

Air Operated Diaphragm **DIAPHRAGM PUMPS**

ZG SERIES



QINGDAO NUODEAN FLUID EQUIPMENT CO.,LTD



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Company Profile:



QINGDAO NUODEAN FLUID EQUIPMENT CO.,LTD, located in Qingdao City of China, is a professional company engaged in diaphragm pumps development, production, sales and service. Our company has independent intellectual property rights and trademarks.

NUODEAN'S Air Operated Double Diaphragm Pumps include: DP11 Series, WA Series, ZG Series, and DP18 Series.

NUODEAN's DP11 & DP18 Series products are patented products independently developed by our company, which offer great performance: non-stall, less-pulsation, maintenance-free, durable and with large flow. DP11 Series pumps' patented pilot air valve provide a positive, reliable, faster shift signal, and then provides faster pump trip-over with more flow and less pulsation. At the same time, all Nuodean's DP11 Series pumps have applied a dual ceramic air valves system which are wear-resistant, self-lubricating, maintenance-free, long lifetime, and applicable to the harsh environment of air source. So, our DP11 Series offer higher performance.

NUODEAN air operated diaphragm pumps are ideal for general industrial and OEM installation applications. They can easily pump from clean, light viscosity fluids to corrosive, abrasive medium viscosity fluids and can transfer large particles without damage. Due to their pneumatic motor, they could be used in potentially explosive areas.



Some Patents & Trade Marks



Company Photos:



Product Range:

Plastic Pump

- ZG15/20PP(KY)-XX-XX-XX ■ ZG25PP(KY)-XX-XX-XX ■ ZG40PP(KY)-XX-XX-XX ■ ZG50PP(KY)-XX-XX-XX



Aluminum Alloy Pump

- ZG15/20AL-XX-XX-XX ■ ZG25AL-XX-XX-XX ■ ZG40AL-XX-XX-XX ■ ZG50AL-XX-XX-XX



Stainless Steel Pump

- ZG15/20SS(LL)-XX-XX-XX ■ ZG25SS(LL)-XX-XX-XX ■ ZG40SS(LL)-XX-XX-XX ■ ZG50SS(LL)-XX-XX-XX



Application:

Machinery

Oil
Cutting fluid
Quenching Oil
Electroplate liquid
Liquid waste

Electron

Acid
Alkali
Waste water

Coal Mine

Waste water
Water seepage
Slush

Food & medicine

Liquid material
Additive
Condiment

Chemical

Acid
Caustic
Solvent
Paint
Shear sensitive material

Automobile

Oil
Solvent
Paint
Aquaseal
Waste water





Model Descriptions & Ordering:

Model	ZG	X	X	X	X	X
	Product Series	Pump Size	Wetted Parts	Valve seat	Valve ball	Diaphragm Material

Example: ZG50PP-PP-TF-TF (Pump Size is 2", Wetted Parts is PP, Valve seat is PP, Ball valve is PTFE, Diaphragm is PTFE.)

Pump Size	15-1/2"	20-3/4"	25-1"	40-1.5"	50-2"	
Wetted Parts	PP=Polypropylene	AL=Aluminum		SS=304 Stainless Steel		
	LL=316 Stainless Steel	CI=nodular cast iron			KY=PVDF	
Valve seat material	PP=Polypropylene	AL=Aluminum		SP=Santoprene		
	SS=304 Stainless Steel	LL=316 Stainless Steel			KY=PVDF	
Valve ball material	TF=Teflon	SP=Santoprene		SS=304 Stainless Steel		
	LL=316 Stainless Steel	BN=Buna				
Diaphragm material	TF=Teflon	SP=Santoprene		VT=Fluorine rubber		
	PU=polyurethane	BN=Buna				



1/2"&3/4" PLASTIC AIR OPERATED DOUBLE DIAPHRAGM PUMP

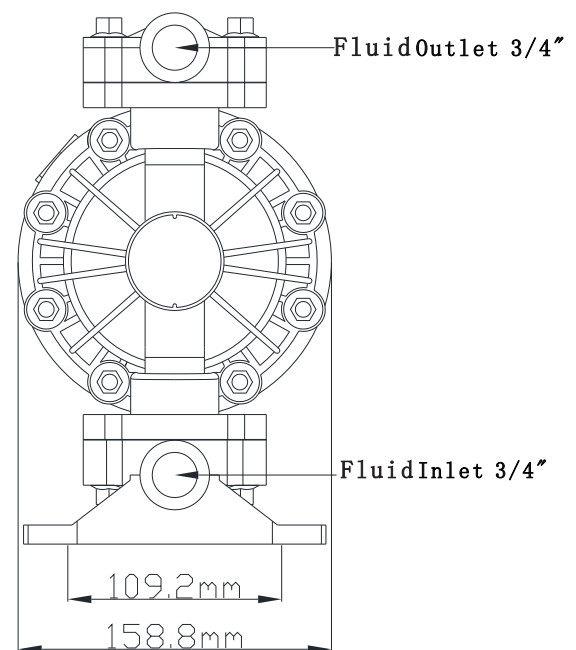
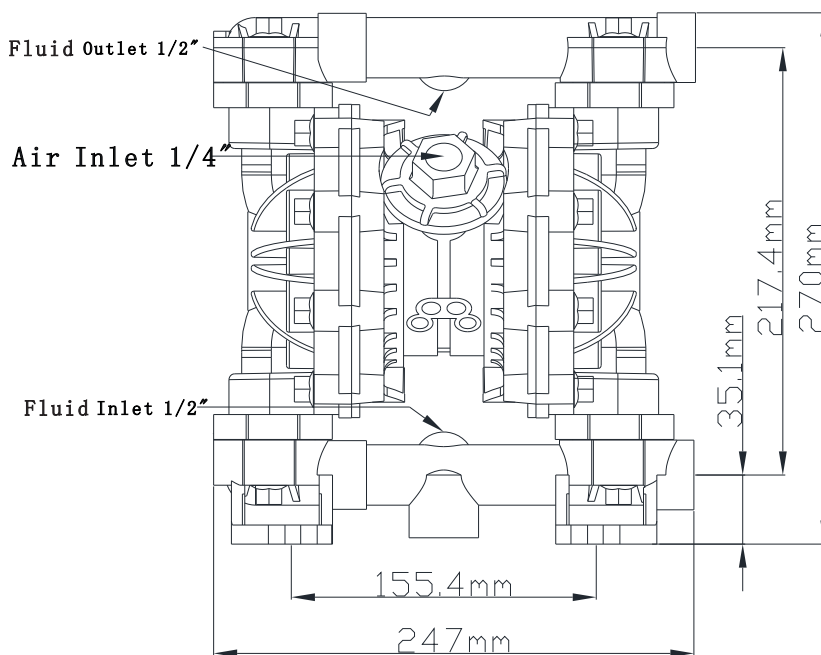
MODEL: ZG15/20PP(KY)-XX-XX-XX

SPECIFICATIONS:

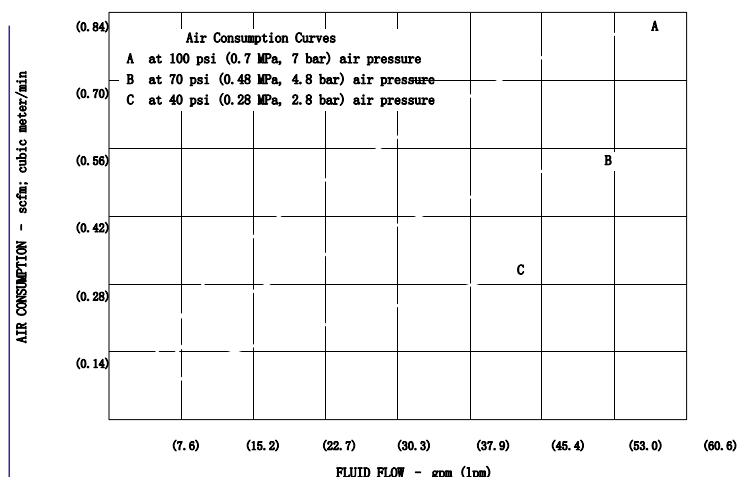
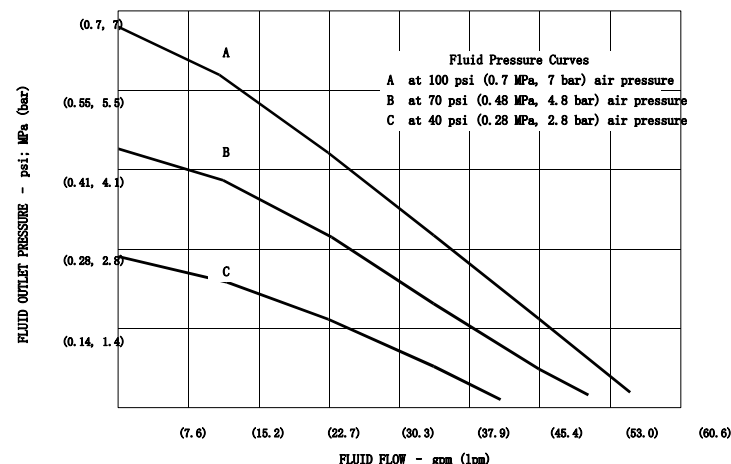
Air Inlet(female): 3/8" BSPT/NPT
Fluid Outlet(female): 1/2" & 3/4" BSPT/NPT
Fluid Inlet(female): 1/2" & 3/4" BSPT/NPT
Maximum Flow Rate: 57LPM
Max. Operating Pressure: 7 bar
Fluid Pressure Range: 1.8-7bar
Suspended Solids Max. Dia.: 2.5mm



DIMENSIONS:



PERFORMANCE CURVE:





1/2"&3/4" ALUMINUM AIR OPERATED DOUBLE DIAPHRAGM PUMP

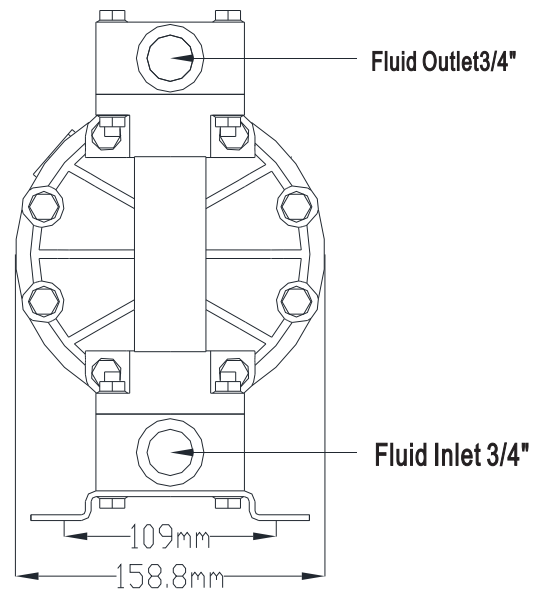
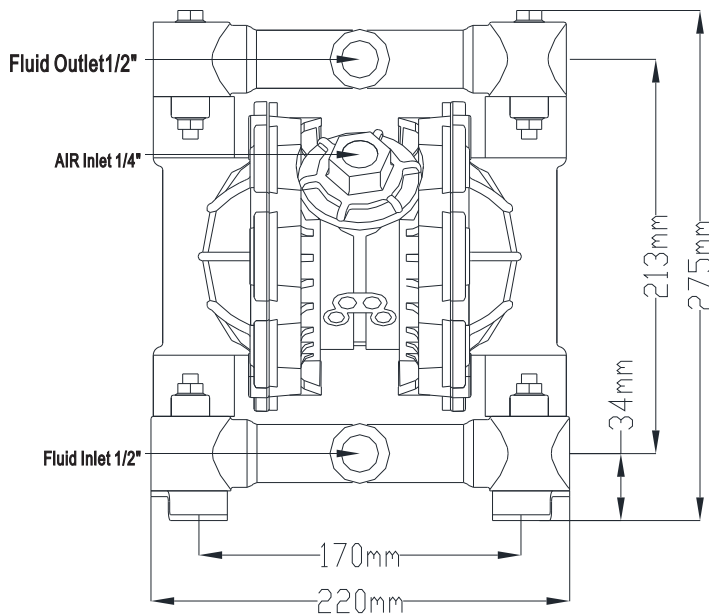
MODEL: ZG15/20AL-XX-XX-XX

SPECIFICATIONS:

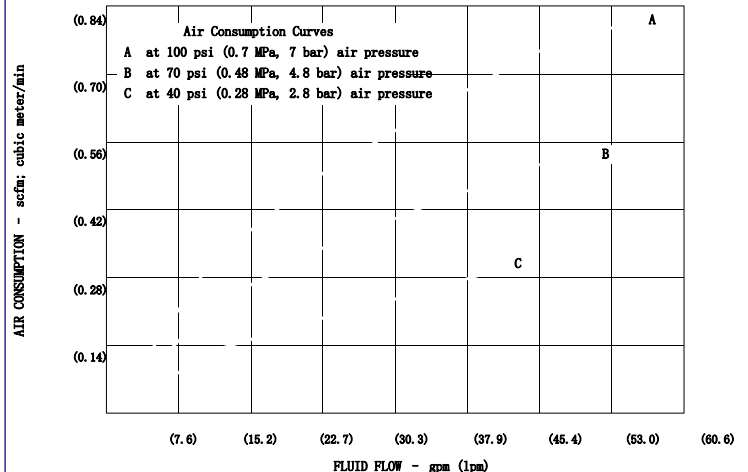
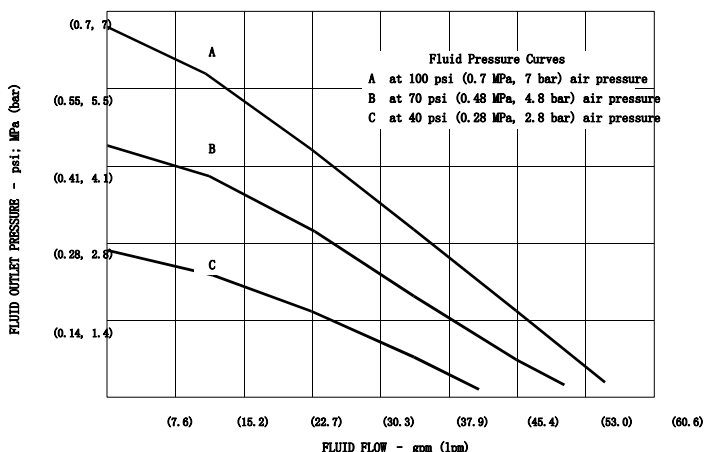
Air Inlet(female): 3/8"BSPT/NPT
Fluid Outlet(female): 1/2" & 3/4" BSPT/NPT
Fluid Inlet(female): 1/2" & 3/4" BSPT/NPT
Maximum Flow Rate: 57LPM
Max. Operating Pressure: 7 bar
Fluid Pressure Range: 1.8-7bar
Suspended Solids Max. Dia.: 2.5mm



