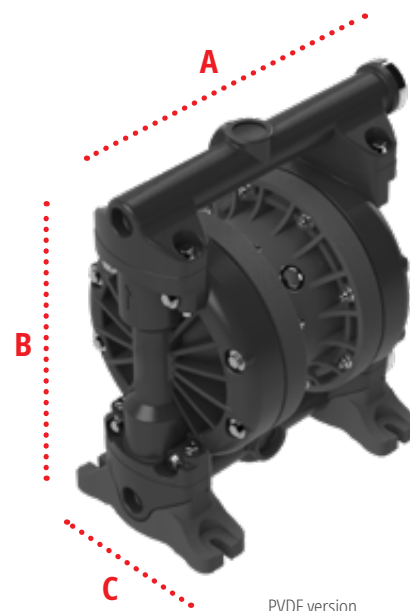


Model 1" non-metallic

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



PVDF version

Dimensions

PP / PVDF

A 310 **B** 345 **C** 203

Dimensions in mm

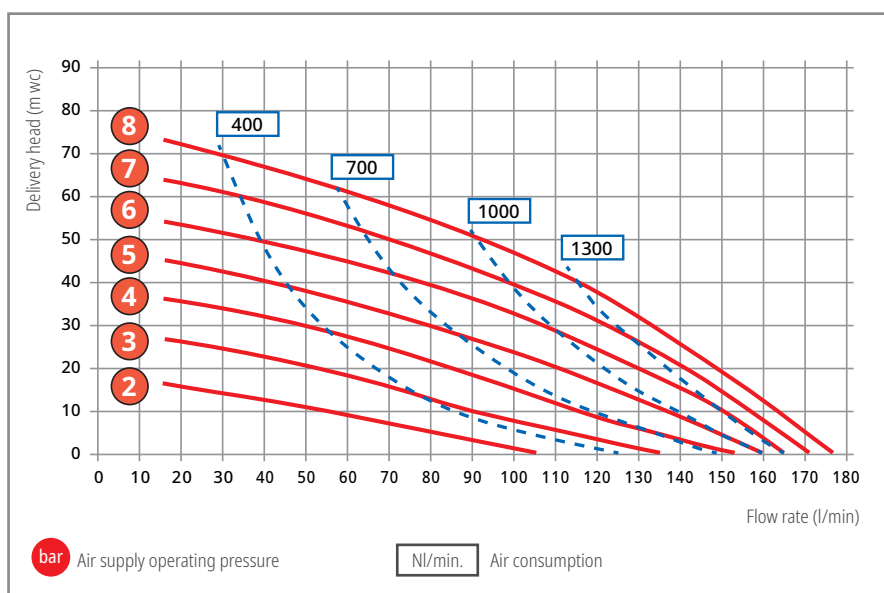
Detailed dimensioned drawings are available for download on our website.

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" PPT	PP (glass fibre reinforced)	TPC-ET + TFM (PTFE)	PTFE	PTFE	5230-000
AODD 1" PPE	PP (glass fibre reinforced)	TPV (EPDM-PP)	EPDM	EPDM	5230-020
AODD 1" PPB	PP (glass fibre reinforced)	NBR	NBR	NBR	5230-040
AODD 1" PPV	PP (glass fibre reinforced)	FPM	FPM	FPM	5230-050
AODD 1" KNT	PVDF (carbon fibre reinforced)	TPV (EPDM-PP) + TFM (PTFE)	PTFE	PTFE	5231-010
AODD 1" KNV	PVDF (carbon fibre reinforced)	FPM	FPM	FPM	5231-050

Operating data / dimensions / weights

	AODD 1" PP	AODD 1" PVDF
Housing material:	Polypropylene (glass fibre reinforced)	Polyvinylidene fluoride (carbon fibre reinforced)
Centre block material:	Polypropylene (carbon fibre reinforced)	Polypropylene (carbon fibre reinforced)
Diaphragm material:	NBR, TPC-ET + TFM (PTFE), TPV (EPDM-PP), FPM	TPV (EPDM-PP) + TFM (PTFE), FPM
Valve ball material:	NBR, PTFE, EPDM, FPM	PTFE, FPM
Seals:	NBR, PTFE, EPDM, FPM	PTFE, FPM
Valve seat:	PP	PVDF
Max. flow rate:	175 l/min.	175 l/min.
Max. delivery head:	80 m wc (Type PPE + PPB: max. 50 m wc)	80 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:	60 °C	90 °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:	6.4 kg	7.7 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