



Air-Operated Double Diaphragm Pumps

1/4"Flowrate
18.9 l/minPressure
7.0 bar**3/4"**Flowrate
57 l/minPressure
7.0 bar**1"**Flowrate
189 l/minPressure
8.6 bar**1-1/2"**Flowrate
378.5 l/minPressure
8.4 bar

SPECIFICATIONS

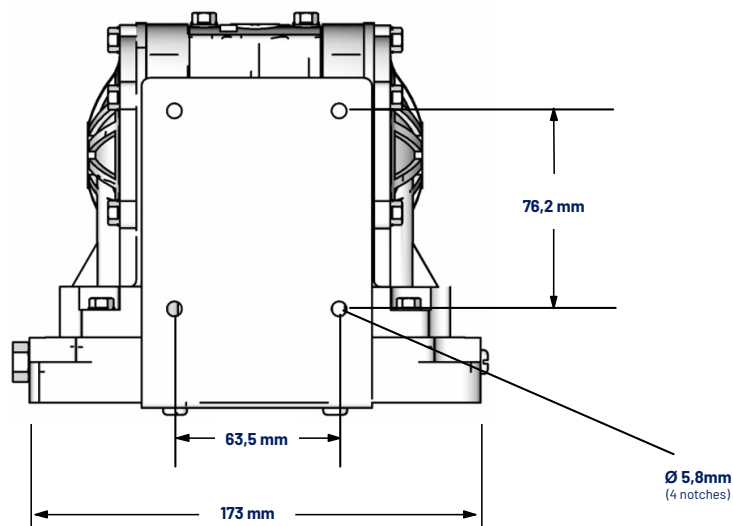
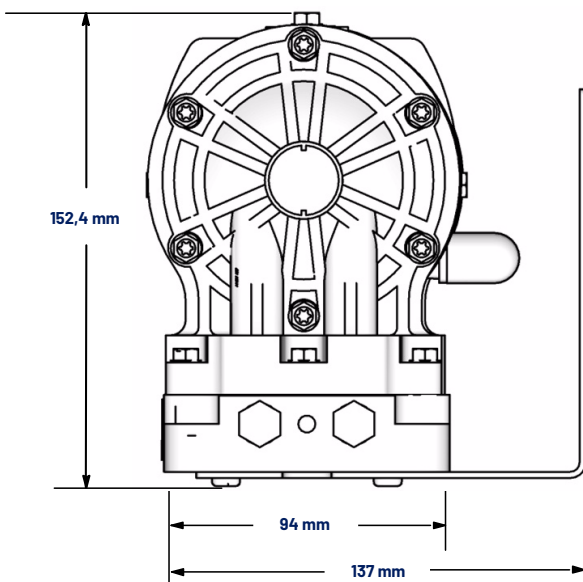
**1/4"****3/4"****1"****1-1/2"**

Design				
Material	Polypropylene	Polypropylene	Polypropylene	Polypropylene
Weight	0.9 kg	2.9 kg	8.2 kg	16 kg
Product wetted parts	PP, PTFE	PP, PTFE	PP	PP
Service temperature range	4° to 66°C	0° to 70°C	4° to 66°C	4° to 65.5°C
Hydraulic and pneumatic performance				
Maximum liquid operating pressure	7.0 bar	7.0 bar	8.6 bar	8.4 bar
Operating range of air pressure	1.4 to 7.0 bar	2.1 to 7.0 bar	1.4 to 8.6 bar	1.4 to 8.4 bar
Maximum air consumption	0.25 m ³ /min	0.672 m ³ /min	1.897 m ³ /min	3.5 m ³ /min
Maximum free flow distribution	18.9 l/min	57 l/min	189 l/min	378.5 l/min
Maximum suction height	3.0 m (Unprimed)	4.5 m (Unprimed) 7.6 m (Primed)	4.9 m (Unprimed) 8.8 m (Primed)	6.1 m (Unprimed)
Maximum size of pumpable solids	1.5 mm	2.5 mm	3.2 mm	4.8 mm
Sound levels				
Sound pressure (ISO 9614-2)	70 dBA @ 4.9 bar	77 dBA @ 4.8 bar 95 dBA @ 7.0 bar	78 dBA @ 4.8 bar 90 dBA @ 7.0 bar	77 dBA @ 4.9 bar
Connections				
Air inlet size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT
Product inlet size	1/4" NPT	1/2" and 3/4" BSPT	Flange 1"	Flange 1-1/2"

