



Air Operated Double Diaphragm Pumps

1/2" D152

1/2" Diaphragm Pump Data Sheet

Max Flow Rate: 65 L/min.
 Liquid Connections: 1/2" Female Multiports.
 Max Slurry Size: 2.0 mm (Ball Valve Models).
 Max Suction Lift: Dry Flat Valve: 2.0m. Ball Valve: 1.5m. Wet (Primed): 8.0m.
 Max Discharge Pressure: 0.7 MPa.
 Check Valve Configuration: Flat Valves & Ball Valve Models.
 Pump Wetted Material Options: Al, SUS, PP, CFPVDF, .
 Diaphragm Options: PTFE, CR, NBR, TPEE, TPO, One-piece PTFE.
 Air Motor Material: PPG. (Optional CFPP).
 Description: 1/2" AODD Pumps available in a full range of materials. Looped C® Spring Air Spool. Polypropylene Air Motor. Multi Port Threaded Connections. Internal Silencer. Multi Footprint.



D152A□

152 Pump Specifications

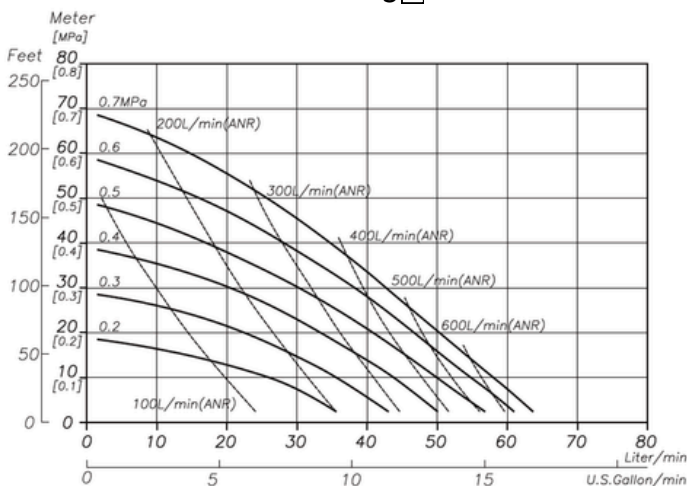
Pump Model	A S	P V□
Max Flow Rate	65 L/min [17.2 GPM]	62 L/min [16.4 GPM] (Flat Valve Version)
Max Solids Size	2.0mm or Less	0mm (Flat Valve Version)
Max Discharge Pressure	0.7 MPa [100 PSI]	
Supply Air Pressure Range	Flat Valve Dry: 2.0 meters Ball Valve Dry: 1.5 meters Wet (Primed): 8.0 meters	
Max Suction Lift	0.2 -0.7 MPa [30 -100 PSI]	
Max Air Consumption	700 L/min (ANR) [24.72SCFM]	
Max Discharge Vol Per Cycle	85 mL	
Ambient Temp Range	0 -70 °C [32 -158 °F]	
Liquid Temp Range	0 -60 °C [32 -140°F]	
Inlet & Outlet Connections	1/2" Female Threaded Multi-Ports	

Note. Factors affecting a pumps stated liquid flow rate, suction lift & solids handling capabilities include but are not limited to; pump size, diaphragm, ball valve & ball seat, type & materials of construction, air inlet pressure & air flow capability, liquid viscosity, specific gravity, slurry content, ambient & liquid temperature, liquid inlet & liquid outlet width, piping type, piping length & overall piping configuration. A minimum supply air pressure of 30 PSI (0.2 MPa) is required to operate the pump.

Pump Performance Curves

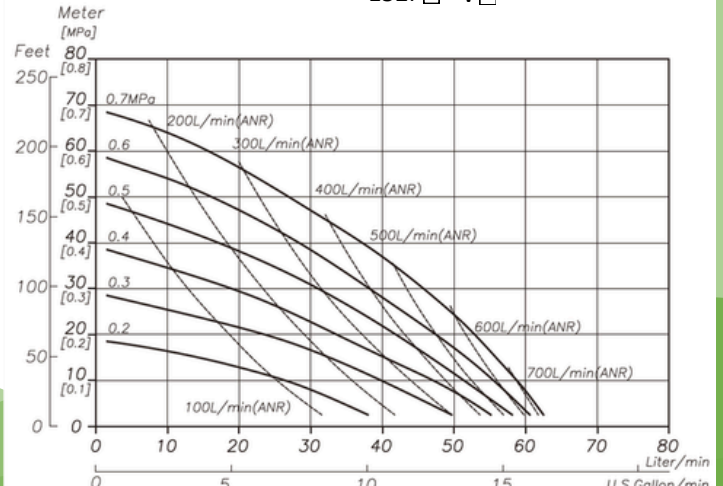
Metallic Pump Curves

152A□ • S□



Plastic Pump Curves (Flat Check Valves)

152P□ • V□



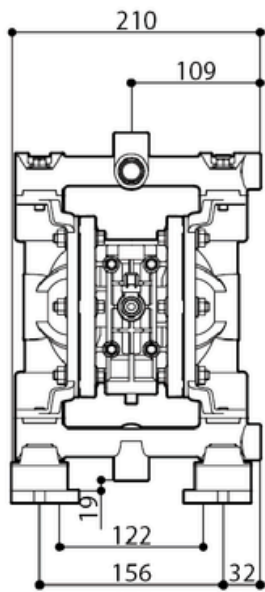
Wetted Materials Of Construction

MODEL	152AC [152ACN]	152AN [152ANN]	152AT [152ATN]	152AH [152AHN]	152AS [152ASN]	152AW [152AWN]	152SC [152SCN]	152SN [152SNN]	152ST [152STN]	152SH [152SHN]	152SS [152SSN]	152SW [152SWN]
Pump Wetted Parts	ADC12						SCS14					
Diaphragm	CR	NBR	PTFE	TPEE	TPO	PTFE • EPDM	CR	NBR	PTFE	TPEE	TPO	PTFE • EPDM
Valve Stopper	PA						SCS14					
Flat Valve												
Ball Valve	CR	NBR	PTFE	NBR	EPDM	PTFE	CR	NBR	PTFE	NBR	EPDM	PTFE
Valve Seat	A5056						SUS316					
Center Disk	A5056					—	SUS316					—
Weight	4.2 kg [9.3 lbs]						6.7 kg [14.8 lbs]					

