

VALUE FOR MONEY



MAX DISCHARGE

0-263 litres/minute

SIZE, MATERIAL

1-1/2", Aluminium

WEIGHT

15 Kgs



AIR OPERATED DIAPHRAGM PUMP

These aluminium constructed pumps are commonly combined with Neoprene, Nitrile, Santoprene, Hytrel, Viton or PTFE Elastomers. With these elastomers they are ideal for pumping of water and water-based fluids, non-aggressive fluids, oily fluids and fluids having low acidic or alkali concentrations

Aluminium Pumps offer a relatively low-cost solution to many pumping applications. For this purpose, the main industries that choose Aluminium pumps are Paints, Marine, Mining, Ceramic and Wastewater/Pollution management.



Diaphragm Options 'X'

Neoprene Nitrile

Santoprene

Hytrel

Viton PTFF









Approvals and Certifications

All Teryair pumps are CE marked and manufactured under an ISO 9001:2015 Quality system by SGS. All Teryair aluminum, Ductile iron, and Stainless Steel pumps are explosionproof Certified (ATEX).



Versatility

This pump handles Viscous fluids,
Slurries, Solid laden fluids, Shear Sensitive fluids very well.

No Priming needed

No Foaming of fluid pumped

No Stall damages

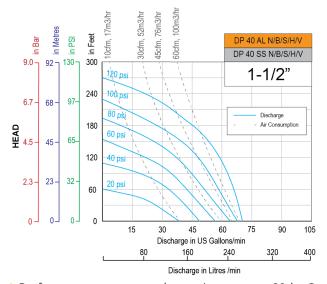
Portable

Submerged operation capable

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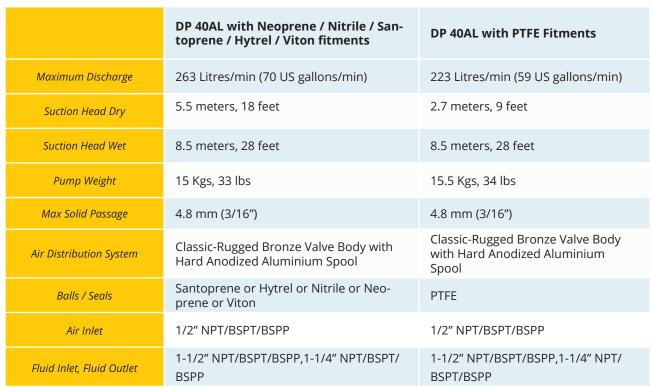


Performance Graphs DP 40 ALN/ALB/ALS/ALH/ALV

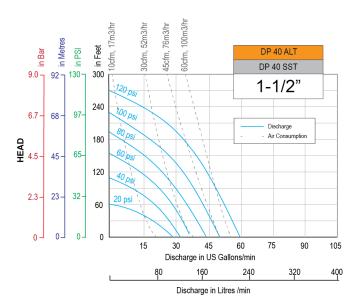


- Performance as measured pumping water at 20degC.
- Disclaimer: Actual pump performance may vary depending on number of bends, suction needed and friction in length of discharge piping.
- For guidance on how to select a suitable pump, visit Teryair AODD pump Selection guide.

Technical Data DP 40ALX



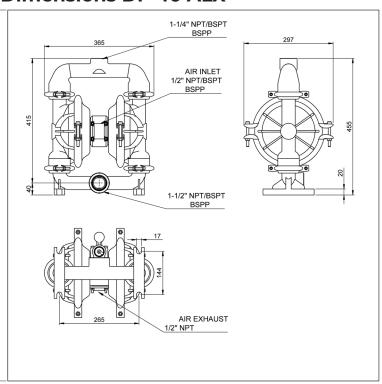
Performance Graphs DP 40 ALT



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Dimensions DP 40 ALX



Pump Nomenclature

XX	XX	XX	X	X	X
Air Valve Type	Pump Size	Material of Construction	Material of Diaphragm	Bolted or Clamped	Threading on Inlet and Outlet
	06 - 1/4"				
	12 - 1/2"				
DP - Classic	15 - 1/2"	AL - Aluminium	B - Nitrile		R- NPT
ADP - Advanced	25 - 1"	SS - Stainless Steel 316L	N - Neoprene	B - Bolted	G - BSPT
SDP - MaxFlo	40 - 1 - 1/2"	PP - Polypropylene	S - Santoprene T - PTFE	C - Clamped	P - BSPP
ODI MAXI IS	50 - 2 "		V - Viton H - Hytrel	o Giampea	
	75- 3"	CI - Ductile Iron			F - Flanged
	100 - 4"				

Air Valve Replacement Kits for DP 40 ALX Pumps

Air Valve Replacement Kit consists of a complete operational air valve assembly complete. Consisting of Air Valve Body, End Plates, Spool and all seals, o rings and gaskets.