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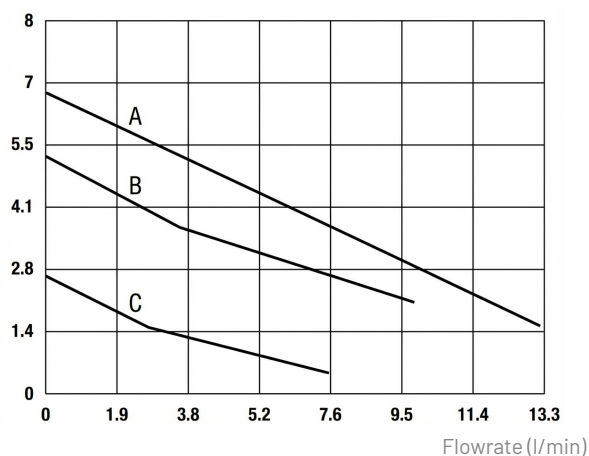
DIMENSIONS

Units : mm



FLOWRATE CHARTS

Pressure (bar)



Test conditions :

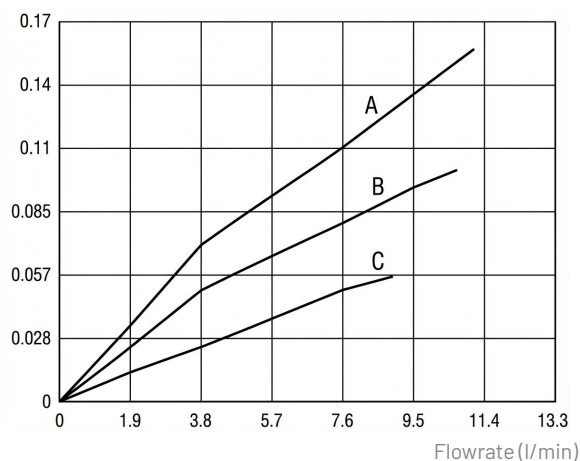
Pump tested in water, submerged inlet

Curve A : 7,0 bar

Curve B : 4,8 bar

Curve C : 2,8 bar

AIR CONSUMPTION CURVES

Air consumption (m³/min)

Test conditions :

Pump tested in water, submerged inlet

Curve A : 7,0 bar

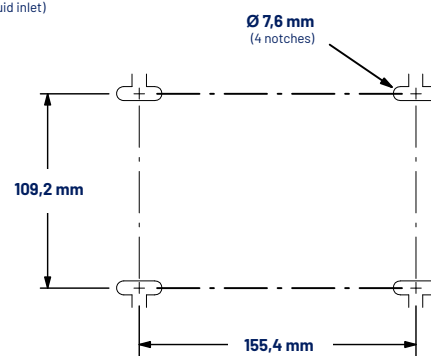
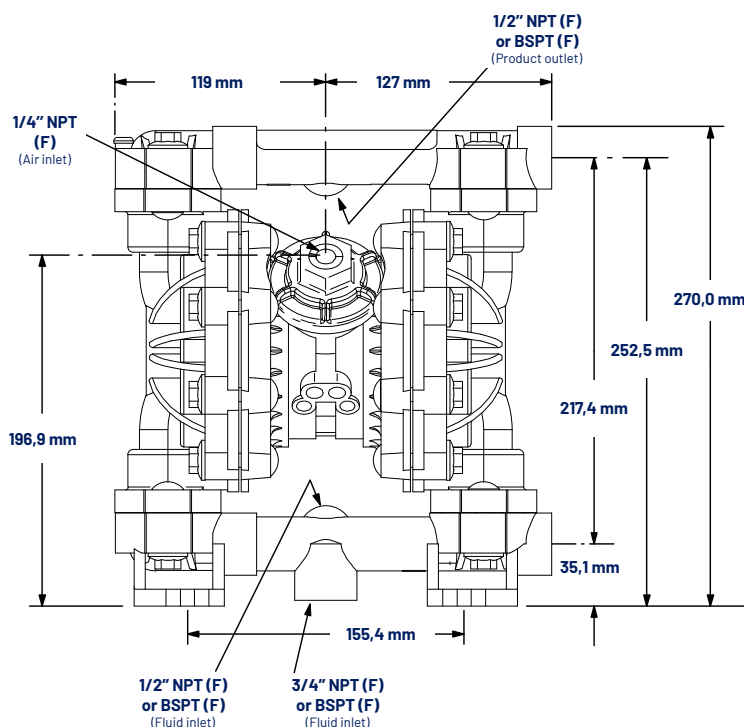
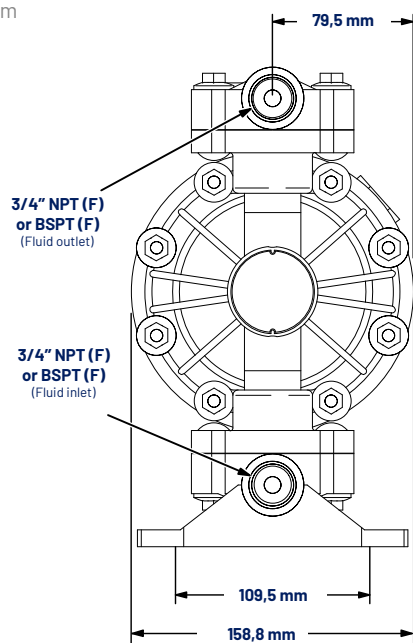
Curve B : 4,8 bar

