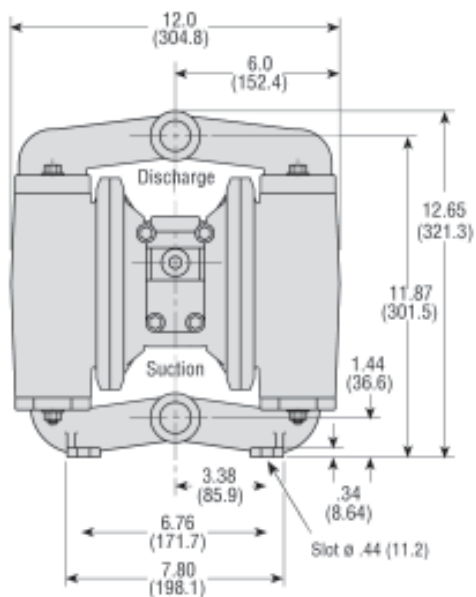
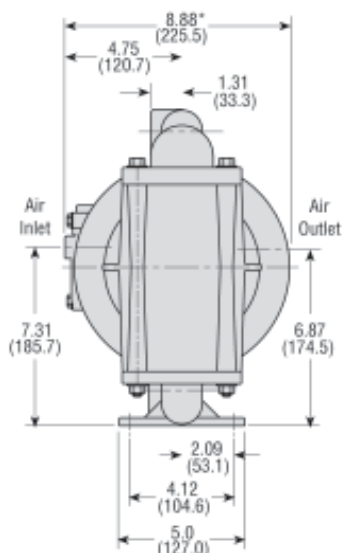


1" Bolted Version (metallic)

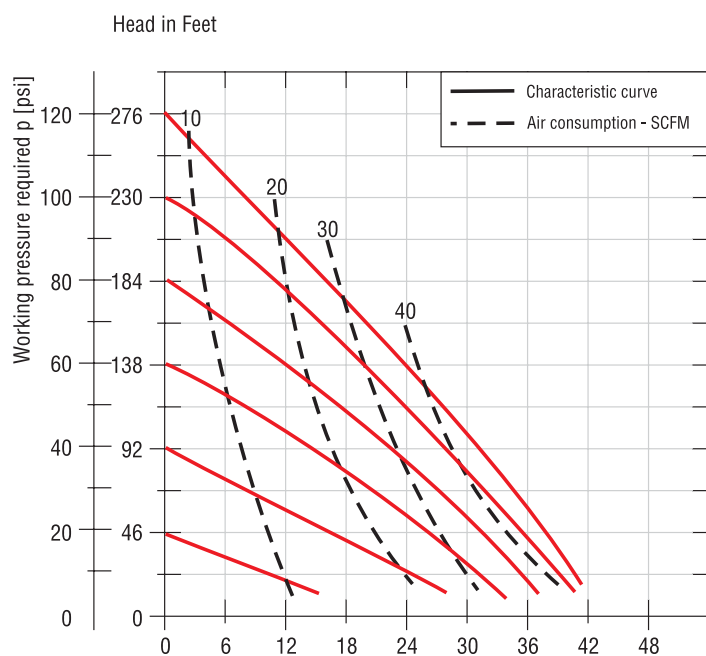


Front View



*Approximate Dimension with Muffler 10.25 (260.4)

Side View



Measured values ($\pm 10\%$) determined with water at 68 °F and suction lift 0. U.S. Gallons per minute

Dimensions in mm.

