

Air-Operated Double Diaphragm Pumps

Husky™ Pumping Technology

Our Husky air-operated double diaphragm pumps are loaded with features to help you get the job done right, every time, and are built to save you money.

Rugged construction

Resists corrosion for reliable performance and long life

Heavy-duty design - Offers long life, increased productivity and lower overall cost of ownership

Flow rates up to 300 gpm (1135 lpm)

Lube-free for cleaner operation

DataTrak™ available to prevent pump runaway and track material usage



Husky 3300

3 in (76.2 mm) connection
Max flow: 300 gpm (1135 lpm)
Polypropylene, aluminum,
stainless steel



Husky 2200

2 in (50.8 mm) connection
Max flow: 200 gpm (757 lpm)
Polypropylene, PVDF



Husky 2150

2 in (50.8 mm) connection
Max flow: 150 gpm (568 lpm)
Polypropylene, PVDF, aluminum,
stainless steel, iron



Husky 15120

1-1/2 in (38.1 mm) connection
Max flow: 120 gpm (454 lpm)
Polypropylene, PVDF



Husky 1590

1-1/2 in (38.1 mm) connection
Max flow: 90 gpm (340 lpm)
Polypropylene, PVDF, aluminum,
stainless steel



Husky 1050

1 in (25.4 mm) connection
Max flow: 50 gpm (189 lpm)
Aluminum, polypropylene, PVDF,
conductive polypropylene,
hastelloy, stainless steel

The Husky Advantage

Loaded with Options

Choose from a wide selection of materials to handle numerous applications, including corrosive and abrasive fluid transfer.

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

Balls



Seats



Diaphragms



Husky 1050HP
1 in (25.4 mm) connection
Max flow: 50 gpm (189 lpm)
Aluminum and stainless steel



Husky 716
3/4 in (19.1 mm) connection
Max flow: 16 gpm (61 lpm)
Aluminum, stainless steel



Husky 515
1/2 in (12.7 mm) connection
Max flow: 15 gpm (57 lpm)
Polypropylene, acetal, PVDF



Husky 307
3/8 in (9.4 mm) connection
Max flow: 7 gpm (26 lpm)
Polypropylene, acetal



Husky 205
1/4 in (6.3 mm) connection
Max flow: 5 gpm (19 lpm)
Polypropylene, acetal, PVDF

MATERIALS OF CONSTRUCTION GUIDE



MATERIAL	*TEMPERATURE RANGE	PRICE	AVAILABILITY			CONDITIONS				GRAVITY	COLOR	NOTES
			SEAT	BALL	DIAPHRAGM	CHEMICALS	CHEMICALS	TEMPERATURE	ABRASIVES			
POLYPROPYLENE	32° to 150°F (0° to 66°C)	\$	X	X		X				NA	White	Wide chemical compatibility. General purpose.
GEOLAST	-40°F to 150°F (-40° to 66°C)	\$	X	X	X	X			X	0.97	Black	Good abrasion resistance. Approximately same chemical compatibility as Buna.
EPDM	-60°F to 275°F (-51° to 135°C)	\$			X	X		X		NA	Black	High heat resistance. Good resistance to gas permeability and to steam. OK with caustic solutions, dilute acids, ketones and alcohols. Recommended for use with CIP Sanitizing Agent OXONIA.
TPE (HYTREL)	-20°F to 150°F (-29° to 66°C)	\$	X	X	X	X			X	1.19	Cream	Good low temperature properties. Good abrasion resistance.
ACETAL (DELTRIN)	10°F to 180°F (-12° to 82°C)	\$	X	X		X			X	1.32	Orange or White	Wide range of solvent resistant and withstands extreme fatigue. Good level of abrasion resistance. Not for use with acids or bases.
ALUMINUM	-100° to 400°F (-73° to 204°C)	\$	X			X		X	X	NA	Silver	Medium corrosion and abrasion resistance. Not for use with halogenated hydrocarbons.
SANTOPRENE	-40°F to 180°F (-40° to 82°C)	\$\$	X	X	X	X			X	0.84	Blue	Good abrasion and chemical resistance. OK for use with some solvents, (e.g. MEK, acetone) caustic solutions, dilute acids, and alcohols. Often substituted for EPDM or EPR.
UHMWPE	-40° to 158°F (-40° to 70°C)	\$\$	X			X	X		X <i>recommended</i>	NA	White	Best option for abrasion resistance — high level of chemical resistance.
STANDARD POLYCHLOROPRENE (NEOPRENE)	0°F to 180°F (-18° to 82°C)	\$\$		X	X	X			X	1.42	Black	High resilience. Good with whiskey, wine, beer and natural gas. Good with animal and vegetable oil, moderate chemicals, fats and greases. Not for use with strong oxidizing acids, esters, ketones, chlorinated aromatic and nitro hydrocarbons.
OVERMOLDED POLYCHLOROPRENE	0°F to 180°F (-18° to 82°C)	\$\$\$			X	X			X	NA	Black	Longer life than standard polychloroprene. Great in abrasive applications. High resilience.
BUNA N (NITRILE/NBR)	10°F to 180°F (-12° to 82°C)	\$\$	X	X	X	X				1.43	Black w/ yellow dot	Good for petroleum-based fluids, water, oils, hydrocarbons and MILD chemicals (e.g. mineral spirits). Not for use with strong solvents or chemicals (e. g. acetone, MEK, ozone, chlorinated hydrocarbons, and nitro hydrocarbons).
PVDF (KYNAR)	10°F to 225°F (-12° to 107°C)	\$\$\$	X			X	X	X		NAW	Milky White	Strong chemical resistance: Acids and bases. Good abrasion resistance. High temperature resistance.
VITON (FKM)	-40°F to 320°F (-40° to 160°C)	\$\$\$	X	X	X	X	X	X <i>recommended</i>		1.80	Black or White	High heat resistance. Good resistance to aggressive chemicals including acids and some solvents (e. g. Xylene and mineral spirits). Good resistance to steam as well as animal, vegetable and petroleum oils. Resists unleaded fuels. Not for use with ketones, low molecular weight ester and nitro containing compounds.
PTFE	40°F to 212°F (4° to 100°C)	\$\$\$	X	X	X	X	X <i>recommended</i>	X		2.16	White	Widest chemical compatibility, extreme corrosion resistance, very low frictional coefficient, non-adhesive, high heat resistance. Poor abrasion resistance.
OVERMOLDED PTFE	14°F to 180°F (-10° to 82°C)	\$\$\$			X	X	X	X	X	NA	Blue	Overmolded design improves wear and diaphragm life with no exposed diaphragm plate on the fluid side. Longer diaphragm life in more abrasive applications that still require PTFE. Available for sanitary and industrial diaphragm pumps.
STAINLESS STEEL	-40° to 920°F (-40° to 493°C)	\$\$\$	X	X		X	X	X	X	7.95	Silver	High level of corrosion and abrasion resistance. Passivated 316 grade.
WEIGHTED POLYCHLOROPRENE (NEOPRENE)	0°F to 180°F (-18° to 82°C)	\$\$\$		X		X			X	9.42	Black	High resilience. Good with whiskey, wine, beer and natural gas. Good with animal and vegetable oil, moderate chemicals, fats and greases. Not for use with strong oxidizing acids, esters, ketones, chlorinated aromatic and nitro hydrocarbons.

