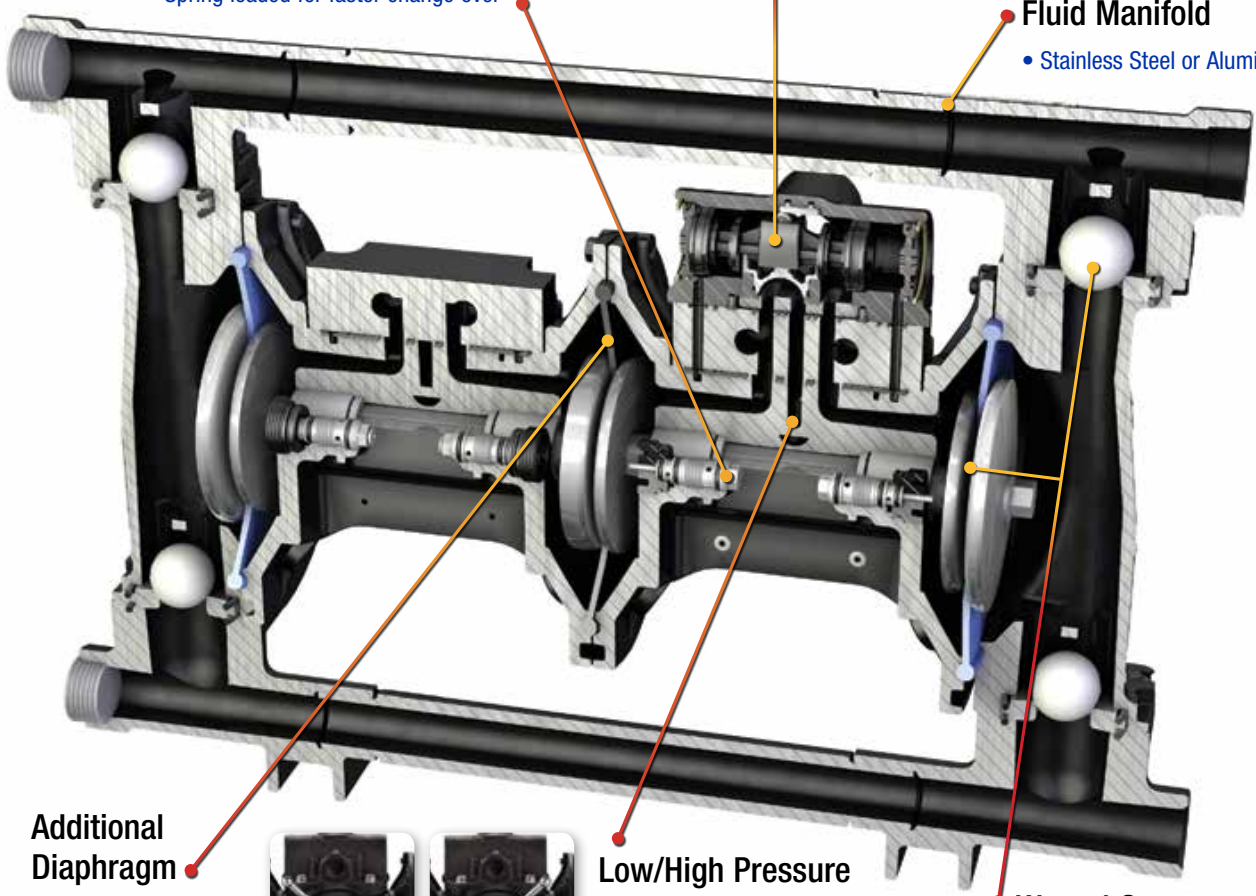
- Ease of maintenance
- Reduced down-time (quick change time)
- Spring loaded for faster change over

Modular Air Valve

- Ease of maintenance
- Stall and lube free

Fluid Manifold

- Stainless Steel or Aluminum



Additional Diaphragm

- For high pressure operation

Low Pressure Setting

High Pressure Setting

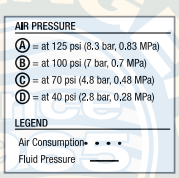
Low/High Pressure Operation Valve

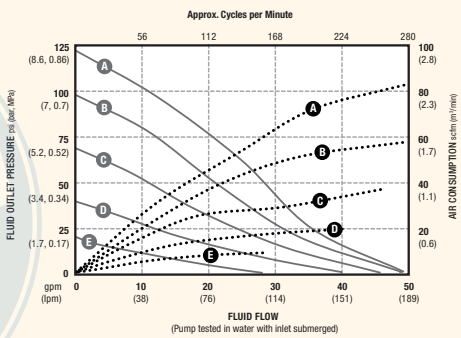
- Selectable operating setting
- Reduces air consumption
- Only use high pressure when required