DIMENSIONS:



PERFORMANCE CURVE:



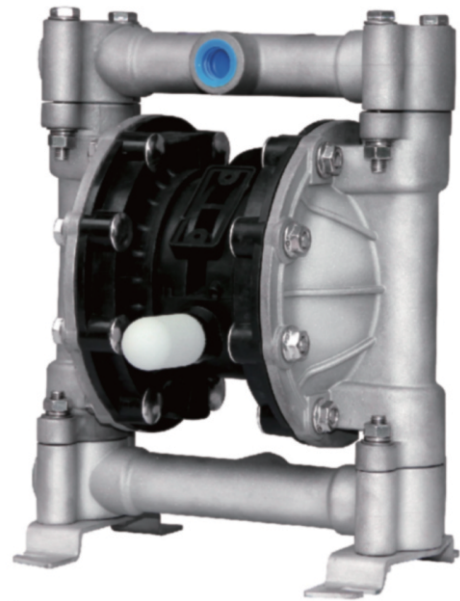


1/2" & 3/4" STAINLESS STEEL AIR OPERATED DOUBLE DIAPHRAGM PUMP

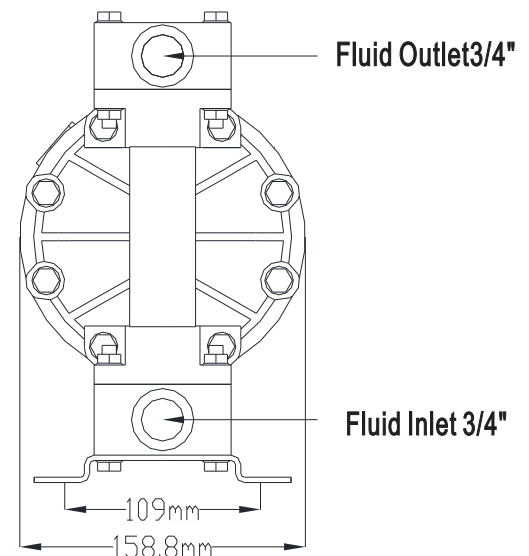
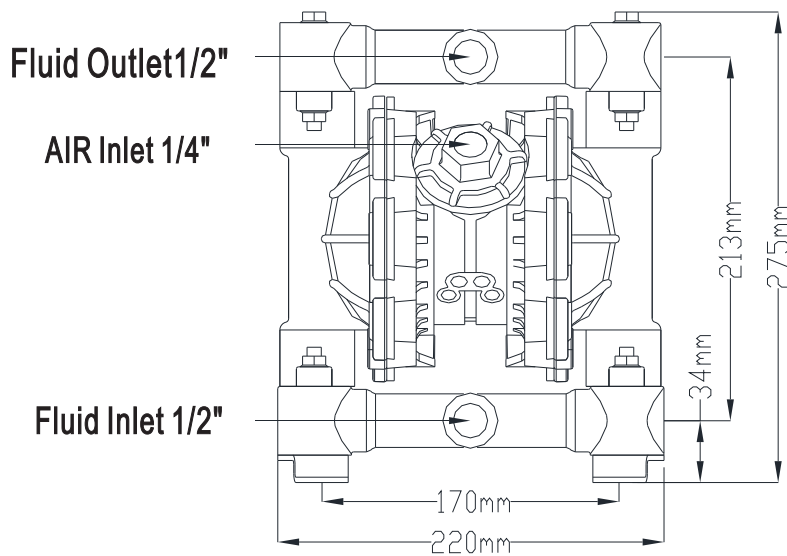
MODEL: ZG15/20SS(LL)-XX-XX-XX

SPECIFICATIONS:

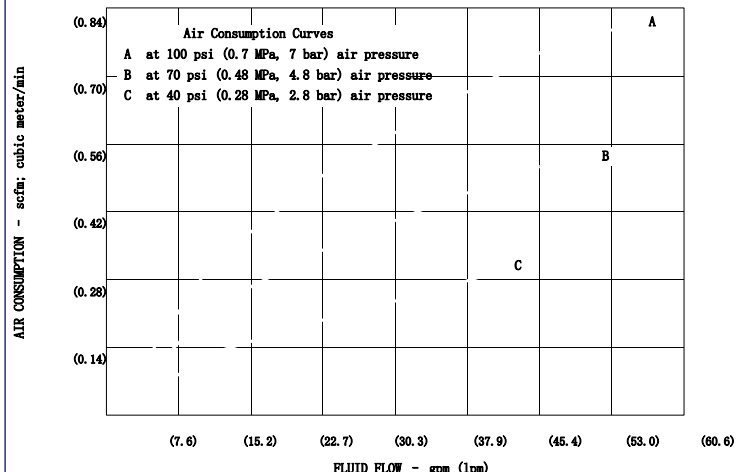
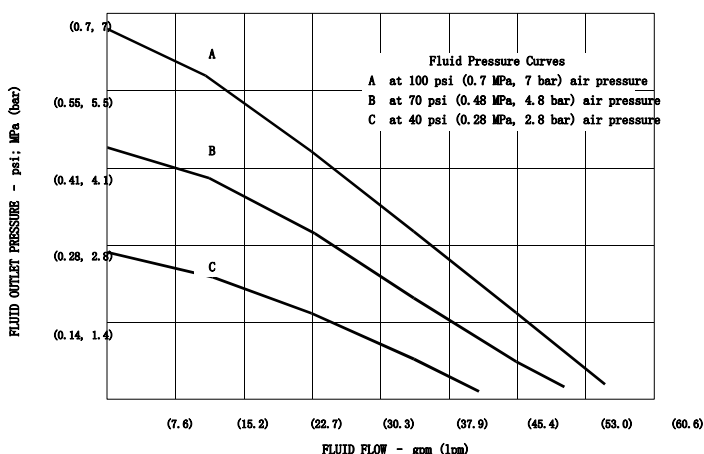
Air Inlet(female): 3/8" BSPT/NPT
Fluid Outlet(female): 1/2" & 3/4" BSPT/NPT
Fluid Inlet(female): 1/2" & 3/4" BSPT/NPT
Maximum Flow Rate: 57LPM
Max. Operating Pressure: 7 bar
Fluid Pressure Range: 1.8-7bar
Suspended Solids Max. Dia.: 2.5mm



DIMENSIONS:



PERFORMANCE CURVE:



1" PLASTIC AIR OPERATED DOUBLE DIAPHRAGM PUMP

MODEL: ZG25PP(KY)-XX-XX-XX

SPECIFICATIONS:

Air Inlet(female): 3/4"BSPT/NPT

Fluid Outlet(female): 1" ANSI/DIN
Flange

Fluid Inlet(female): 1" ANSI/DIN
Flange

Maximum Flow Rate: 150LPM

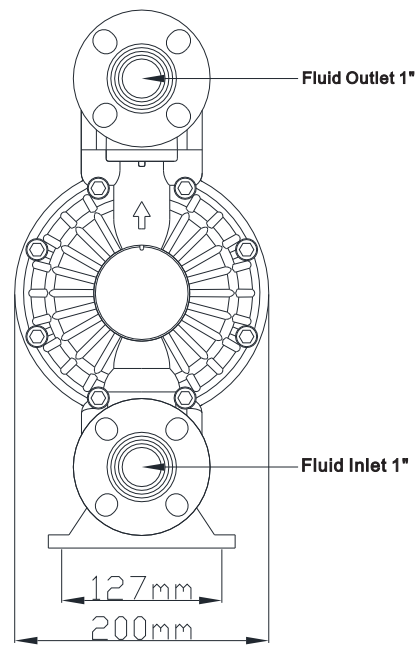
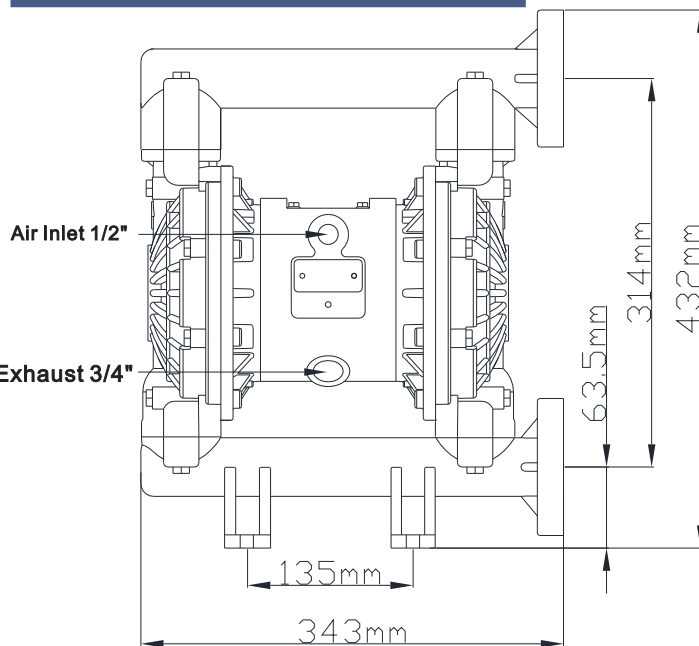
Max. Operating Pressure: 8.4bar

Fluid Pressure Range: 1.4-8.4bar

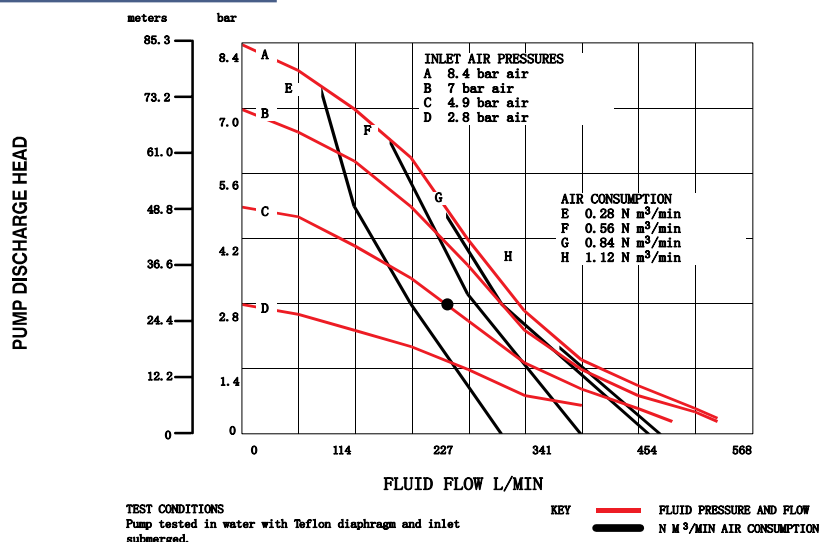
Suspended Solids Max. Dia.: 3.2mm



DIMENSIONS:



PERFORMANCE CURVE:



1" ALUMINUM AIR OPERATED DOUBLE DIAPHRAGM PUMP

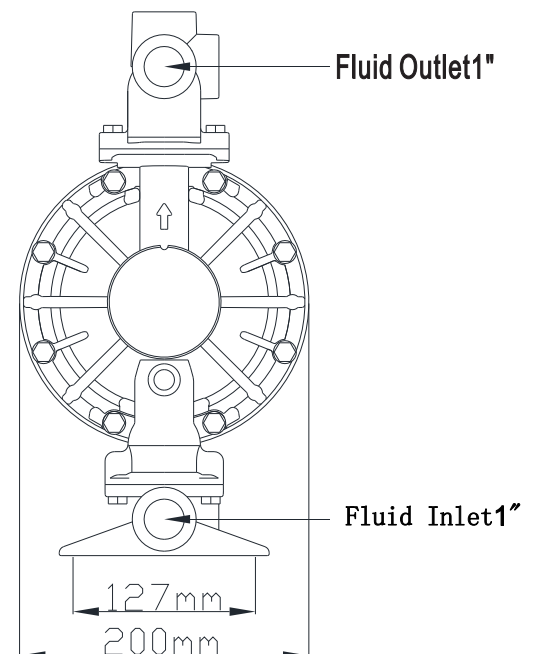
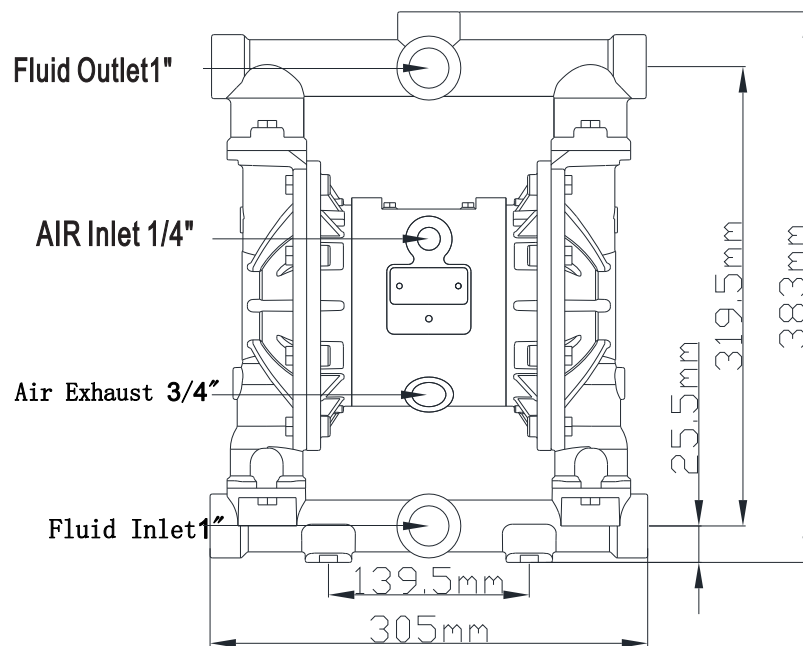
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SPECIFICATIONS:

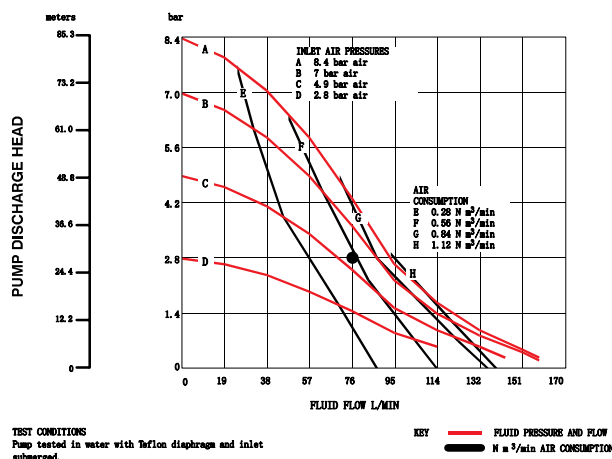
Air Inlet(female): 3/4"BSPT/NPT
Fluid Outlet(female): 1" BSPT/NPT
Fluid Inlet(female): 1" BSPT/NPT
Maximum Flow Rate: 150LPM
Max. Operating Pressure: 8.4bar
Fluid Pressure Range: 1.4-8.4bar
Suspended Solids Max. Dia.: 3.2mm



DIMENSIONS:



PERFORMANCE CURVE:



1" STAINLESS STEEL AIR OPERATED DOUBLE DIAPHRAGM PUMP

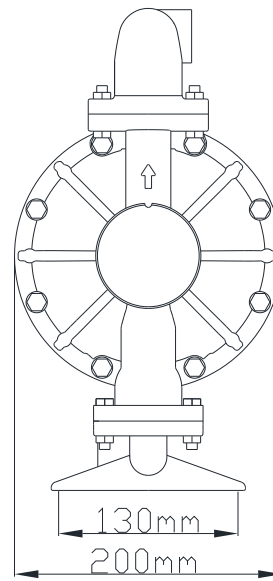
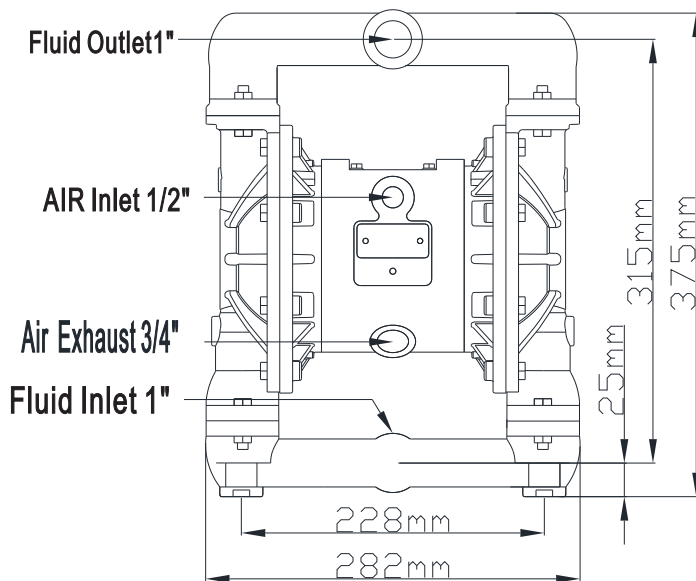
MODEL: ZG25SS(LL)-XX-XX-XX

SPECIFICATIONS:

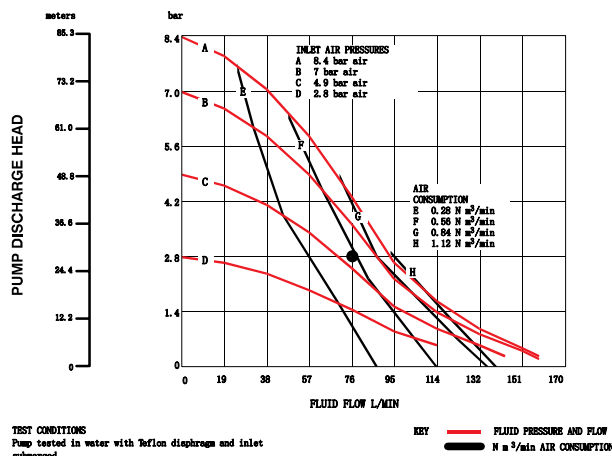
Air Inlet(female): 3/4"BSPT/NPT
Fluid Outlet(female): 1" BSPT/NPT
Fluid Inlet(female): 1" BSPT/NPT
Maximum Flow Rate: 150LPM
Max. Operating Pressure: 8.4bar
Fluid Pressure Range: 1.4-8.4bar
Suspended Solids Max. Dia.: 3.2mm



DIMENSIONS:



PERFORMANCE CURVE:



1.5" PLASTIC AIR OPERATED DOUBLE DIAPHRAGM PUMP

MODEL: ZG40PP(KY)-XX-XX-XX

SPECIFICATIONS:

Air Inlet(female): 3/4"BSPT/NPT

Fluid Outlet(female): 1.5" ANSI/DIN
Flange

Fluid Inlet(female): 1.5" ANSI/DIN
Flange

Maximum Flow Rate: 378LPM

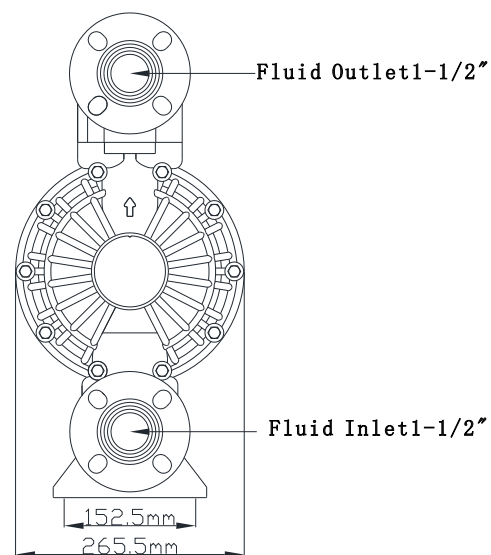
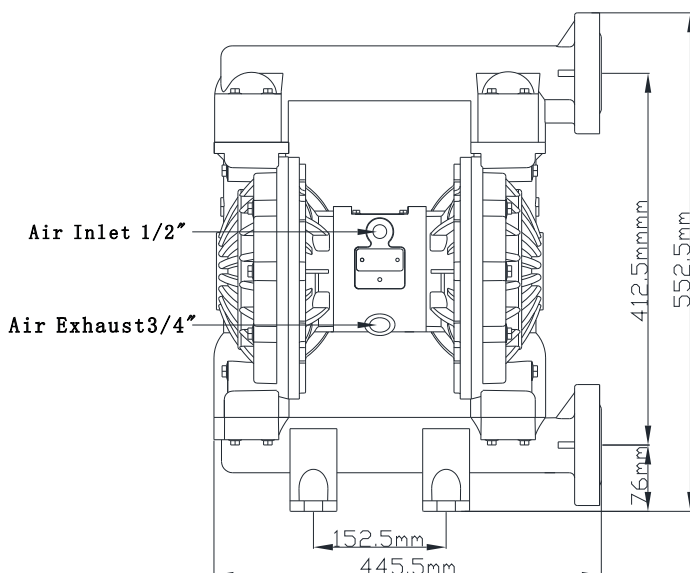
Max. Operating Pressure: 8.4bar