*Temperature limits are based on mechanical stress only. Certain chemicals will further limit the fluid temperature range. Stay within the temperature range of the most-restricted wetted component. Operating at a fluid temperature that is too high or too low for the components of your pump may cause equipment damage.

**Consult Graco's [Chemical Compatibility Guide](#). This guide is intended to be used as a general guideline for pump material selection. If you are unsure of the compatibility of your chemical, we recommend testing a sample of the material in question with the chemical.

***The specific gravity of a liquid or solid is defined as the ratio of the weight of a given volume of the material to the weight of an equal volume of water: s.g. = (weight of a given volume of a material) / (weight of an equal volume of water)

QUESTIONS? CONTACT US.

Call: 866-348-3188

E-Mail: industrialcs@graco.com



TEN QUESTIONS TO ASK: PUMP SELECTION

POPULAR HUSKY PUMP CONFIGURATIONS

WHY BUY GRACO AODD PUMPS

1. What material is being pumped?
 - a) What is the material make up in terms of solid content?
 - b) What is the material's pH level?
 - c) What is the material's viscosity (cps)?
 - d) Is the material abrasive?
 - e) Specific gravity?
2. What is the desired flow rate?
3. Where is the feed tank relative to the pump?
 - a) Overall suction length?
 - b) Vertical rise?
4. What is the discharge distance?
5. What is the inlet and outlet hose diameter?
6. What is the material temperature?
7. What is the desired price range?
8. What is the shop air pressure?
9. What certifications are required?
10. Other installation requirements?

