

NEUTRONE®

AIR OPERATED DIAPHRAGM PUMP

DW series



Application

Chemical Transfer

Waste Water Transfer

Oil & Gas Industry

Ceramic Industry

Printing Industry

Marine Industry

Food Industry

Shipping Industry

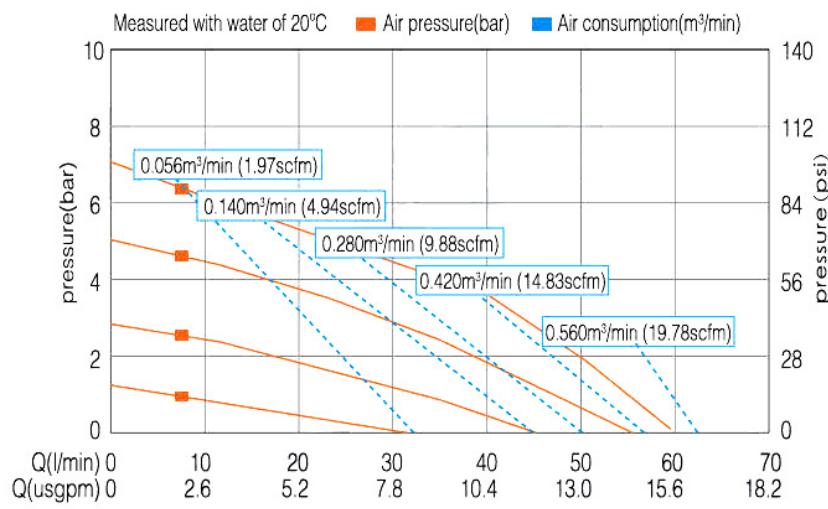
NEUTRONE®

AIR OPERATED DIAPHRAGM PUMP

DW-15PP



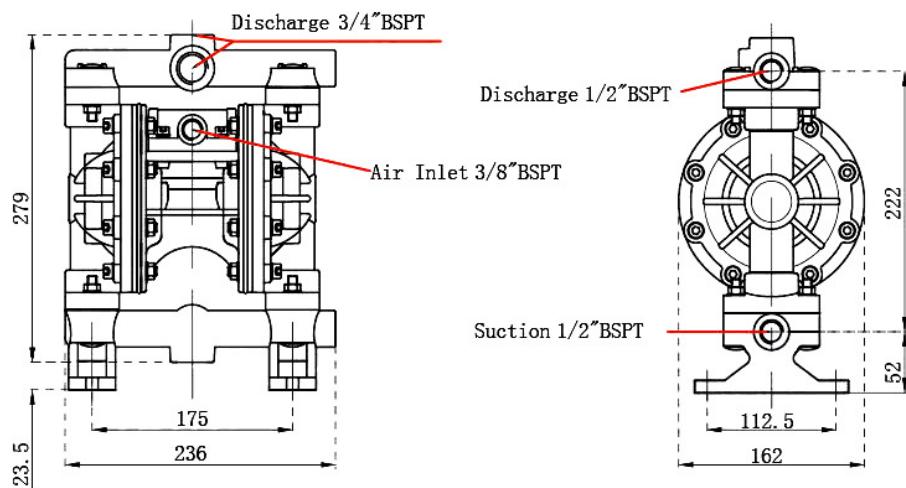
Performance curve



Technical Parameters

Max. Suction Lift	dry 5 m wet 7.6m
Suction height changes with the different combinations of ball, seat and the diaphragm materials.	
Max. particle diameter	2.5 mm
Suction and discharge size	1/2" or 3/4"
Air inlet size	1/4"
Max. flow rate	57 L/min
Max. head	84m
Max. air inlet pressure	8.4bar
Max. air consumption	28 scfm (0.67 m ³ /min)
Main body material	Polypropylene