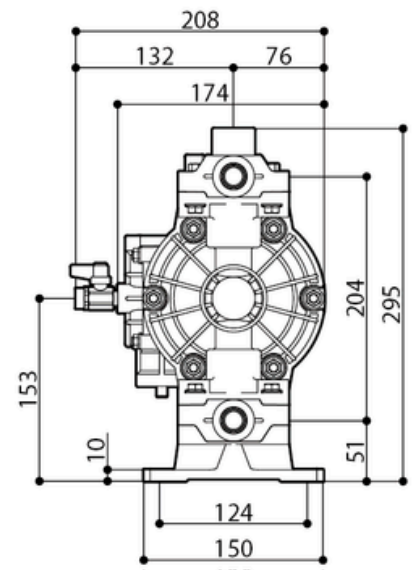
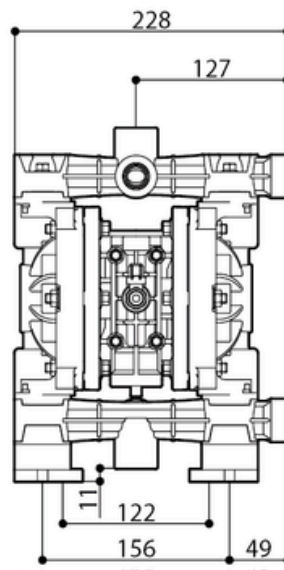
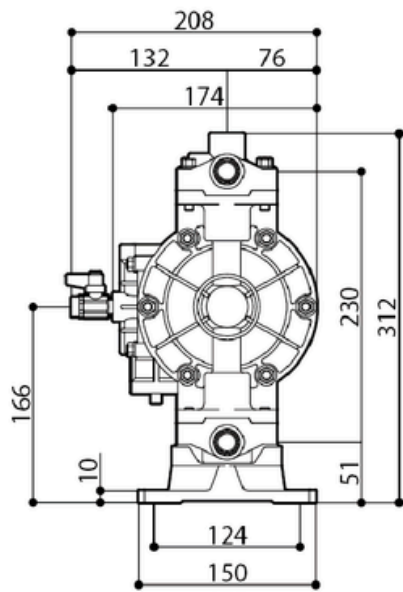
MODEL	152PC [152PCN]	152PN [152PNN]	152PT [152PTN]	152PH [152PHN]	152PS [152PSN]	152PW [152PWN]	152VT [152VTN]	152VS [152VSN]	152VW [152VWN]	152DT [152DTN]	152DW [152DWN]	152DC [152DCN]	152CN [152CNN]	152CT [152CTN]	152CH [152CHN]	152CS [152CSN]	152CW [152CWN]	
Pump Wetted Parts	PP						PVDF			POM		PP CONDUCTIVE						
Diaphragm	CR	NBR	PTFE	TPEE	TPO	PTFE • EPDM	PTFE	TPO	PTFE • EPDM	PTFE	PTFE • EPDM	CR	NBR	PTFE	TPEE	TPO	PTFE • EPDM	
Valve Stopper	PP						PVDF			POM		PP CONDUCTIVE						
Flat Valve	PTFE						PTFE			PTFE		PTFE						
Ball Valve																		
Valve Seat	PP						PVDF			POM		PP CONDUCTIVE						
Center Disk	PP					—	PVDF		—	POM		—		PP CONDUCTIVE				—
Weight	3.2 kg [7.1 lbs]						4.2 kg [9.3 lbs]			3.8 kg [8.4 lbs]		3.2 kg [7.1 lbs]						

Dimensional Drawings

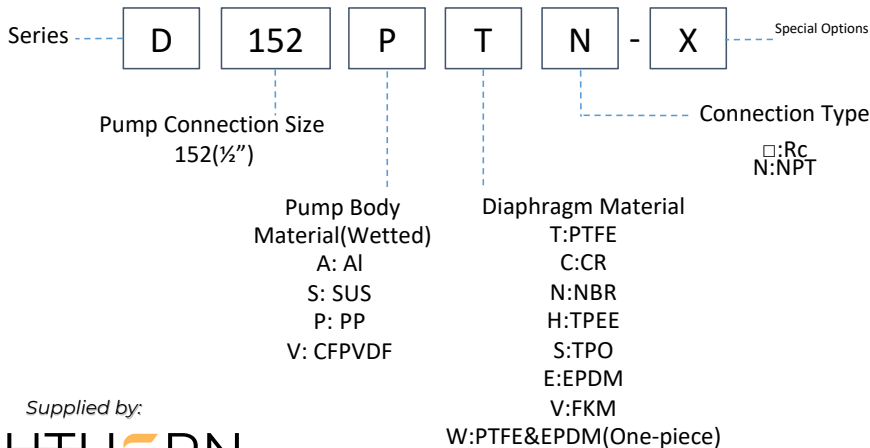
152A □ • S □



152P □ • V □



Nomenclature



D152P □
½" , PP Pump.