Application	Description	Part No	Fluid Section	Seats	Balls	Diaphragms
General Fluid	Husky 205 1/4"	D12096	Polypropylene	Polypropylene	Polypropylene	Santoprene
Diluted Chemicals	Husky 205 1/4"	D12091	Polypropylene	Polypropylene	Polypropylene	PTFE
Diluted Chemicals	Husky 205 1/4"	D150A1	Polypropylene	PVDF	PVDF	PTFE
Diluted Chemicals	Husky 205 1/4"	D11021	Acetal	Acetal	Acetal	PTFE
Diluted Chemicals	Husky 307 3/8"	D32911	Polypropylene	Polypropylene	PTFE	PTFE
General Fluid	Husky 307 3/8"	D53966	PVDF	Polypropylene	Santoprene	Santoprene
Diluted Chemicals	Husky 515 1/2"	D52911	Polypropylene	Polypropylene	PTFE	PTFE
General Fluid	Husky 515 1/2"	D52966	PVDF	Polypropylene	Santoprene	Santoprene
Concentrated Chemicals	Husky 515 1/2"	D55A11	PVDF	PVDF	PTFE	PTFE
Petroleum Based Products	Husky 716 3/4"	D53277	Aluminium	Acetal	Buna	Buna
Water	Husky 1050 1"	649580	Polypropylene	Geolast	Geolast	Geolast
Petroleum Based Products	Husky 1050 1"	647666	Aluminium	TPE	Acetal	TPE
Abrasives	Husky 1050 1"	647040	Aluminium	Geolast	Geolast	Geolast
Concentrated Chemicals	Husky 1050 1"	649006	Polypropylene	Polypropylene	PTFE	PTFE
Concentrated Chemicals	Husky 1050 1"	649034	Polypropylene	Polypropylene	PTFE	PTFE
Diluted Chemicals	Husky 1050 1"	649001	Polypropylene	Polypropylene	Santoprene	Santoprene
Diluted Chemicals	Husky 1050 1"	649029	Polypropylene	Polypropylene	Santoprene	Santoprene
Petroleum Based Products	Husky 1590 1.5"	DB3525	Aluminium	TPE	Acetal	TPE
Abrasives	Husky 1590 1.5"	DB3GGG	Aluminium	Geolast	Geolast	Geolast
Concentrated Chemicals	Husky 1590 1.5"	DB2911	Polypropylene	Polypropylene	PTFE	PTFE
Diluted Chemicals	Husky 1590 1.5"	DB2666	Polypropylene	Santoprene	Santoprene	Santoprene
Diluted & Concentrated Chemicals	Husky 15120 1.5"	654504	Polypropylene	Polypropylene	PTFE	2-Piece PTFE
Diluted & Concentrated Chemicals	Husky 15120 1.5"	654505	Polypropylene	Polypropylene	PTFE	PTFE Overmolded
Diluted & Concentrated Chemicals	Husky 15120 1.5"	654511	Polypropylene	Polypropylene	PTFE	2-Piece PTFE
Diluted & Concentrated Chemicals	Husky 15120 1.5"	654512	Polypropylene	Polypropylene	PTFE	PTFE Overmolded
Diluted Chemicals	Husky 15120 1.5"	654526	Polypropylene	Santoprene	Santoprene	Santoprene
Diluted Chemicals	Husky 15120 1.5"	654528	Polypropylene	Santoprene	Santoprene	Santoprene
Water	Husky 2150 2"	DF29GG	Polypropylene	Polypropylene	Geolast	Geolast
Petroleum Based Products	Husky 2150 2"	DF3525	Aluminium	TPE	Acetal	TPE
Abrasives	Husky 2150 2"	DF3GGG	Aluminium	Geolast	Geolast	Geolast
Concentrated Chemicals	Husky 2150 2"	DF2911	Polypropylene	Polypropylene	PTFE	PTFE
Diluted Chemicals	Husky 2150 2"	DF2666	Polypropylene	Santoprene	Santoprene	Santoprene
Diluted Chemicals	Husky 2200 2"	653504	Polypropylene	Polypropylene	PTFE	2-Piece PTFE
Concentrated Chemicals	Husky 2200 2"	653505	Polypropylene	Polypropylene	PTFE	PTFE Overmolded
Diluted Chemicals	Husky 2200 2"	653511	Polypropylene	Polypropylene	PTFE	2-Piece PTFE
Concentrated Chemicals	Husky 2200 2"	653512	Polypropylene	Polypropylene	PTFE	PTFE Overmolded
Diluted Chemicals	Husky 2200 2"	653526	Polypropylene	Santoprene	Santoprene	Santoprene
Diluted Chemicals	Husky 2200 2"	653528	Polypropylene	Santoprene	Santoprene	Santoprene
Petroleum Based Products	Husky 3300 3"	652002	Aluminium	TPE	Acetal	TPE
Abrasives	Husky 3300 3"	652046	Aluminium	Geolast	Geolast	Geolast
Diluted Chemicals	Husky 3300 3"	652423	Polypropylene	Santoprene	Santoprene	Santoprene
Concentrated Chemicals	Husky 3300 3"	652404	Polypropylene	Polypropylene	PTFE	PTFE
Concentrated Chemicals	Husky 3300 3"	652804	SST	SST	PTFE	PTFE

- > Reduce labor and repair costs by 75% with easily serviceable air valves
- > 100% pump testing prior to shipping
- > The pumps work - 0.2% warranty rate in 2019
- > Complete AODD pump offering 1/4" to 3" sizes
- > Wide variety of materials to cover virtually any applications
- > Aggressive chemical handling utilizing PTFE pumps
- > Reduce downtime with externally serviceable air valves
- > Unique plastic pump design allows for lighter, more compact profile
- > 3x longer diaphragm life utilizing over molded PTFE diaphragms on 1/2" to 3" pumps versus standard diaphragms
- > DataTrak monitoring on pumps utilizing modular air valve design
- > Low startup pressures reduce energy costs
- > 4x safety factor means your pump is built to last