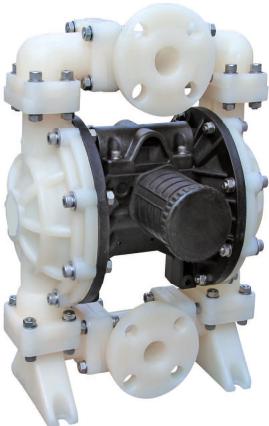
Installation Size



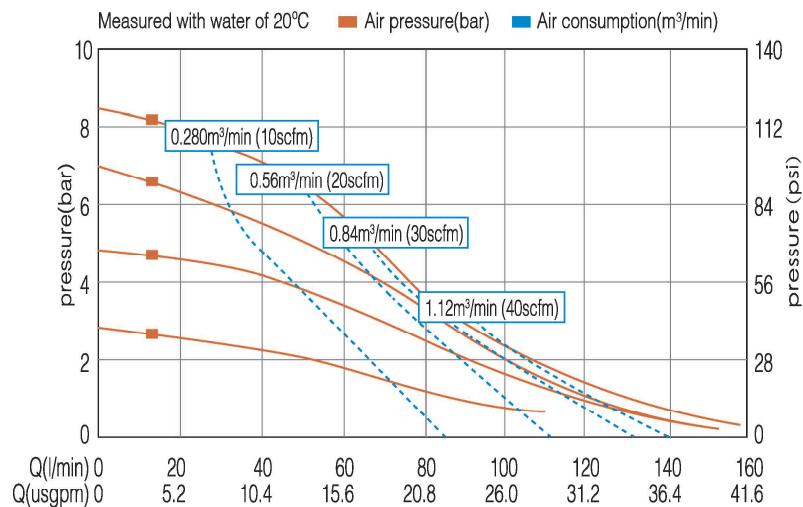
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AIR OPERATED DIAPHRAGM PUMP

DW-25PP



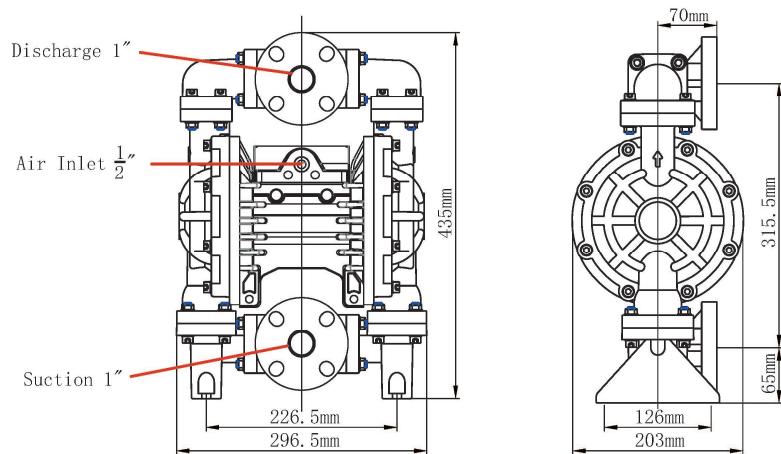
Performance curve



Technical Parameters

Max. Suction Lift	dry 4m wet 8m
Suction height changes with the different combinations of ball, seat and the diaphragm materials.	
Max. particle diameter	4 mm
Suction and discharge size	1 in
Air inlet size	1/2 in
Max. flow rate	157 L/min
Max. head	84m
Max. air inlet pressure	8.4bar
Main body material	PP

Installation Size



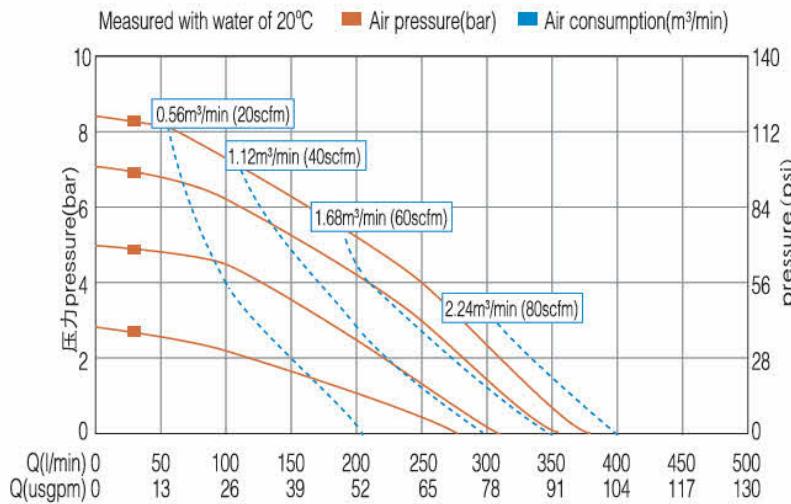
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AIR OPERATED DIAPHRAGM PUMP