Curve C : 2,8 bar



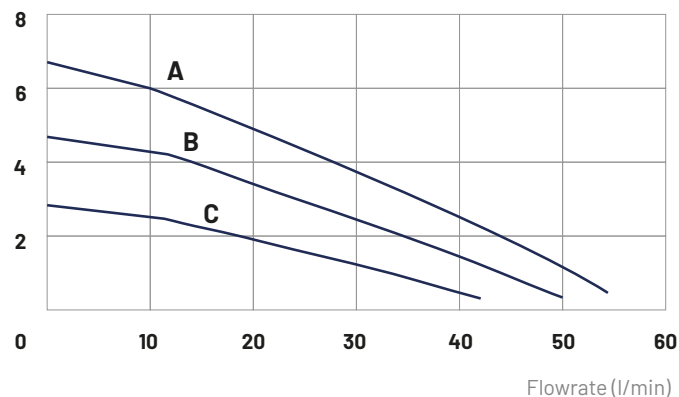
DIMENSIONS

Units : mm



FLOWRATE CHARTS

Pressure (bar)



Test conditions :

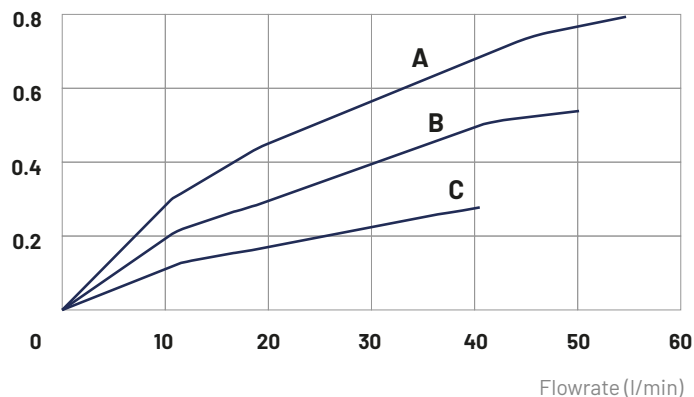
Pump tested in water, submerged inlet

Curve A : 7,0 bar

Curve B : 4,8 bar

Curve C : 2,8 bar

AIR CONSUMPTION CURVES

Air consumption (m³/min)

Test conditions :