Wetted Components

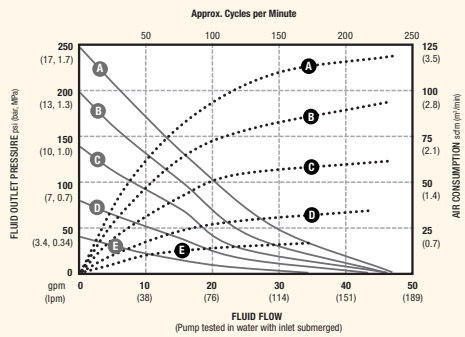
- Utilizes same parts as Husky 1050 which reduces repair part inventory

Performance





LOW PRESSURE SETTING



HIGH PRESSURE SETTING

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Ordering Information

Part No.	Seat	Ball	Fluid Diaphragm	Center Diaphragm	Fluid Covers	Fluid Manifold	Porting
24W756	Stainless Steel	Santoprene	Santoprene	Santoprene	Stainless Steel	Aluminum	NPT
24W757	Stainless Steel	Santoprene	Santoprene	Santoprene	Stainless Steel	Aluminum	BSPT
24W758	Stainless Steel	Santoprene	Santoprene	Santoprene	Stainless Steel	Stainless Steel	NPT
24W759	Stainless Steel	Santoprene	Santoprene	Santoprene	Stainless Steel	Stainless Steel	BSPT
24W762	Santoprene	Santoprene	Santoprene	Santoprene	Stainless Steel	Aluminum	NPT
24W763	Santoprene	Santoprene	Santoprene	Santoprene	Stainless Steel	Aluminum	BSPT
24W764	Geolast	Geolast	Buna	Santoprene	Stainless Steel	Aluminum	NPT
24W765	Geolast	Geolast	Buna	Santoprene	Stainless Steel	Aluminum	BSPT
24W766	Stainless Steel	Weighted Neoprene	Buna	Santoprene	Stainless Steel	Aluminum	NPT
24W767	Stainless Steel	Weighted Neoprene	Buna	Santoprene	Stainless Steel	Aluminum	BSPT
24W768	Stainless Steel	Weighted Neoprene	Neoprene Overmold	Santoprene	Stainless Steel	Aluminum	NPT
24W769	Stainless Steel	Weighted Neoprene	Neoprene Overmold	Santoprene	Stainless Steel	Aluminum	BSPT
24X388	Stainless Steel	Stainless Steel	2-piece PTFE/Santoprene	Santoprene	Stainless Steel	Stainless Steel	NPT
24X389	Stainless Steel	Stainless Steel	2-piece PTFE/Santoprene	Santoprene	Stainless Steel	Stainless Steel	BSPT

**Note: All fluid covers are stainless steel. Fluid manifolds will differ between aluminum and stainless steel.*

Technical Specifications

Maximum fluid working pressure . . . . . 250 psi (14 bar, 1.4 MPa)
Air pressure operating range . . . . . 20-125 psi (1.4-6.9 bar, 0.14-0.69 MPa)
Fluid displacement per cycle
- Low Pressure Setting . . . . . 0.17 gal (0.64 l)
- High Pressure Setting . . . . . 0.20 gal (0.76 l)

Air consumption at 70 psi (4.8 bar), 20 gpm (76 lpm)
- Low Pressure Setting . . . . . 26 scfm (0.7 m3/min)
- High Pressure Setting . . . . . 51 scfm (1.4 m3/min)

Maximum values with water as media under submerged inlet conditions at ambient temperature:
- Maximum air consumption
  - Low Pressure Setting . . . . . 59 scfm (1.7 m3/min)
  - High Pressure Setting . . . . . 95 scfm (2.7 m3/min)
- Maximum free-flow delivery
  - Low Pressure Setting . . . . . 50 gpm (189 lpm)
  - High Pressure Setting . . . . . 46 gpm (174 lpm)
- Maximum pump speed
  - Low Pressure Setting . . . . . 280 cpm
  - High Pressure Setting . . . . . 225 cpm

Maximum suction lift*
- Dry . . . . . 16 ft (4.9 m)
- Wet . . . . . 29 ft (8.8 m)

Maximum size pumpable solids . . . . . 1/8 in (3.2 mm)
Recommended cycle rate for continuous use . . . . . 93–140 cpm (in Low or High setting)
Air inlet size . . . . . 3/4 npt(f)
Fluid inlet size . . . . . 1 in npt(f) or bspt
Fluid outlet size . . . . . 1 in npt(f) or bspt
Weight
- Aluminum manifolds . . . . . 48 lb (21.8 kg)
- SST manifolds . . . . . 60 lb (27.2 kg)

Wetted parts . . . . . aluminum or stainless steel plus the material(s) chosen for seat, ball, and diaphragm options
Non-wetted external parts . . . . . aluminum, coated carbon steel, sst

**Varies based on ball/seat selection and wear, operating speed, material properties, and other variables*

Call today for product information or to request a demonstration.

GRACO

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