DW-40PP



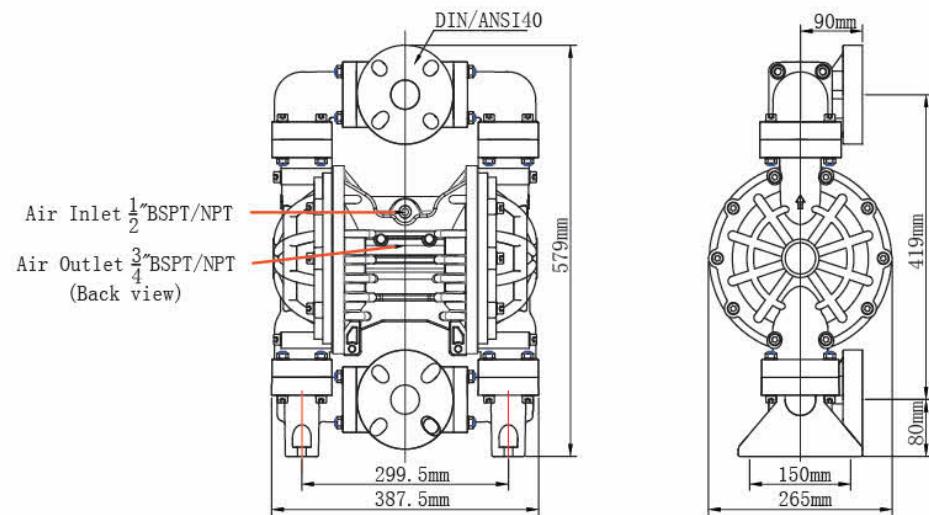
Performance curve



Technical Parameters

Max. Suction Lift	dry 5m wet 8m
Suction height changes with the different combinations of ball, seat and the diaphragm materials.	
Max. particle diameter	5mm
Suction and discharge size	1-1/2 in F
Air inlet size	1/2 in
Max. flow rate	358 L/min
Max. head	84m
Max. air inlet pressure	8.4bar
Max. air consumption	125scfm (3.5m³ /min)
Main body material	PP PVDF

Installation Size



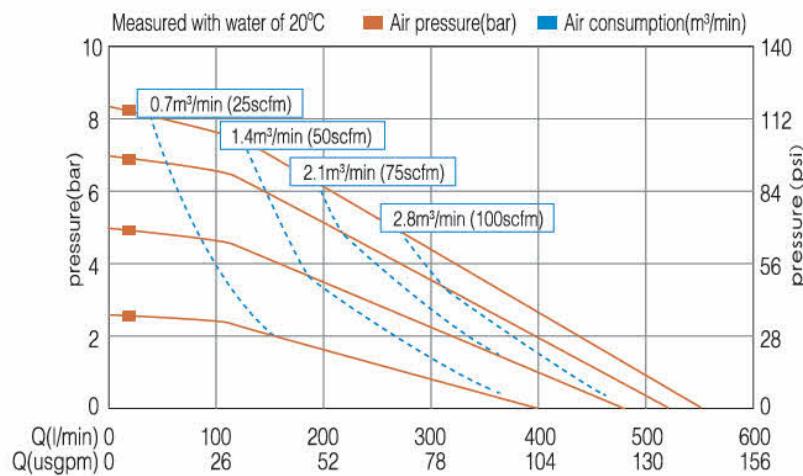
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AIR OPERATED DIAPHRAGM PUMP

DW-50PP



Performance curve



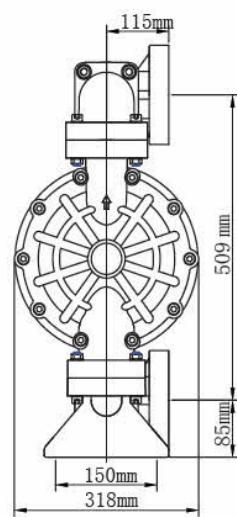
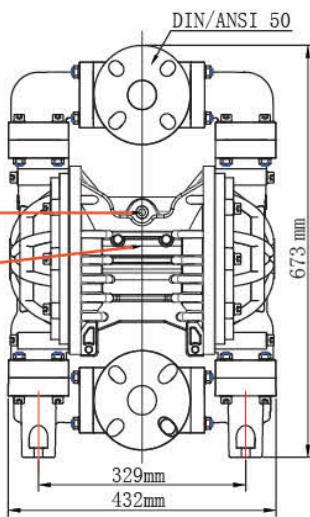
Technical Parameters