Air Operated Diaphragm Pumps ■ AIRTRAN

Operating data / Dimensions / Weights		
	1" Aluminum	1" Stainless Steel
Housing material	Aluminum	Stainless Steel 1.4404 (316)
Diaphragm materials	Geolast [®] , Santoprene [®] , Teflon [®] , Viton [®]	Geolast [®] , Teflon [®] , Santoprene [®] , Viton [®]
Valve ball materials	Geolast [®] , Santoprene [®] , Teflon [®] , Viton [®]	Geolast [®] , Teflon [®] , Santoprene [®] , Viton [®]
Seals	Geolast [®] , Teflon [®] , Santoprene [®] , Viton [®]	Geolast [®] , Teflon [®] , Santoprene [®] , Viton [®]
Valve seat	PP, Nylon	Stainless Steel
Flow rate	41 gpm	41 gpm
Volume per stroke*	0.22	0.22
Suction lift dry	14.7 ft	14.7 ft
Suction lift Teflon [®]	9.8 ft	9.8 ft
Maximum air pressure	max. 120 PSI	max. 120 PSI
Temperature limits	200 °F	200 °F
Solids handling	max $\varnothing$ 0.25 inches	max $\varnothing$ 0.25 inches
Air inlet	1/4" NPT female G 1/2" female	1/4" NPT female G 1/2" female
Air outlet	3/8" NPT female	3/8" NPT female
Suction	1" NPT	1" NPT
Discharge	1" NPT	1" NPT
Weight	23 lbs	45 lbs

*Based on flooded suction conditions with water and 100 psi air pressure.

Type	Materials of construction		Part No.
	Housing	Diaphragm, Valve Balls, Seals	
1" ALB Alu/Geolast [®] *	Aluminum	Geolast [®]	LJAG-B 1
1" ALE Alu/Santoprene [®] *	Aluminum	Santoprene [®]	LJAE-B 1
1" ALT Alu/Teflon [®] *	Aluminum	Teflon [®]	LJAT-B 1
1" ALV Alu/Viton [®] *	Aluminum	Viton [®]	LJAV-B 1
1" SSB SS/Geolast [®] *	Stainless Steel	Geolast [®]	LJSG-B 1
1" SSE SS/Santoprene [®] *	Stainless Steel	Santoprene [®]	LJSE-B 1
1" SST SS/Teflon [®] *	Stainless Steel	Teflon [®]	LJST-B 1
1" SSV SS/Viton [®] *	Stainless Steel	Viton [®]	LJSV-B 1

*Ex II 2G CT4

Material description

Geolast = NBR/PP compound
 Kynar = PVDF = Polyvinylidenefluoride
 Nylon = PA = Polyamide-compound
 Polypropylene = PP
 Santoprene = EPDM/PP-compound
 Teflon = PTFE = Polytetrafluorethylene

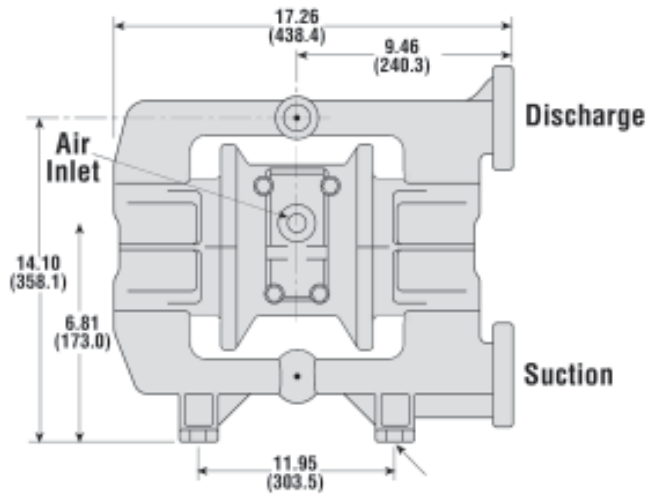
Typical application

Drum and small tank transfer, pickling solutions, chemical feed

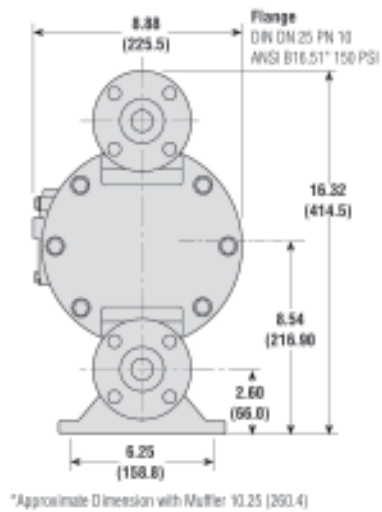
Teflon and Viton are registered Trademarks of DuPont Company. Kynar is a registered Trademark of Penwalt Corp. Santoprene is a registered Trademark of Monsanto Company. Geolast is a registered Trademark of Advanced Elastomer Systems.

