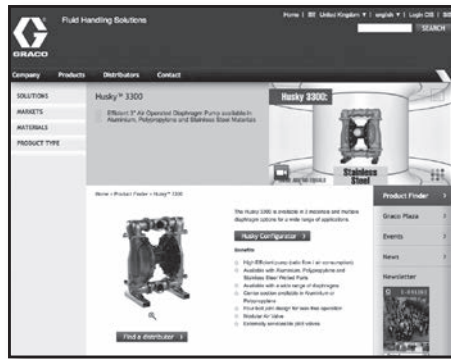


Husky 3300 Plastic Pumps Air-Operated Double Diaphragm

NEW! Husky 3300 Selector Tool

To order a Husky 3300, use the online selector tool at www.graco.com or contact your distributor.



NOTE: Options for seats, check balls, diaphragms, and seals vary.

Husky™
Air-Operated Double Diaphragm Pumps

Certification Required: No Certification Required

Pump Inlet/Outlet Size: Three Inch (80mm)

Fluid Covers and Manifolds: P1 Polypropylene

Center Section and Air Valve: P01A Polypropylene Standard Air Valve

Porting: P1 Polypropylene Center Flange ANS/DIN PN6

Seats: PP Polypropylene

Balls: CR Polychloroprene Standard

Diaphragms: CR Polychloroprene Standard

Manifold O-Rings: PT PTFE Standard

Order number reverse look-up
Enter a 6 digit Graco number, product configuration or old "D" number

Graco Part Number: 652408
Configuration Number: 3300P-P01AP1PPCRCPRT

Replacement Kits

24K957 - KIT,RPLCAIRVALVE,STD,POLY,LG
24K933 - KIT, RPLC, SEAT, PP, 3300
24K941 - KIT, RPLC, BALL, CR, 3300
24K904 - KIT, RPLC, CR DIA, 3300
24K927 - KIT,RPLC,PT O-RING,SEAT,3300

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Example of Product Selector Tool on www.graco.com/process

Pump Configurations

Pump (3 inch ports, 1.059 l/min)	Center Section and Air Valve Material	Air Valve/Monitoring	Fluid Covers and Manifolds
3300P † Polypropylene	Aluminum	A01A	P1 Polypropylene, center flange
		A01G	
	Polypropylene †	P01A	
		P01G	

†: See **ATEX Certifications** below.

Check Valve Seats		Check Valve Balls		Diaphragm		Manifold and Seat Seals		
AC	Acetal	AC	Acetal	BN	Buna-N	---	Models with Buna-N, FKM Fluoroelastomer or TPE seats do not use o-rings.	
AL	Aluminum	BN	Buna-N	CO	Polychloroprene Overmolded			
BN	Buna-N	CR	Polychloroprene Standard	CR	Polychloroprene			
FK	FKM Fluoroelastomer	CW	Polychloroprene Weighted	FK	FKM Fluoroelastomer	BN		Buna
GE	Geolast®	FK	FKM Fluoroelastomer	GE	Geolast	PT		PTFE
PP	Polypropylene	GE	Geolast	PO	PTFE/EPDM Overmolded			
SP	Santoprene®	PT	PTFE	PT	PTFE/Santoprene Two-Piece			
SS	316 Stainless Steel	SP	Santoprene	SP	Santoprene			
TP	TPE	TP	TPE	TP	TPE			

ATEX Certifications

† Pumps with polypropylene fluid or center sections are not ATEX certified.