Max. Suction Lift	dry 5m wet 8m
Suction height changes with the different combinations of ball, seat and the diaphragm materials.	
Max. particle diameter	6mm
Suction and discharge size	2" Flange
Air inlet size	1/2"
Max. flow rate	587L/min
Max. head	84m
Max. air inlet pressure	8.4bar
Max. air consumption	175scfm (4.9 m³/hr)
Main body material	PP PVDF

Installation Size

PP - 25kg
PVDF - 34kg

Air Inlet $\frac{1}{2}$ "BSPT/NPT
Air Outlet $\frac{3}{4}$ "BSPT/NPT
(Back view)



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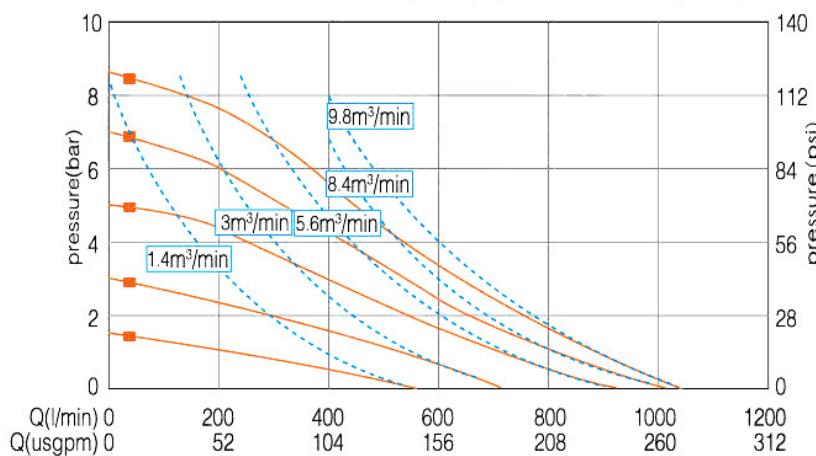
AIR OPERATED DIAPHRAGM PUMP

DW-80PP



Performance curve

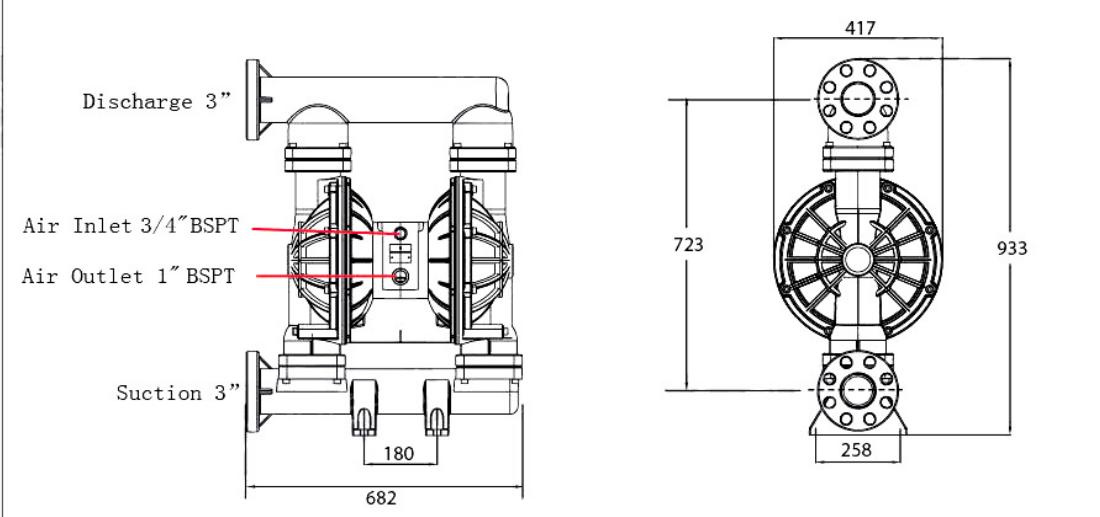
Measured with water of 20°C ■ Air pressure(bar) ■ Air consumption(m³/min)