Replacement KIT Ordering No	Suitable for
151 97 03	NPT Fitted ALX or SSX Pumps With Any Diaphragm Variant
151 97 04	BSPT Fitted ALX or SSX Pumps With Any Diaphragm Variant
151 97 05	BSPP Fitted ALX or SSX Pumps With Any Diaphragm Variant



Diaphragm specifications An excellent general-purpose diaphragm for use in non-aggressive applications such as water-based slur-Neoprene ries, well water or sea water. Exhibits excellent flex life and low cost. Temperature range -18°C to +93°C (0°F to +200°F) Excellent for applications involving petroleum / oil-based fluids such as leaded gasolines, fuel oils, non-syn-Nitile thetic hydraulic oils, kerosene, turpentine and motor Temperature range -12°C to +82°C (+10°F to +180°F) Good abrasion resistance. Low cost. Can handle mild acids and alkalis well. Excellent low cost alternative Santoprene to ptfe. Excellent suction capabilites Excellent general purpose diaphragm. Temperature range -40°C to +107°C (-40F to +225°F) Good abrasion resistance. Low cost. . Excellent suc-Hytrel tion capabilites Good general purpose diaphragm. Temperature range -29°C to +104°C (-20°F to +220°F Excellent for use in applications requiring extremely hot temperatures. May also be used with aggressive Viton fluids such as aromatic or chlorinated hydrocarbons and highly aggressive acids. Especially where high suction lift is important. Temperature range -40°C to +175°C (-40°F to +350°F) Excellent choice when pumping highly aggressive fluids such as aromatic or chlorinated hydrocarbons, PTFE acids, caustics, ketones and acetates.

note: not all diaphragms may be available with this pump, see page 1 for diaphragm options for this pump.

Repair Kits for DP 40 ALX Pumps

Repair Kits consist of everything you need to quickly restore the pump. Repair Kits contain one set of Diaphragms, one set of balls, one set of seats or seats+Orings, air valve spool complete, all gaskets, end caps with fitted rings. Repair kits are threading independant.

Temperature range +4°C to +104°C (+40°F to +220°F)

Repair KIT Ordering No	Suitable for
151 97 06N	DP 40 ALN
151 97 06B	DP 40 ALB
151 97 06S	DP 40 ALS
151 97 06H	DP 40 ALH
151 97 06V	DP 40 ALV
151 97 06T	DP 40 ALT



SUMMERY FOR THE ATEX RATING FOR TERYAIR AODD MODELS

Pump Size	Series	Wetted Materials	Center Section	Dipharagm Materials	ATEX Rating
				Neoprene	ll 2 GD Ex h IIC T6 Gb
	Aluminium	Aluminium	Buna-N	Ex h IIIC T85°C Db (IP65)	
			Viton-FKM	ll 2 GD Ex h IIC T3 Gb Ex h IIIC T200°C Db (IP65)	
			Sentoprene	lla op p. l. woma ol	
				Hytrel	ll 2 GD Ex h IIC T5 Gb Ex h IIIC T100°C Db (IP65)
				PTFE	Ex ii iii o ii o o o o o o o o
06 (1/4")	SDP	Stainless Steel	Stainless Steel	Neoprene	ll 2 GD Ex h IIC T6 Gb
(1/4)				Buna-N	Ex h IIIC T85°C Db I M2 Ex h I Mb (IP65)
				Viton-FKM	ll 2 GD Ex h IIC T3 Gb Ex h IIIC T200°C Db (IP65) I M2 Ex h I Mb (IP65)
				Sentoprene	ll 2 GD Ex h IIC T5 Gb
				Hytrel	Ex h IIIC T100°C Db (IP65)
				PTFE	I M2 Ex h I Mb (IP65)
DP/SDP				Neoprene	ll 2 GD Ex h IIC T6 Gb
				Buna-N	Ex h IIIC T85°C Db (IP65)
	Aluminium	Aluminium	Viton-FKM	ll 2 GD Ex h IIC T3 Gb Ex h IIIC T200°C Db (IP65)	
				Sentoprene	11 - op p 1 wom- ol
				Hytrel	ll 2 GD Ex h IIC T5 Gb Ex h IIIC T100°C Db (IP65)
				PTFE	Ex II IIIC 1100 C D0 (II 03)
12 (1/2")		Stainless Steel	Stainless Steel	Neoprene	ll 2 GD Ex h IIC T6 Gb
(1/2)				Buna-N	Ex h IIIC T85°C Db I M2 Ex h I Mb (IP65)
SD	SDP			Viton-FKM	Il 2 GD Ex h IIC T3 Gb Ex h IIIC T200°C Db (IP65) I M2 Ex h I Mb (IP65)
				Sentoprene	ll 2 GD Ex h IIC T5 Gb
				Hytrel	Ex h IIIC T100°C Db (IP65)
				PTFE	I M2 Ex h I Mb (IP65)
		Aluminium / Stain- less Steel	Aluminium	Neoprene	ll 2 GD Ex h IIC T6 Gb
				Buna-N	Ex h IIIC T85°C Db (IP65)
25 (1") DP / SDP	DP /			Viton-FKM	ll 2 GD Ex h IIC T3 Gb Ex h IIIC T200°C Db (IP65)
	SDF			Sentoprene	II a CD E A MORE CI
				Hytrel	ll 2 GD Ex h IIC T5 Gb Ex h IIIC T100°C Db (IP65)
				PTFE	(1100)