Husky 3300 Plastic Pumps

Popular Models

Material	Part Number	Materials for Seats	Materials for Balls	Materials for Diaphragms	Air Valve Replacement Kit	Seat Kit	Ball Kit	Diaphragm Kit	O-Ring Kit
Polypropylene	652404	Polypropylene	PTFE	2 pc PTFE	24K857	24K933	24K943	24K905	24K927
Polypropylene	652400	Polypropylene	Santoprene	Santoprene	24K857	24K933	24K944	24K902	24K927
Polypropylene	652423	Santoprene	Santoprene	Santoprene	24K857	24K934	24K944	24K902	24K927
Polypropylene	652414	Stainless Steel	PTFE	2 pc PTFE	24K857	24K935	24K943	24K905	24K927
Polypropylene	652402	Polypropylene	FKM	FKM	24K857	24K933	24K945	24K903	24K927



Technical Specifications

Husky 3300 Plastic Pumps	Polypropylene
Maximum fluid working pressure	7.0 bar (0.7 MPa, 100 psi)
Maximum free flow delivery*	
Standard diaphragms at 7.0 bar (0.7 MPa, 100 psi)	1,059 l/min (280 gpm)
Overmolded diaphragms at 7.0 bar (0.7 MPa, 100 psi)	984 l/min (260 gpm)
Maximum pump speed*	
Standard diaphragms at 7.0 bar (0.7 MPa, 100 psi)	97 cpm
Overmolded diaphragms at 7.0 bar (0.7 MPa, 100 psi)	130 cpm
Maximum suction lift *	2.4 m (8 ft) dry
(varies widely based on ball/seat selection and wear, operating speed, material properties, and other variables)	8.5 m (28 ft) wet
Maximum size pumpable solids	13 mm (0.5 in)
Noise (dBa)***	
Sound Power at 3.4 bar (50 psi) and 50 cpm	99.1 dBa
Sound Power at 8.3 bar (120 psi) and full flow	106.1 dBa
Sound Pressure at 3.4 bar (50 psi) and 50 cpm	91.5 dBa
Sound Pressure at 8.3 bar (120 psi) and full flow	98.2 dBa
Maximum air consumption	7.8 m ³ /min. (275 scfm)
Air pressure operating range	1.4 to 7.0 bar (0.14 to 0.7 MPa, 20 to 100 psi)
Air inlet size	3/4 npt(f)
Fluid inlet/outlet	76.2 mm (3 in) ANSI/DIN flange
Weight	91 kg (200 lb)
Instruction manual	3A0410
Repair/parts manual	3A0411

* Maximum values with water as media at ambient temperature. Water level is approximately 0.9m (3 feet) above pump inlet.

** Startup pressures and displacement per cycle may vary based on suction condition, discharge head, air pressure, and fluid type.

