



Process Equipment

Air-Operated Pumps for Process Industries



P.H.A. sas

14 Z.A. LES PIBOULES
84300 LES TAILLADES
FRANCE
TEL. 04.90.78.19.99
FAX 04.90.78.09.00
E-Mail : contact@pha.fr

PROVEN QUALITY. LEADING TECHNOLOGY.

SUPERIOR PUMPING TECHNOLOGY

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55 Gallon Drum Transfer and Supply

Pump from your 55 gallon drums with our double diaphragm or piston evacuation pumps. They offer flow rates up to 16 gpm, and are available in: aluminum, carbon steel, stainless steel, polypropylene and acetal materials of construction.



Double Diaphragm/
Piston Evacuation

Bulk Tank Supply and Evacuation

Husky™ air-operated double diaphragm pumps are ideal for unloading above or below ground tanks of any size. They are available in a wide range of sizes including: 1/4 in (6.3 mm), 3/8 in (9.4 mm), 1/2 in (12.7 mm), 3/4 in (19.1 mm), 1 in (25.4 mm), 1-1/2 in (38.1 mm), 2 in (50.8 mm) and 3 in (76.2 mm).



Husky™
Air-Operated
Double Diaphragm

Maintenance and Production Cleaning

Designed for rugged dependability, pneumatically-driven pumps offer simplicity in design, operation and maintenance. They provide high pressure for water and cleaning chemicals up to 3,000 psi and flow rates up to 9 gpm.



Pneumatic

Key Fluids

- Paints, stains, coatings, inks and dyes
- Chemicals
- Acids
- Corrosive and abrasive fluids
- Lubricants
- Ceramic glazes
- Sludge, slurry and waste fluid
- Soaps, detergents and solvents

Key Applications

- Transferring fluids from drums
- Sanitizing buildings and equipment
- Removing waste fluid
- Unloading fluids
- Draining tanks and sumps
- Transferring high temperature acids
- Skimming and transferring oil
- Servicing lubrication equipment

AIR-OPERATED DOUBLE DIAPHRAGM PUMPS

Model Overview



Model	Husky 205 Plastic	Husky 307 Plastic	Husky 515 Plastic	Husky 716 Metal	Husky 1050 Plastic
Connection Size	1/4 in (6.3 mm)	3/8 in (9.4 mm)	1/2 in (12.7 mm) or 3/4 in (19.1 mm)	3/4 in (19.1 mm)	1 in (25.4 mm)
Maximum Flow Rate*	5 gpm (19 lpm)	7 gpm (26 lpm)	15 gpm (57 lpm)	16 gpm (61 lpm)	50 gpm (189 lpm)
Materials of Construction Available	Polypropylene, Kynar (PVDF), Acetal	Polypropylene, Acetal	Polypropylene, Kynar (PVDF), Acetal	Aluminum, 316 Stainless Steel	Polypropylene, Conductive Poly, PVDF
Center Section Available	Polypropylene	Coated Aluminum	Polypropylene	Polypropylene	Polypropylene, Conductive Poly
Typical Fluids Handled	Waterborne materials, paint, coatings, inks, car wash chemicals	Paints, lubricants, inks, stains, solvents, coatings and dyes	Cleaning fluids, detergents, chemicals, ceramic glazes, inks	Oil, water and most solvents	Chemicals, contaminated surface water, adhesives, varnishes, dispersions, solvents and stains, resins, latexes, wood preservative stains, concrete paints and primers, inks
Manual Number	308652	308553	308981	308981	312877

*Flow rates are with muffler and do not vary based on diaphragm material

Note: Husky 307 and Husky 3275 are only available with standard air valves. All other pumps are available with standard or remote air valves

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THE HUSKY ADVANTAGE

Reduce Downtime and Save Money!



**Husky 1050
Metal**

**Husky 1590
Plastic**

**Husky 1590
Metal**

**Husky 2150
Plastic**

**Husky 2150
Metal**

**Husky 3275
Metal**

1 in (25.4 mm)

1-1/2 in (38.1 mm)

1-1/2 in (38.1 mm)

1-1/2 in (38.1 mm)

2 in (50.8 mm)

3 in (76.2 mm)

50 gpm (189 lpm)

100 gpm (379 lpm)

100 gpm (379 lpm)

100 gpm (379 lpm)

150 gpm (568 lpm)

275 gpm (1041 lpm)

Aluminum, 316 Stainless Steel, Hastelloy

Polypropylene, PVDF

Aluminum, 316 Stainless Steel

Aluminum, 316 Stainless Steel

Polypropylene, PVDF

Aluminum

Coated Aluminum, Polypropylene, Conductive Poly

Coated Aluminum, 316 Stainless Steel

Coated Aluminum, 316 Stainless Steel

Coated Aluminum, 316 Stainless Steel

Coated Aluminum, 316 Stainless Steel

Coated Aluminum

Chemicals, contaminated surface water, adhesives, varnishes, dispersions, solvents and stains, resins, latexes, wood preservative stains, concrete paints and primers, inks