Fluid Pressure Range: 1.4-8.4bar

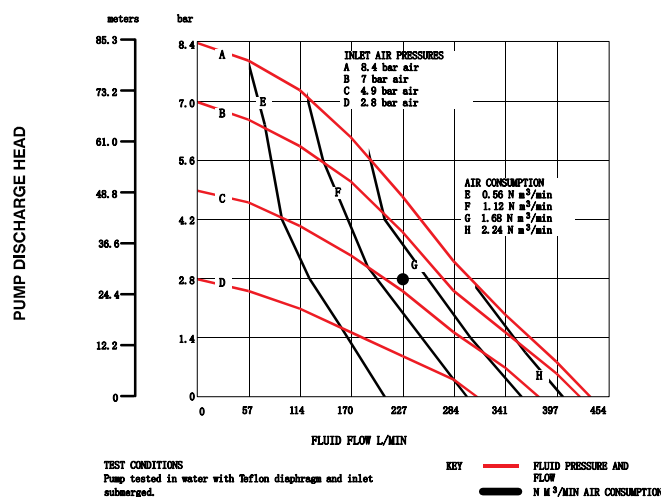
Suspended Solids Max. Dia.: 4.8mm



DIMENSIONS:



PERFORMANCE CURVE:



1.5" ALUMINUM AIR OPERATED DOUBLE DIAPHRAGM PUMP

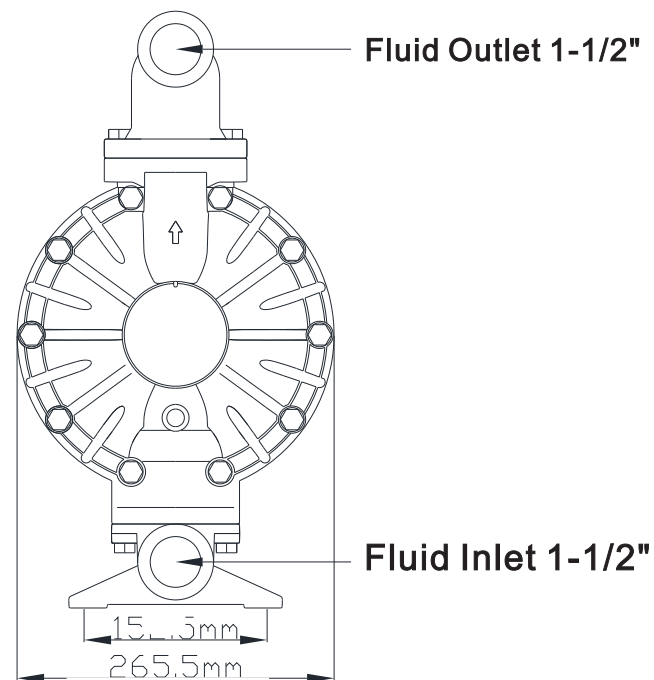
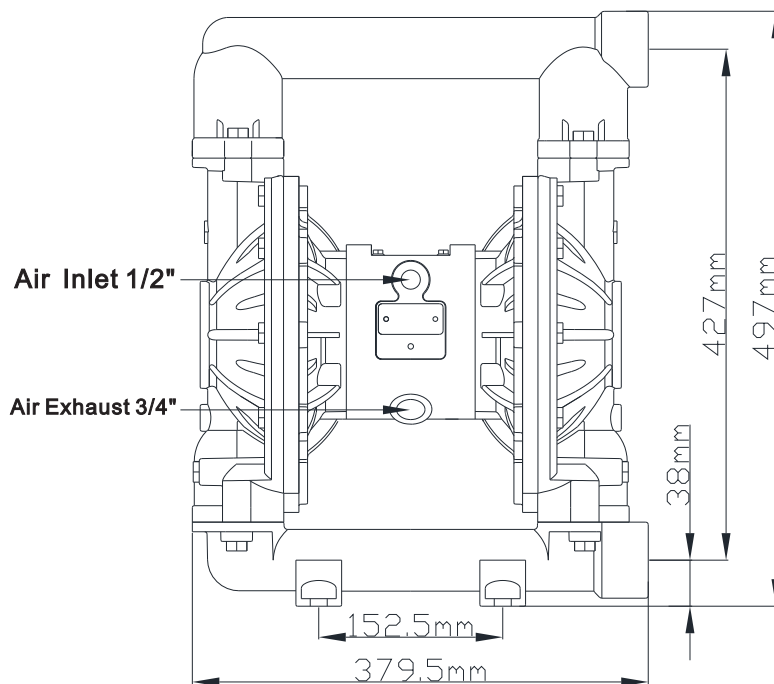
MODEL: ZG40AL-XX-XX-XX

SPECIFICATIONS:

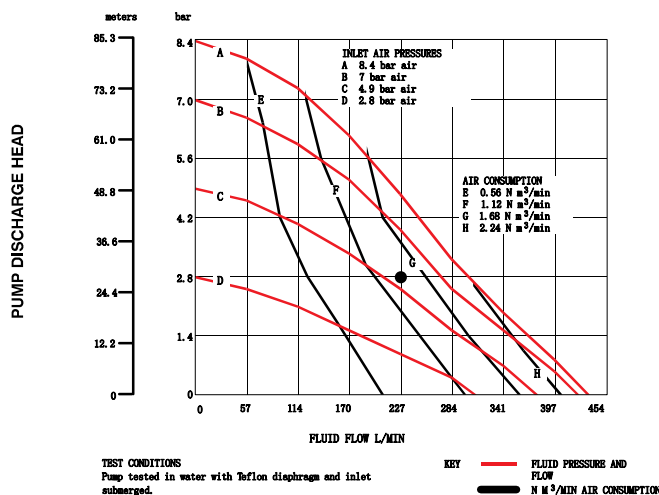
Air Inlet(female): 3/4"BSPT/NPT
Fluid Outlet(female): 1.5" BSPT/NPT
Fluid Inlet(female): 1.5" BSPT/NPT
Maximum Flow Rate: 378LPM
Max. Operating Pressure: 8.4bar
Fluid Pressure Range: 1.4-8.4bar
Suspended Solids Max. Dia.: 4.8mm



DIMENSIONS:



PERFORMANCE CURVE:



1.5" STAINLESS STEEL AIR OPERATED DOUBLE DIAPHRAGM PUMP

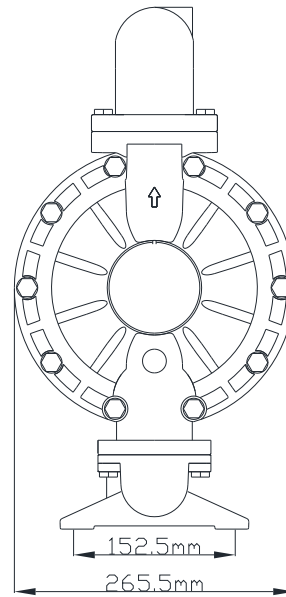
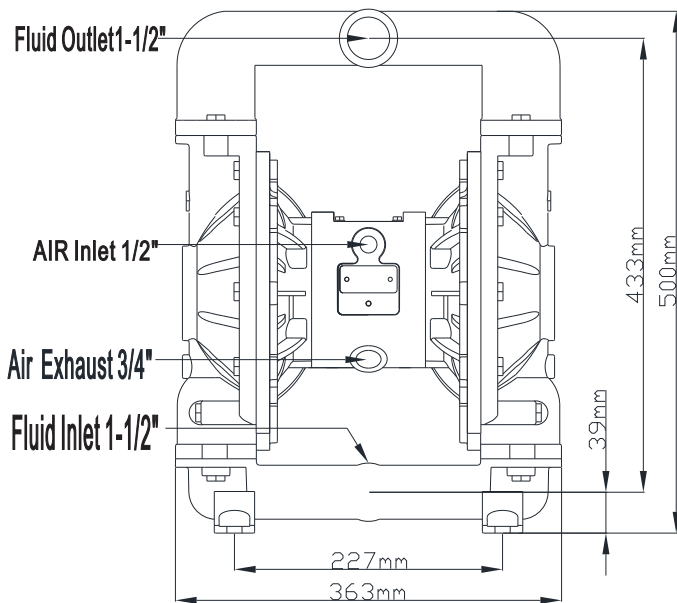
MODEL: ZG40SS(LL)-XX-XX-XX