*** Sound power measured per ISO-9614-2. Sound pressure was tested 1 m (3.28 ft) from equipment.

*** Actual pump performance may be affected by prolonged usage at temperature

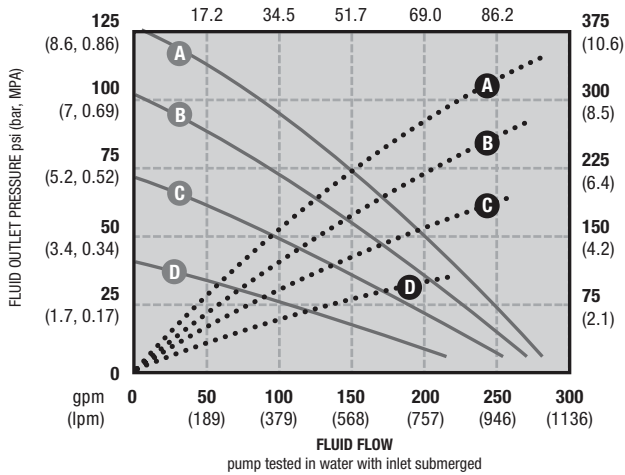
Husky 3300 Plastic Pumps

Air-Operated Double Diaphragm

Performance Charts

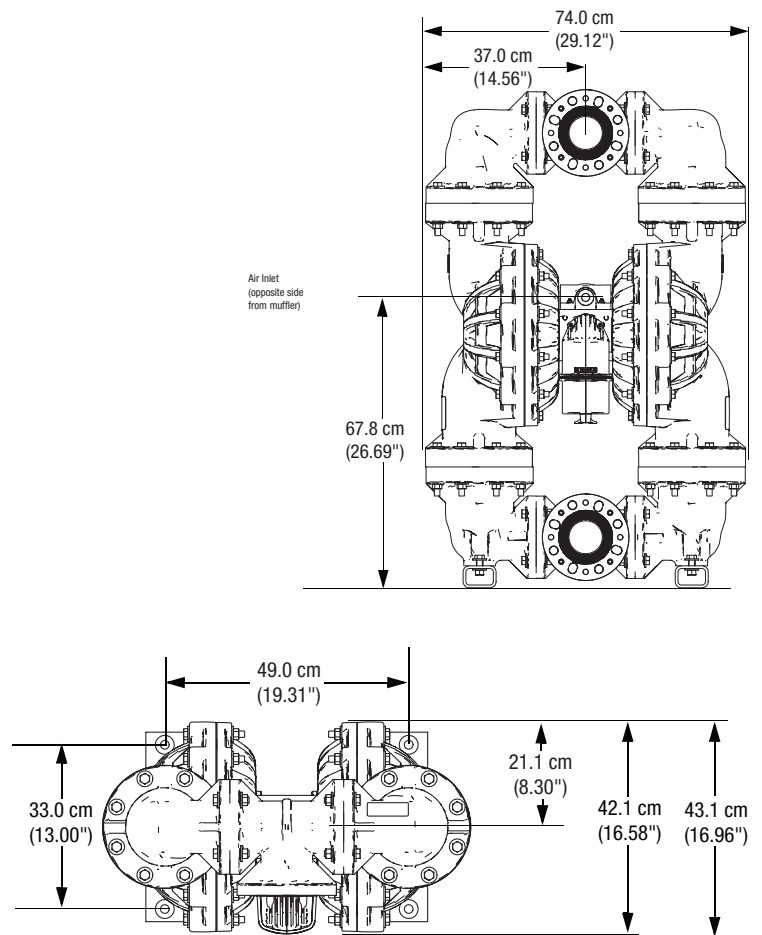
Husky 3300 Performance

Approx. Cycles per Minute

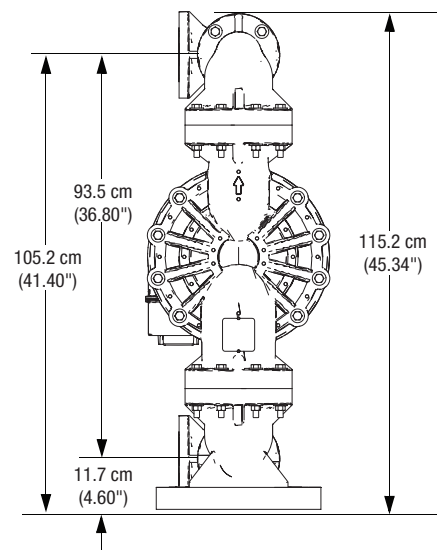
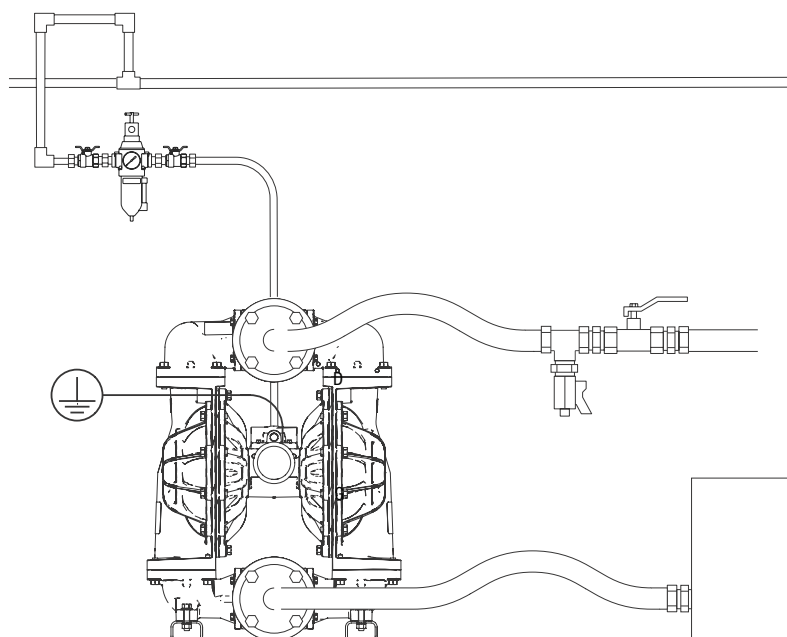


