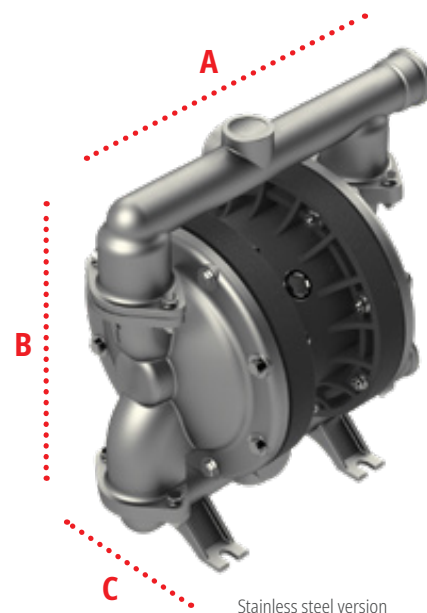
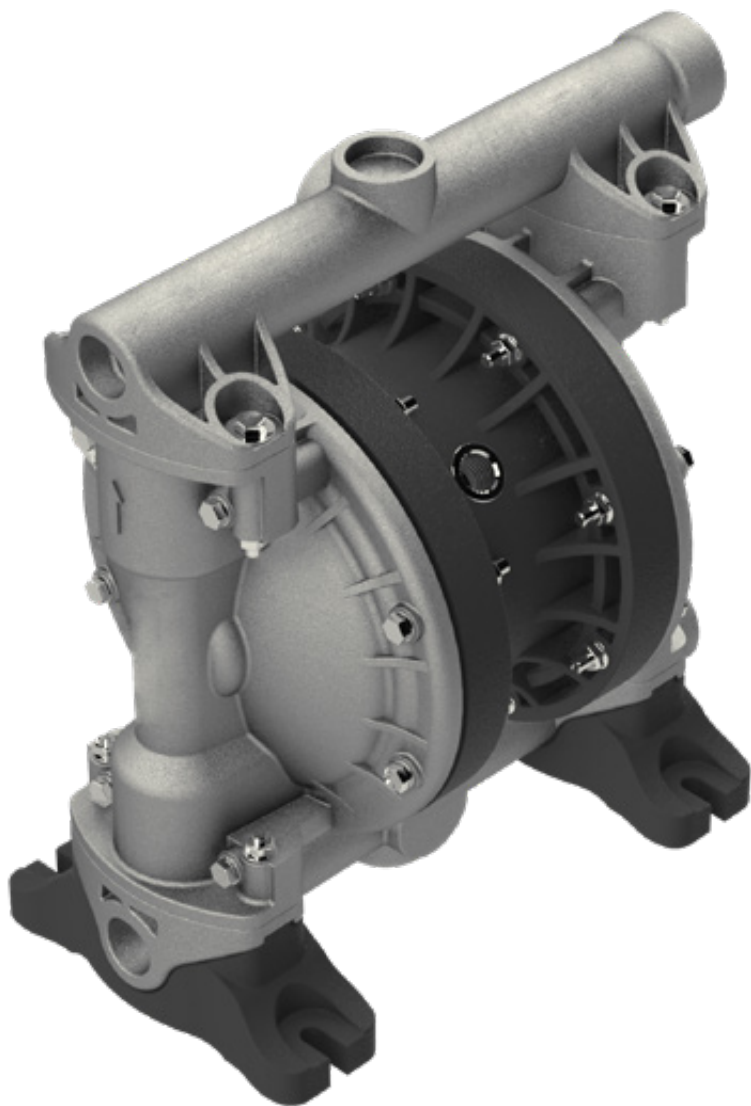


Model 1" metallic

The double diaphragm pump is suitable for industrial applications as well as for emptying drums, IBCs and tanks.