Technical Parameters

Max. Suction Lift	dry 5m wet 8m
Suction height changes with the different combinations of ball, seat and the diaphragm materials.	
Max. particle diameter	9.4 mm
Suction and discharge size	3"
Air inlet size	3/4"
Max. flow rate	1060 L/min
Max. head	84m
Max. air inlet pressure	8.4bar
Max. air consumption	325 scfm (9.1 m³ /min)
Main body material	PP / PVDF

Installation Size



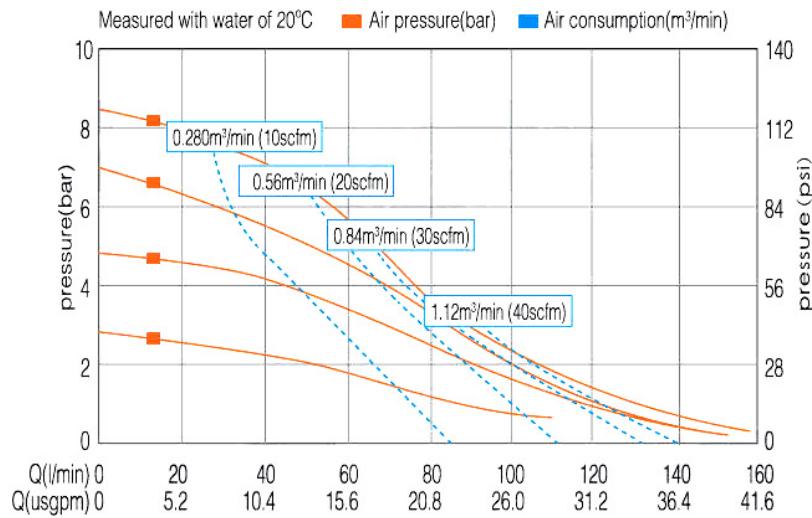
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AIR OPERATED DIAPHRAGM PUMP

DW-25AL



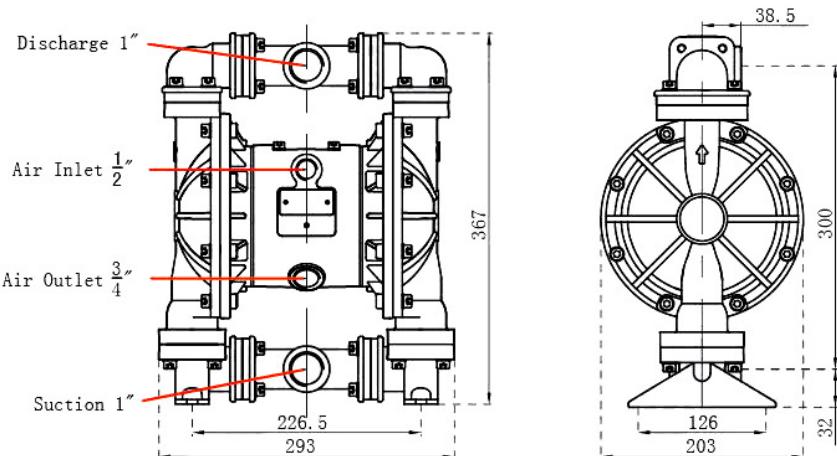
Performance curve



Technical Parameters

Max. Suction Lift	dry 4m wet 8m
Suction height changes with the different combinations of ball, seat and the diaphragm materials.	
Max. particle diameter	4 mm
Suction and discharge size	1 in
Air inlet size	1/2 in
Max. flow rate	157 L/min
Max. head	84m
Max. air inlet pressure	8.4bar
Main body material	Aluminum alloy