SUMMERY FOR THE ATEX RATING FOR TERYAIR AODD MODELS

Pump Size	Series	Wetted Materials	Center Section	Dipharagm Materials	ATEX Rating
40 (1-1/2")	DP / SDP	Aluminium / Stain- less Steel	Aluminium	Neoprene	ll 2 GD Ex h IIC T6 Gb
				Buna-N	Ex h IIIC T85°C Db (IP65)
				Viton-FKM	ll 2 GD Ex h IIC T3 Gb Ex h IIIC T200°C Db (IP65)
	SDP			Sentoprene	ll 2 GD Ex h IIC T5 Gb Ex h IIIC T100°C Db (IP65)
				Hytrel	
				PTFE	
				Neoprene	ll 2 GD Ex h IIC T6 Gb Ex h IIIC T85°C Db (IP65)
	DP /	Aluminium / Stain- less Steel	Aluminium	Buna-N	
				Viton-FKM	ll 2 GD Ex h IIC T3 Gb Ex h IIIC T200°C Db (IP65)
	SDP			Sentoprene	Ha op n I wome of
				Hytrel	ll 2 GD Ex h IIC T5 Gb Ex h IIIC T100°C Db (IP65)
				PTFE	
50 (2")				Neoprene	ll 2 GD Ex h IIC T6 Gb
		Cast Iron	Cast Iron	Buna-N	Ex h IIIC T85°C Db I M2 Ex h I Mb (IP65)
	SDP			Viton-FKM	"ll 2 GD Ex h IIC T3 Gb Ex h IIIC T200°C Db (IP65) I M2 Ex h I Mb (IP65)"
				Sentoprene	ll 2 GD Ex h IIC T5 Gb
				Hytrel	Ex h IIIC T100°C Db (IP65)
				PTFE	I M2 Ex h I Mb (IP65)
	DP /	Aluminium	Aluminium	Neoprene	ll 2 GD Ex h IIC T6 Gb
				Buna-N	Ex h IIIC T85°C Db (IP65)
				Viton-FKM	ll 2 GD Ex h IIC T3 Gb Ex h IIIC T200°C Db (IP65)
	SDP			Sentoprene	U - 05 5 1 7 0 5 01
				Hytrel	ll 2 GD Ex h IIC T5 Gb Ex h IIIC T100°C Db (IP65)
				PTFE	Ex ii iii e 1100 e 50 (ii 03)
75 (3")	SDP	Cast Iron	Cast Iron	Neoprene	ll 2 GD Ex h IIC T6 Gb
				Buna-N	Ex h IIIC T85°C Db I M2 Ex h I Mb (IP65)
				Viton-FKM	ll 2 GD Ex h IIC T3 Gb Ex h IIIC T200°C Db (IP65) I M2 Ex h I Mb (IP65)
				Sentoprene	ll 2 GD Ex h IIC T5 Gb
				Hytrel	Ex h IIIC T100°C Db (IP65)
				PTFE	I M2 Ex h I Mb (IP65)

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