1" Bolted Version (non-metallic)

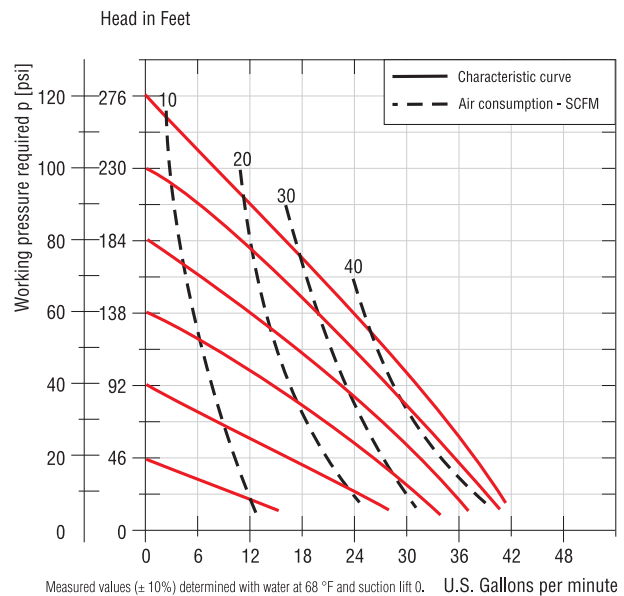
Air Operated Diaphragm Pumps ■ AIRTRAN



Front View



Side View



Dimensions in inches and (mm).

Operating data / Dimensions / Weights		
	1" PP	1" Kynar®
Housing material	Polypropylene	Kynar®
Diaphragm materials	Geolast®, Santoprene®, Teflon®, Viton®	Teflon®, Santoprene®, Viton®
Valve ball materials	Geolast®, Santoprene®, Teflon®, Viton®	Teflon®, Viton®
Seals	Geolast®, Santoprene®, Teflon®, Viton®	Teflon®, Viton®
Valve seat	PP	Kynar®
Flow rate	41.2 gpm	41.2 gpm
Volume per stroke*	.083 gal/stroke	.083 gal/stroke
Suction lift dry	14.7 ft	14.7 ft
Suction lift Teflon®	9.8 ft	9.8 ft
Operating pressure	max. 120 PSI	max. 120 PSI
Temperature limits	150 °F	200 °F
Solids handling	max Ø 0.24 inches	max Ø 0.24 inches
Air inlet	1/4" NPT female 1/2" BSP female	1/4" NPT female 1/2" BSP female
Air outlet	3/8" NPT female	3/8" NPT female
Suction	1" DIN/ANSI Flange	1" DIN/ANSI Flange
Discharge	1" DIN/ANSI Flange	1" DIN/ANSI Flange
Weight	20 lbs	30 lbs

*Based on flooded suction conditions with water and 100 psi air pressure.

Type	Materials of Construction		Part No.
	Housing	Diaphragm, Valve Balls, Seals	
1" PPB PP/Geolast®	PP	Geolast®	LJPG-B1
1" PPE PP/Teflon®	PP	Teflon®	LJPT-B1
1" PPT PP/Santoprene®	PP	Santoprene®	LJPE-B1
1" PPV PP/Viton®	PP	Viton®	LJPV-B1
1" KNV KN/Teflon®	Kynar®	Teflon®	LJKT-B1

Material description

Geolast® = NBR/PP compound
 Kynar® = PVDF = Polyvinylidenfluoride
 Polypropylene = PP
 Santoprene® = EPDM/PP-compound
 Teflon® = PTFE = Polytetrafluorethylene
 Viton® = FPM = Fluoro Elastomer

Typical application

Drum and small tank transfer, pickling solutions, chemical feed

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