Pump tested in water, submerged inlet

Curve A : 7,0 bar

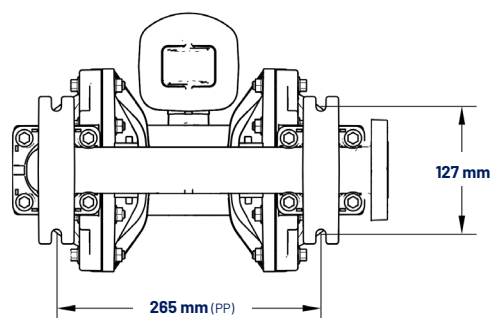
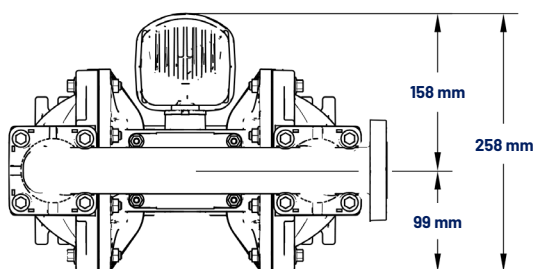
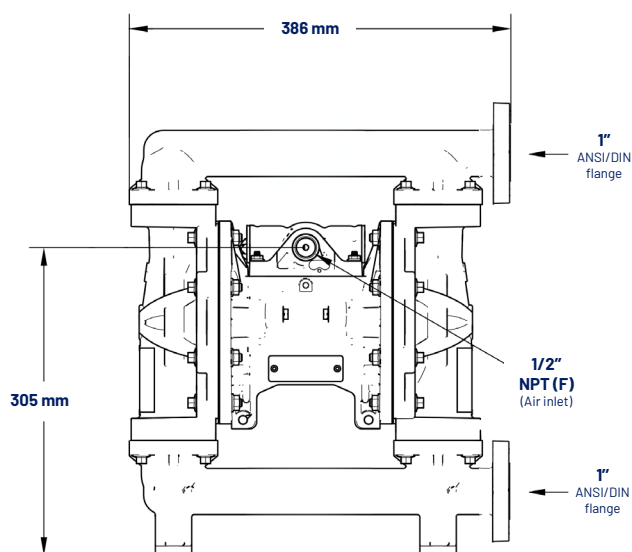
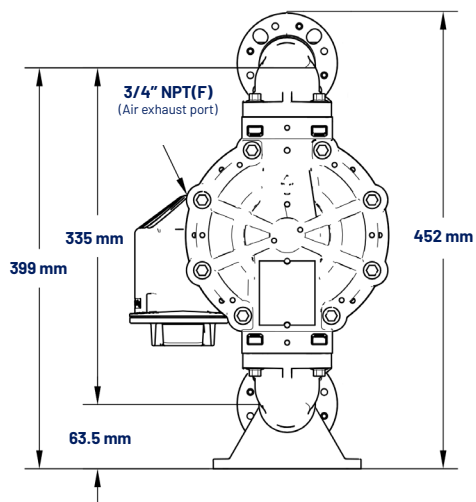
Curve B : 4,8 bar

Curve C : 2,8 bar

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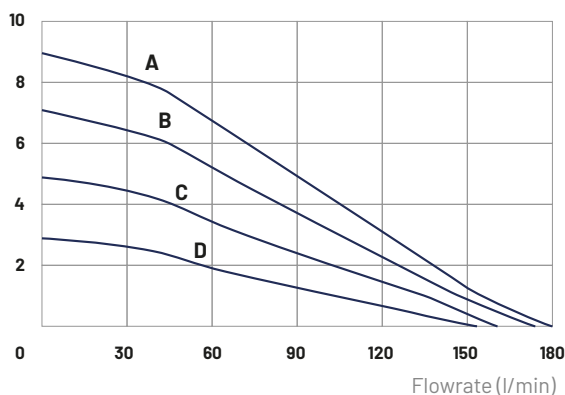
DIMENSIONS

Units : mm



FLOWRATE CHARTS

Pressure (bar)



Test conditions :

Pump tested in water, immersed inlet

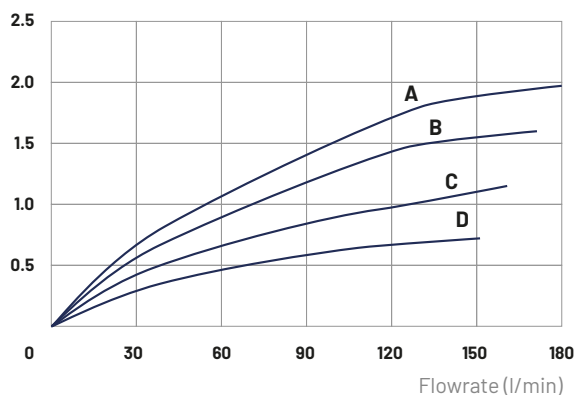
Curve A : 8,3 bar

Curve B : 7,0 bar

Curve C : 4,8 bar

Curve D : 2,8 bar

AIR CONSUMPTION CURVES

Air consumption (m³/min)

Test conditions :