Installation Size



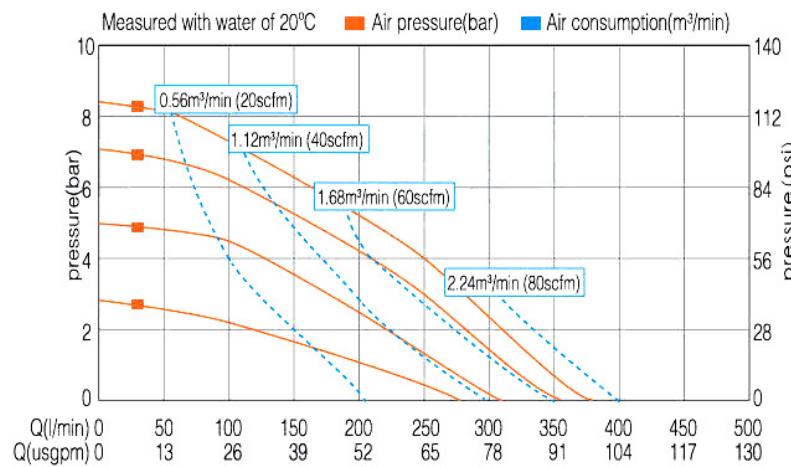
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AIR OPERATED DIAPHRAGM PUMP

DW-40AL



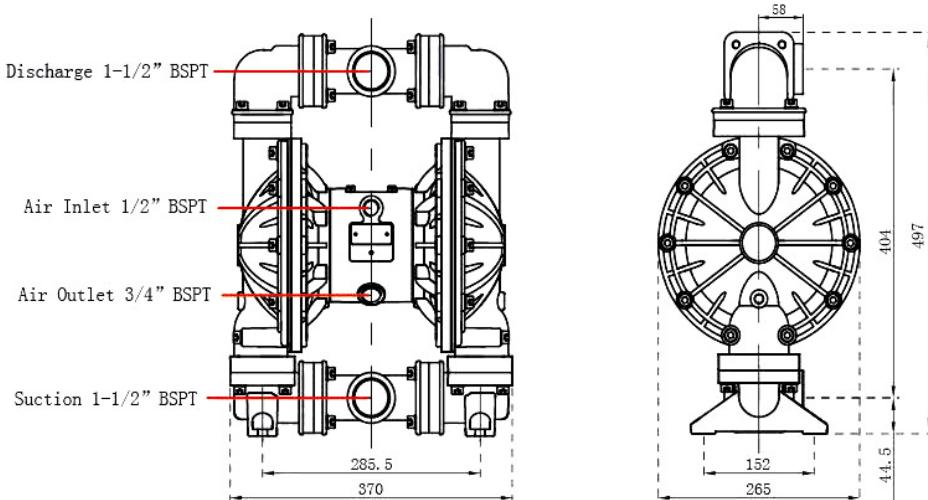
Performance curve



Technical Parameters

Max. Suction Lift	dry 5m wet 8m
Suction height changes with the different combinations of ball, seat and the diaphragm materials.	
Max. particle diameter	5mm
Suction and discharge size	1 $\frac{1}{2}$ in
Air inlet size	1/2in
Max. flow rate	358 L/min
Max. head	84m
Max. air inlet pressure	8.4bar
Max. air consumption	125scfm (3.5m ³ /min)
Main body material	Aluminum alloy