AIR PRESSURE	LEGEND
Ⓐ = at 8.3 bar (0.83 MPa - 125 psi)	Air Consumption •••••
Ⓑ = at 7 bar (0.7 MPa - 100 psi)	Fluid Flow ———
Ⓒ = at 4.8 bar (0.48 MPa - 70 psi)	
Ⓓ = at 2.8 bar (0.28 MPa - 40 psi)	

Dimensions



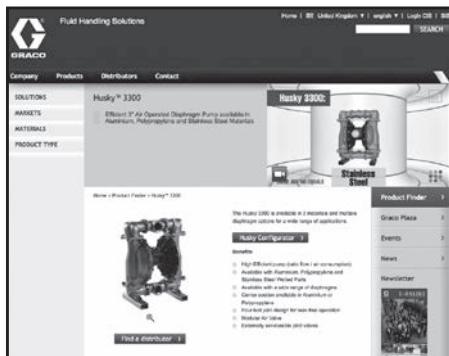
Typical System Drawings



Husky 3300 Metal Pumps Air-Operated Double Diaphragm

NEW! Husky 3300 Selector Tool

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NOTE: Options for seats, check balls, diaphragms, and seals vary.

Example of Product Selector Tool on www.graco.com/process

Pump Configurations

Pump (3 inch ports, 1.135 l/min)	Center Section and Air Valve Material	Air Valve/Monitoring	Fluid Covers and Manifolds
3300A ★ Aluminium 3300S ★ Stainless Steel	Aluminium	A01A	Standard Diaphragms
		A01E	Optional FKM seals with Standard Diaphragms
		A01G	Overmolded Diaphragms
	Polypropylene †	P01A	Standard Diaphragms
		P01G	Overmolded Diaphragms
		A1	Aluminium, center flange, npt
A2	Aluminium, center flange, bspt		
S1	Stainless steel, center flange, npt		
S2	Stainless steel, center flange, bspt		

★: See **ATEX Certifications** below.

Check Valve Seats	Check Valve Balls	Diaphragm	Manifold and Seat Seals
AC Acetal	AC Acetal	BN Buna-N	--- Models with Buna-N, FKM Fluoroelastomer or TPE seats do not use o-rings.
AL Aluminium	BN Buna-N	CO Polychloroprene Overmolded	
BN Buna-N	CR Polychloroprene Standard	CR Polychloroprene	BN Buna
FK FKM Fluoroelastomer	CW Polychloroprene Weighted	FK FKM Fluoroelastomer	
GE Geolast®	FK FKM Fluoroelastomer	GE Geolast	PT PTFE
PP Polypropylene	GE Geolast	PO PTFE/EPDM Overmolded	
SP Santoprene®	PT PTFE	PT PTFE/Santoprene Two-Piece	
SS 316 Stainless Steel	SP Santoprene	SP Santoprene	
TP TPE	TP TPE	TP TPE	

ATEX Certifications

★ 3300A (aluminium) and 3300S (stainless steel) pumps with aluminium center sections are certified:



Husky 3300 Metal Pumps

Popular Models

Material	Part Number	Materials for Seats	Materials for Balls	Materials for Diaphragms	Air Valve Replacement Kit	Seat Kit	Ball Kit	Diaphragm Kit	O-Ring Kit
Aluminium	652002	TPE	Acetal	TPE	24K855	24K932	24K937	24K901	24K909
Aluminium	652046	Geolast	Geolast	Geolast	24K855	24K931	24K939	24K900	24K909
Aluminium	652021	Stainless Steel	PTFE	2 pc PTFE	24K855	24K935	24K943	24K905	24K927
Aluminium	652081	Acetal	PTFE	2 pc PTFE	24K855	24K928	24K943	24K905	24K927
Aluminium	652036	Santoprene	Santoprene	Santoprene	24K855	24K934	24K944	24K902	24K909
Stainless Steel	652804	Stainless Steel	PTFE	2 pc PTFE	24K857	24K935	24K943	24K905	24K927
Stainless Steel	652812	Santoprene	Santoprene	Santoprene	24K857	24K934	24K944	24K902	24K927



Technical Specifications

Husky 2150 Metal Pumps	Aluminum	Stainless Steel
Maximum fluid working pressure with Aluminium Center Section with Polypropylene Center Section	8.6 bar (0.86 MPa, 125 psi)	8.6 bar (0.86 MPa, 125 psi) 7.0 bar (0.7 MPa, 100 psi)
Maximum free flow delivery*		
Standard diaphragms at 8.6 bar (0.86 MPa, 125 psi)	1,135 l/min (300 gpm)	1,135 l/min (300 gpm)
Standard diaphragms at 7.0 bar (0.7 MPa, 100 psi)	1,059 l/min (280 gpm)	1,059 l/min (280 gpm)
Overmolded diaphragms at 8.6 bar (0.86 MPa, 125 psi)	1,022 l/min (270 gpm)	1,022 l/min (270 gpm)
Overmolded diaphragms at 7.0 bar (0.7 MPa, 100 psi)	984 l/min (260 gpm)	984 l/min (260 gpm)
Maximum pump speed*		
Standard diaphragms at 8.6 bar (0.86 MPa, 125 psi)	103 cpm	103 cpm
Standard diaphragms at 7.0 bar (0.7 MPa, 100 psi)	97 cpm	97 cpm
Overmolded diaphragms at 8.6 bar (0.86 MPa, 125 psi)	135 cpm	135 cpm
Overmolded diaphragms at 7.0 bar (0.7 MPa, 100 psi)	130 cpm	130 cpm
Maximum suction lift * (varies widely based on ball/seat selection and wear, operating speed, material properties, and other variables)	2.4 m (8 ft) dry 8.5 m (28 ft) wet	2.4 m (8 ft) dry 8.5 m (28 ft) wet
Maximum size pumpable solids	13 mm (0.5 in)	13 mm (0.5 in)
Noise (dBA)**		
Sound Power at 3.4 bar (50 psi) and 50 cpm	99.1 dBA	99.1 dBA
Sound Power at 8.3 bar (120 psi) and full flow	106.1 dBA	106.1 dBA
Sound Pressure at 3.4 bar (50 psi) and 50 cpm	91.5 dBA	91.5 dBA
Sound Pressure at 8.3 bar (120 psi) and full flow	98.2 dBA	98.2 dBA
Maximum air consumption with Aluminium Center Section with Polypropylene Center Section	9.5 m ³ /min. (335 scfm)	9.5 m ³ /min. (335 scfm) 7.8 m ³ /min. (275 scfm)
Air pressure operating range with Aluminium Center Section with Polypropylene Center Section	1.4 to 8.6 bar (0.14 to 0.86 MPa - 20 to 125 psi)	1.4 to 8.6 bar (0.14 to 0.86 MPa - 20 to 125 psi) 1.4 to 7.0 bar (0.14 to 0.7 MPa - 20 to 100 psi)
Air inlet size	3/4 npt(f)	3/4 npt(f)
Fluid inlet	76.2 mm (3 in) npt or bspt with ANSI/DIN flange	76.2 mm (3 in) npt or bspt
Weight	68 kg (150 lb)	116 kg (255 lb)
Instruction manual	3A0410	3A0410
Repair/parts manual	3A0411	3A0411

* Maximum values with water as media at ambient temperature. Water level is approximately 0.9m (3 feet) above pump inlet.