Dimensions

Alu	A 310 B 335 C 203
Stainless steel	A 312 B 322 C 204

Dimensions in mm

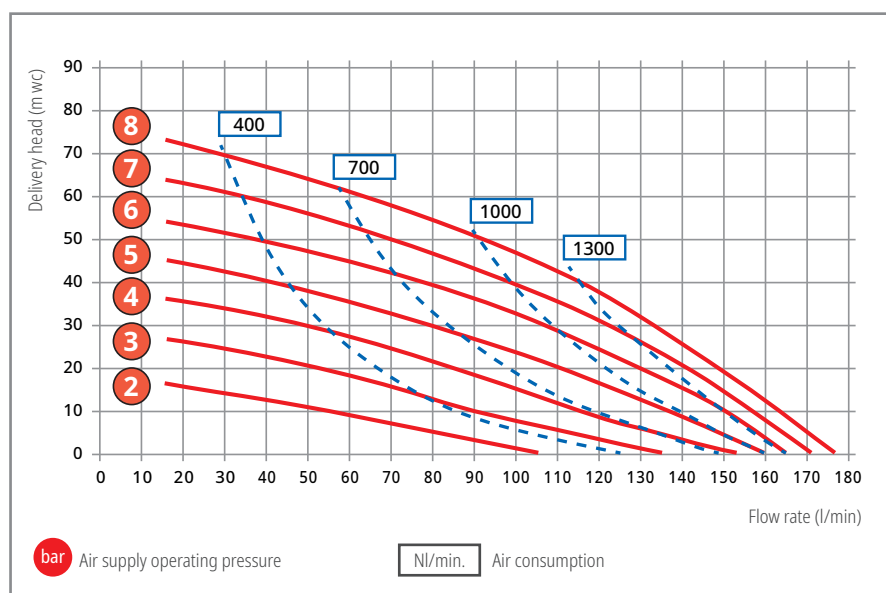
Detailed dimensioned drawings are available for download on our website.

When using a needle valve, the thread extension part no. 5000-712 is required.

Pump type	Materials				Order No.
	Housing	Diaphragms	Check balls	Seals	
AODD 1" ALT Ex*	Aluminium	TPC-ET + TFM (PTFE)	PTFE	PTFE	5232-100
AODD 1" ALE Ex*	Aluminium	TPV (EPDM-PP)	EPDM	EPDM	5232-120
AODD 1" ALB Ex*	Aluminium	NBR	NBR	NBR	5232-140
AODD 1" ALV Ex*	Aluminium	FPM	FPM	FPM	5232-150
AODD 1" SST Ex*	Stainless steel	TPV (EPDM-PP) + TFM (PTFE)	PTFE	PTFE	5233-110
AODD 1" SSE Ex*	Stainless steel	TPV (EPDM-PP)	EPDM	EPDM	5233-120
AODD 1" SSB Ex*	Stainless steel	NBR	NBR	NBR	5233-140
AODD 1" SSV Ex*	Stainless steel	FPM	FPM	FPM	5233-150

Operating data / dimensions / weights

	AODD 1" Aluminium	AODD 1" Stainless steel
Housing material:	Aluminium	Stainless steel 1.4404 (316 L)
Centre block material:	Polypropylene (carbon fibre reinforced)	Polypropylene (carbon fibre reinforced)
Diaphragm material:	NBR, TPC-ET + TFM (PTFE), TPV (EPDM-PP), FPM	NBR, TPV (EPDM-PP) + TFM (PTFE), TPV (EPDM-PP), FPM
Valve ball material:	NBR, PTFE, EPDM, FPM	NBR, PTFE, EPDM, FPM
Seals:	NBR, PTFE, EPDM, FPM	NBR, PTFE, EPDM, FPM
Valve seat:	Aluminium	Stainless steel
Max. flow rate:	175 l/min.	175 l/min.
Max. delivery head:	80 m wc (Type ALE + ALB: max. 50 m wc)	80 m wc (Type SSE + SSB: max. 50 m wc)
Max. air pressure:	8 bar	8 bar
Min. air pressure (start-up):	2 bar	2 bar
Max. suction head (dry):	4.5 m wc	4.5 m wc
Displacement per chamber:	220 cm ³	220 cm ³
Displacement per cycle:	440 cm ³	440 cm ³
Max. viscosity:	10,000 mPas	10,000 mPas
Sound pressure level (Lp):	80 dB(A)	80 dB(A)
Max. temperature:	100 °C	100 °C
Max. solid size:	ø 6.0 mm	ø 6.0 mm
Air inlet:	3/8" BSP inside thread	3/8" BSP inside thread
Suction:	1" BSP inside thread	1" BSP inside thread
Pressure joint:	1" BSP inside thread	1" BSP inside thread
Weight:	7.8 kg	11.0 kg



Description of material:

EPDM	= Ethylene propylene diene rubber
FPM	= Fluorine rubber
NBR	= Acrylonitrile butadiene rubber
PP	= Polypropylene
PTFE	= Polytetrafluoroethylene
TPC-ET	= Thermoplastic polyester elastomer
TFM (PTFE)	= Modified polytetrafluoroethylene
TPV (EPDM-PP)	= EPDM/PP compound