Installation Size



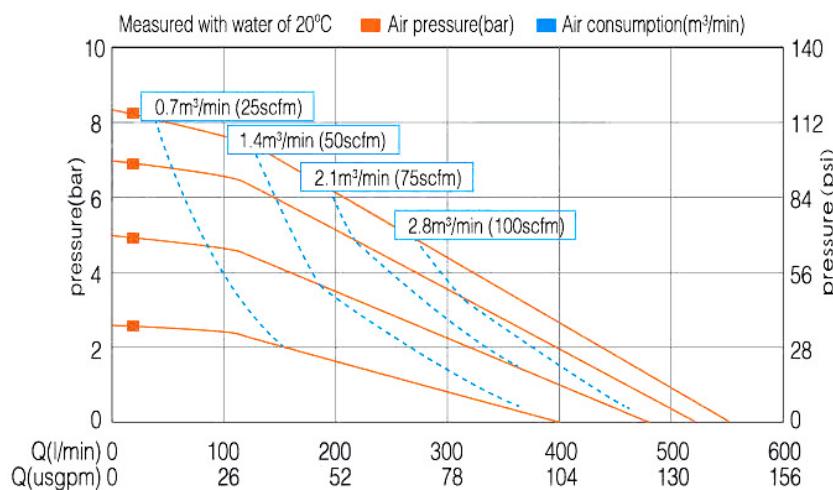
NEUTRONE®

AIR OPERATED DIAPHRAGM PUMP

DW-50AL



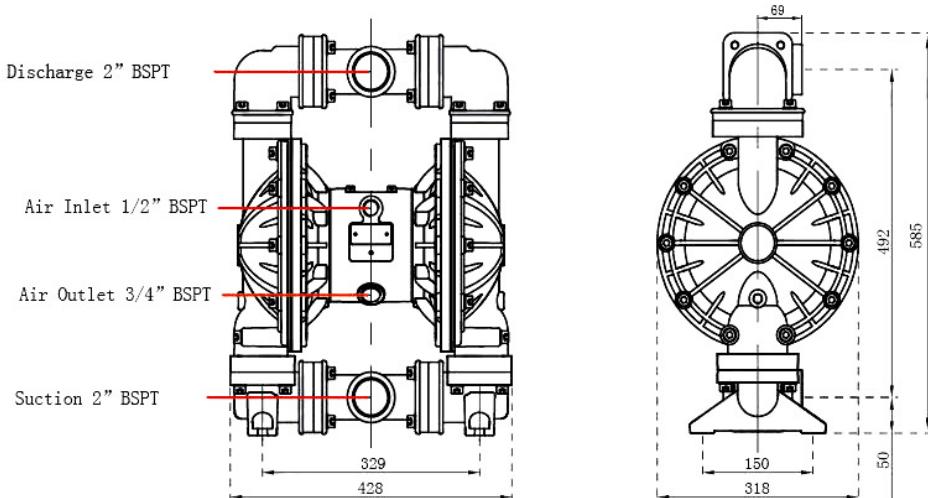
Performance curve



Technical Parameters

Max. Suction Lift	dry 5m wet 8m
Suction height changes with the different combinations of ball, seat and the diaphragm materials.	
Max. particle diameter	6 mm
Suction and discharge size	2 in
Air inlet size	1/2 in
Max. flow rate	587 L/min
Max. head	84m
Max. air inlet pressure	8.4bar
Max. air consumption	175scfm (4.9m ³ /min)
Main body material	Aluminum alloy

Installation Size



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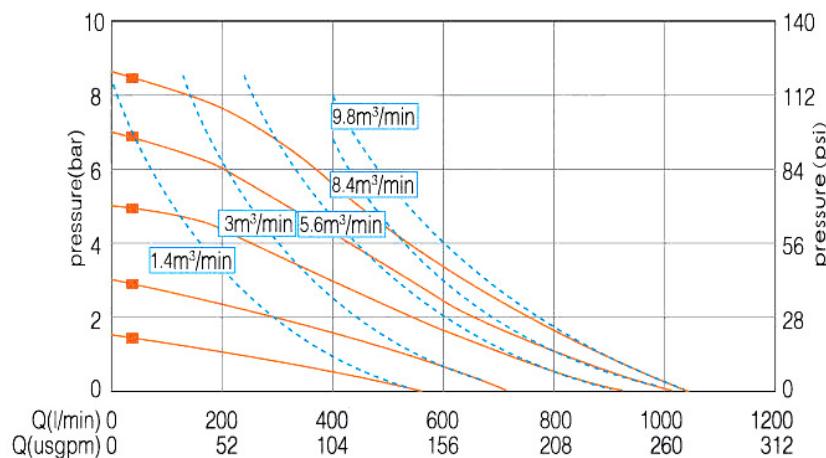
AIR OPERATED DIAPHRAGM PUMP

DW-80AL



Performance curve

Measured with water of 20°C ■ Air pressure(bar) ■ Air consumption(m³/min)



Technical Parameters

Max. Suction Lift	dry 5m wet 8m
Suction height changes with the different combinations of ball, seat and the diaphragm materials.	
Max. particle diameter	9.4 mm
Suction and discharge size	3"
Air inlet size	3/4"
Max. flow rate	1060 L/min
Max. head	84m
Max. air inlet pressure	8.4bar
Max. air consumption	325 scfm (9.1 m ³ /min)
Main body material	Aluminum alloy

Installation Size