Chemicals, corrosive fluids, acids, latex, abrasive fluids, slurries and sludge

Acids, gases, ship cleaning, stripping chemicals, alkalis, solvents, paints and varnishes

Chemicals, bulk paint resins and ceramic slip

312877

308549

308441

308550

308368

308639

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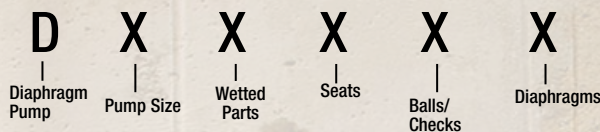
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AIR-OPERATED DOUBLE DIAPHRAGM PUMPS

Ordering Information

Diaphragm Pump Designation

Part numbers are located on ID tag on center section of all Husky diaphragm pumps.



PUMP SIZE (AIR MOTOR TYPE AND MATERIAL)	WETTED PARTS	SEATS	BALLS	DIAPHRAGM
1 = 1/4" (6.35 mm) Standard: polypropylene center section 2 = 1/4" (6.35 mm) Remote: polypropylene center section 3 = 3/8" (9.52 mm) Standard: polypropylene center section 5 = 1/2" (12.7 mm) Standard: polypropylene center section 4 = 1/2" (12.7 mm) Remote: polypropylene center section 5 = 3/4" (19.05 mm) Standard: polypropylene center section 4 = 3/4" (19.05 mm) Remote: polypropylene center section	1 = Acetal (npt) 2 = Poly (npt) 3 = Aluminum (npt) 4 = Stainless Steel (npt) 5 = PVDF (npt) 6 = Ductile Iron (npt)	2 = Acetal 3 = Stainless Steel 4 = Hardened SST 5 = TPE 6 = Santoprene 7 = Buna N 8 = FKM 9 = Polypropylene	1 = PTFE 2 = Acetal 3 = Stainless Steel 4 = Hardened SST 5 = TPE 6 = Santoprene 7 = Buna N 8 = FKM 9 = Polypropylene	1 = PTFE 5 = TPE 6 = Santoprene 7 = Buna N 8 = FKM G = Geolast P = Bolt-through PTFE
1" (25.4 mm) Refer to Husky 1050 Selector Tool	A = Acetal * (bsp) B = Poly * (bsp) C = Aluminum (bsp) D = Stainless Steel (bsp) E = PVDF (bsp) F = Ductile Iron (bsp)	A = PVDF G = Geolast B = SST with FKM seal C = Santoprene with FKM seal	A = PVDF G = Geolast	
B = 1-1/2" (38.1 mm) Standard: aluminum center section C = 1-1/2" (38.1 mm) Remote: aluminum center section T = 1-1/2" (38.1 mm) Standard: stainless steel center section F = 2" (50.8 mm) Standard: aluminum center section G = 2" (50.8 mm) Remote: aluminum center section V = 2" (50.8 mm) Standard: stainless steel center section K = 3" (76.2 mm) Standard: aluminum center section	H = 2 npt Alum Extended G = 2 bsp Alum Extended			

* Plastic pumps 1 inch and larger have flange connections
NOTE: 3 inch Aluminum pumps have 3 inch npt or flange connections

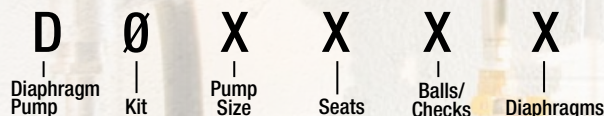
NEW! Husky 1050 Selector Tool

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



Diaphragm Pump Kit Designation

When selecting a kit, use the same code numbers as for the pumps regarding pump size, seat, ball/checks and diaphragm.



Pump Size	Seats	Balls/Checks	Diaphragm
1 = 1/4 in (6.35 mm) 3 = 3/8 in (9.52 mm) 5 = 1/2 in (12.7 mm) and 3/4 in (19.05 mm)	0 = No seat 2 = Acetal 3 = Stainless Steel 4 = Hardened SST 5 = TPE 6 = Santoprene 7 = Buna N 8 = FKM 9 = Poly A = PVDF B = SST with FKM seal C = Santoprene with FKM seal G = Geolast	1 = PTFE 2 = Acetal 3 = Stainless Steel 4 = Hardened SST 5 = TPE 6 = Santoprene 7 = Buna-N 8 = FKM 9 = Poly A = PVDF G = Geolast 0 = No Balls/Checks	1 = PTFE 5 = TPE 6 = Santoprene 7 = Buna-N 8 = FKM G = Geolast P = Bolt-through PTFE 0 = No Diaphragm
1" (25.4 mm) Refer to Husky 1050 Selector Tool			
B = 1-1/2 in (38.1 mm) metal pump C = 1-1/2 in (38.1 mm) plastic pump F = 2 in (50.8 mm) metal pump G = 2 in (50.8 mm) plastic pump K = 3 in (76.2 mm)			