** Startup pressures and displacement per cycle may vary based on suction condition, discharge head, air pressure, and fluid type.

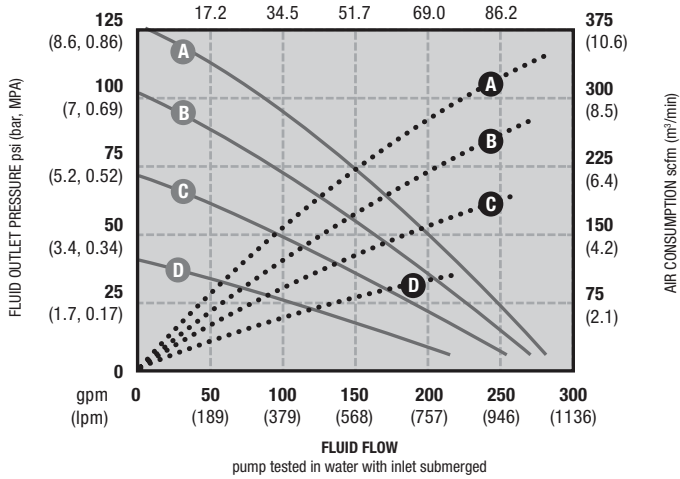
*** Sound power measured per ISO-9614-2. Sound pressure was tested 1 m (3.28 ft) from equipment.

Husky 3300 Metal Pumps

Performance Charts

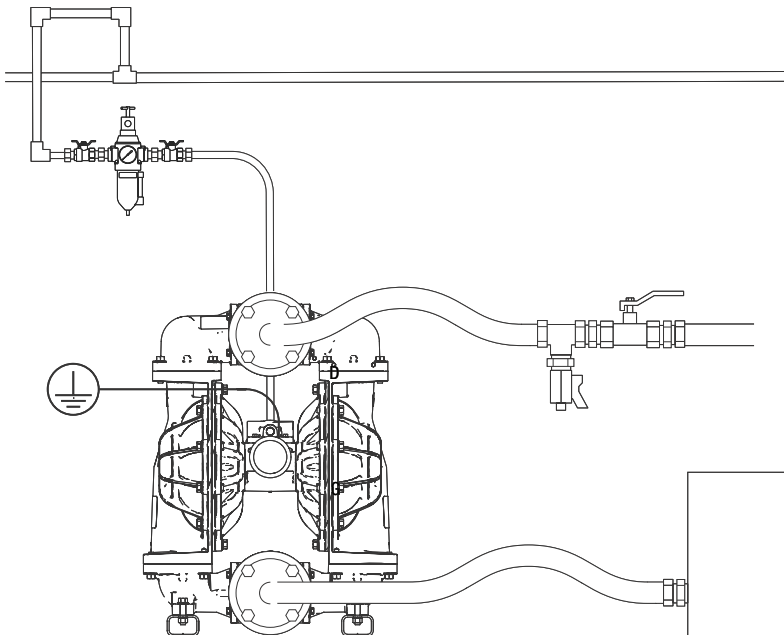
Husky 3300 Performance

Approx. Cycles per Minute



AIR PRESSURE	LEGEND
Ⓐ = at 8.3 bar (0.83 MPa - 125 psi)	Air Consumption •••••
Ⓑ = at 7 bar (0.7 MPa - 100 psi)	Fluid Flow ————
Ⓒ = at 4.8 bar (0.48 MPa - 70 psi)	
Ⓓ = at 2.8 bar (0.28 MPa - 40 psi)	

Typical System Drawings



Husky 3300 Metal Pumps

Dimensions

Aluminium

Stainless Steel