Pump tested in water, immersed inlet

Curve A : 8,3 bar

Curve B : 7,0 bar

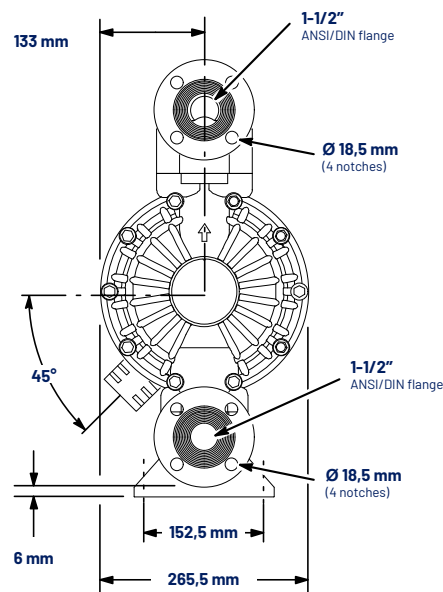
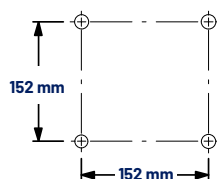
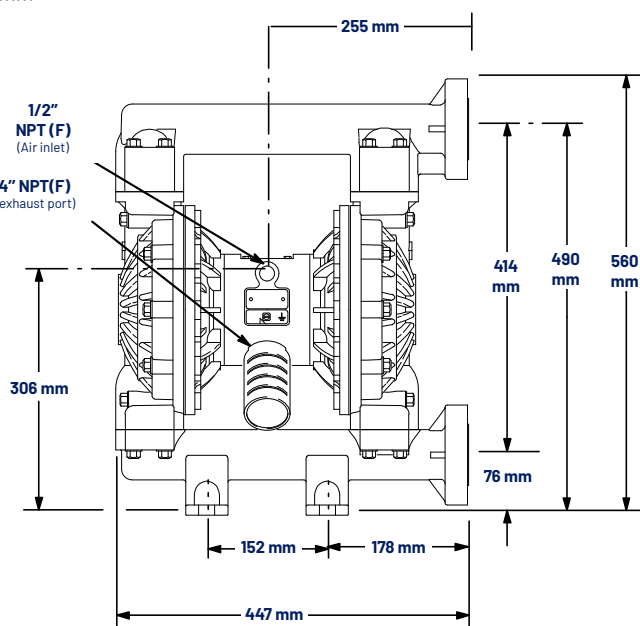
Curve C : 4,8 bar

Curve D : 2,8 bar

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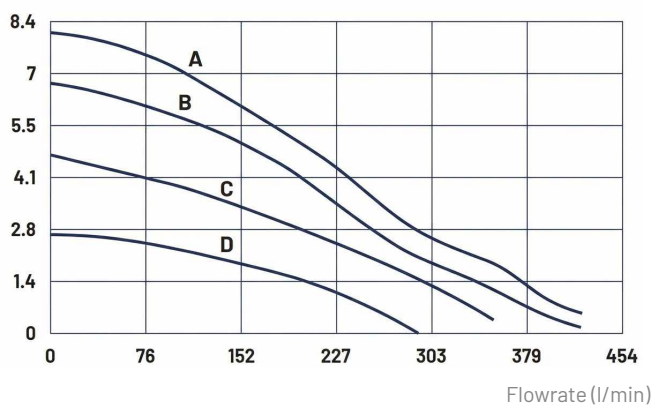
DIMENSIONS

Units : mm



FLOWRATE CHARTS

Pressure (bar)



Test conditions :

Pump tested in water, immersed inlet

Curve A : 8,4 bar

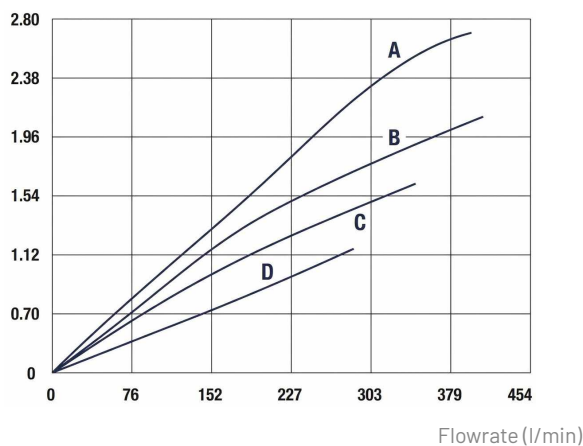
Curve B : 7,0 bar

Curve C : 4,8 bar

Curve D : 2,8 bar

AIR CONSUMPTION CURVES

Air consumption (m³/min)



Test conditions :

Pump tested in water, immersed inlet

Curve A : 8,4 bar

Curve B : 7,0 bar

Curve C : 4,8 bar

Curve D : 2,8 bar

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