SPECIFICATIONS:

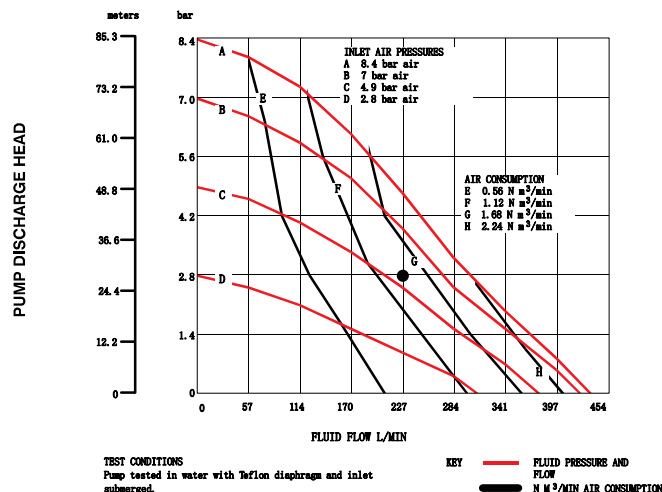
Air Inlet(female): 3/4"BSPT/NPT
Fluid Outlet(female): 1.5" BSPT/NPT
Fluid Inlet(female): 1.5" BSPT/NPT
Maximum Flow Rate: 378LPM
Max. Operating Pressure: 8.4bar
Fluid Pressure Range: 1.4-8.4bar
Suspended Solids Max. Dia.: 4.8mm



DIMENSIONS:



PERFORMANCE CURVE:



2" PLASTIC AIR OPERATED DOUBLE DIAPHRAGM PUMP

MODEL: ZG50PP(KY)-XX-XX-XX

SPECIFICATIONS:

Air Inlet(female): 3/4"BSPT/NPT

Fluid Outlet(female): 2" ANSI/DIN
Flange

Fluid Inlet(female): 2" ANSI/DIN
Flange

Maximum Flow Rate: 568LPM

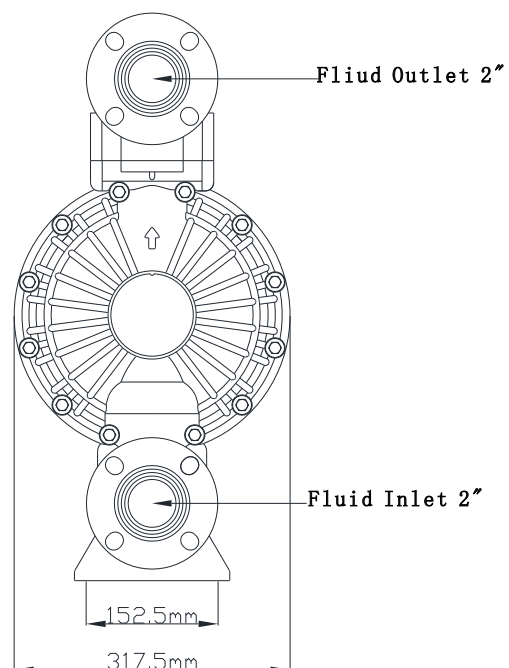
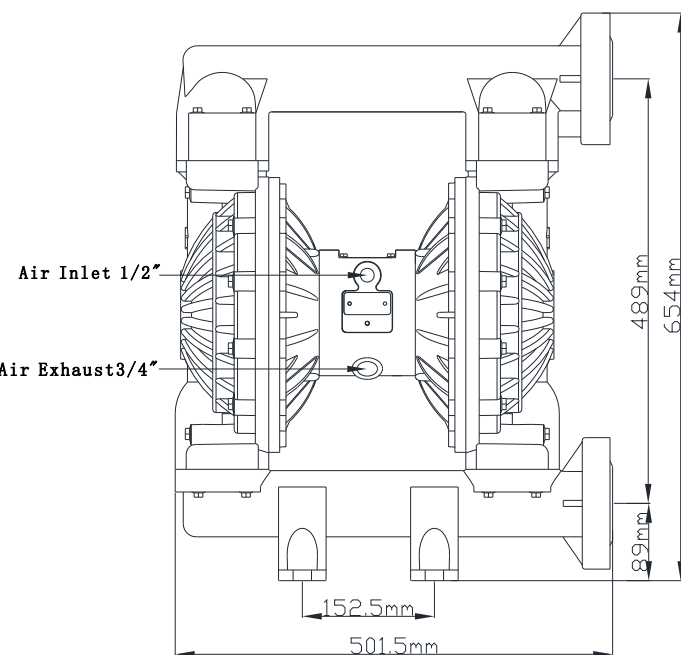
Max. Operating Pressure: 8.4bar

Fluid Pressure Range: 1.4-8.4bar

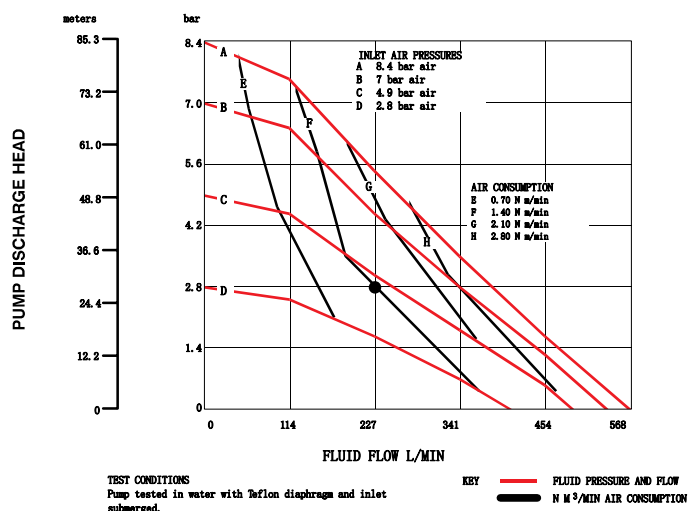
Suspended Solids Max. Dia.: 6.3mm



DIMENSIONS:



PERFORMANCE CURVE:



2" ALUMINUM AIR OPERATED DOUBLE DIAPHRAGM PUMP

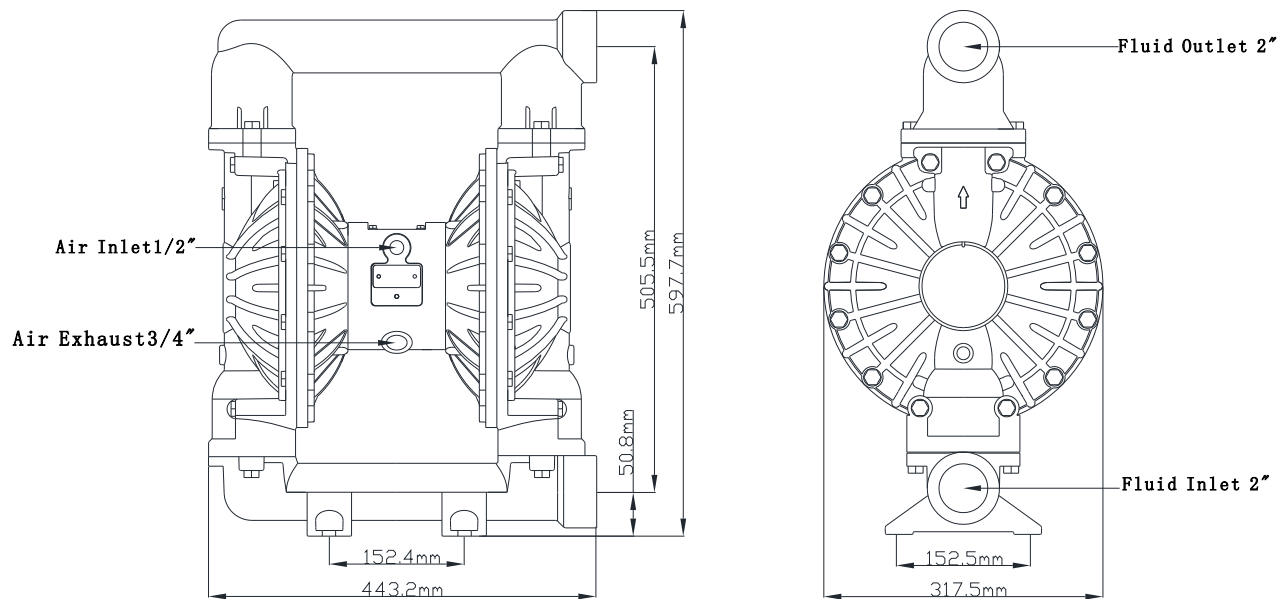
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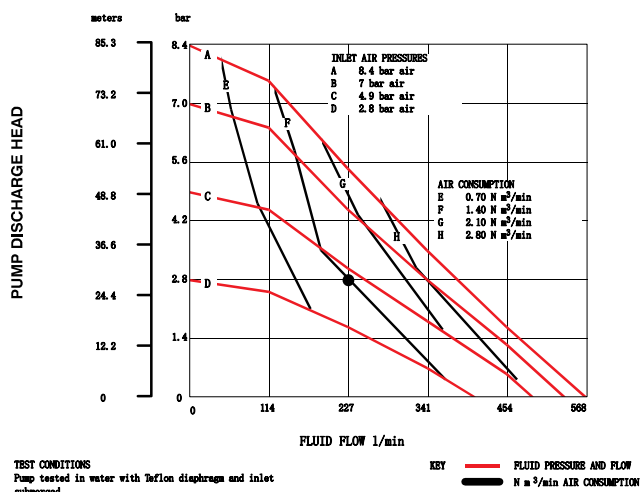
Air Inlet(female): 3/4"BSPT/NPT
Fluid Outlet(female): 2" BSPT/NPT
Fluid Inlet(female): 2" BSPT/NPT
Maximum Flow Rate: 568LPM
Max. Operating Pressure: 8.4bar
Fluid Pressure Range: 1.4-8.4bar
Suspended Solids Max. Dia.: 6.3mm



DIMENSIONS:



PERFORMANCE CURVE:



2" STAINLESS STEEL AIR OPERATED DOUBLE DIAPHRAGM PUMP

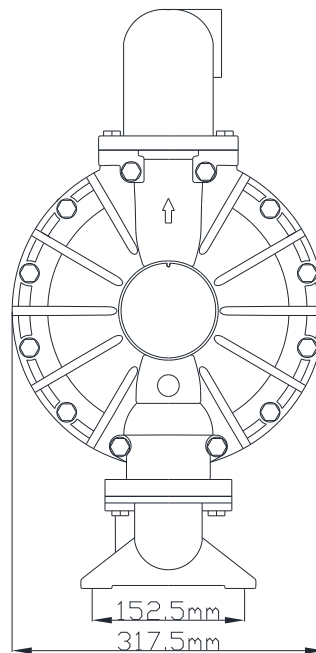
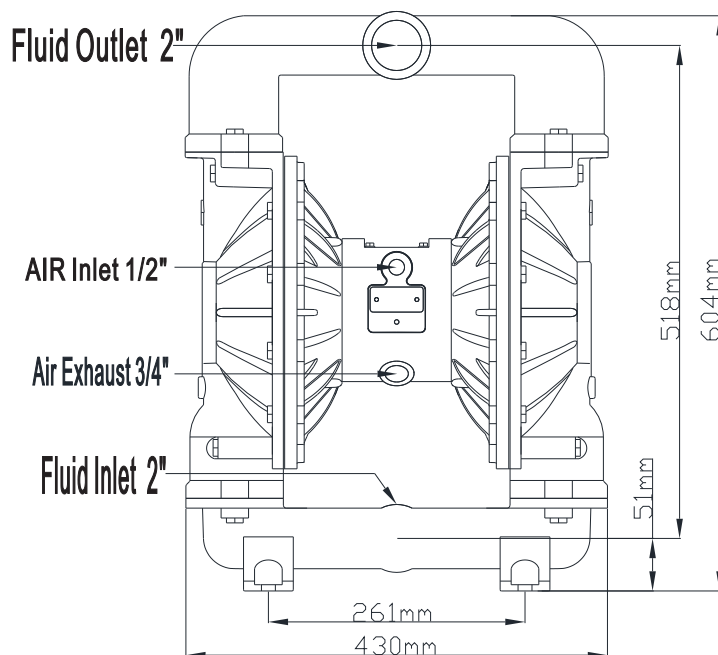
MODEL: ZG50SS(LL)-XX-XX-XX

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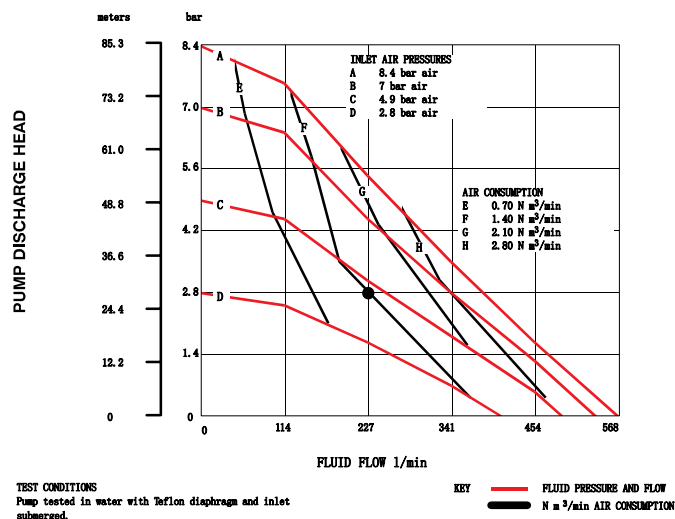
Air Inlet(female): 3/4"BSPT/NPT
Fluid Outlet(female): 2" BSPT/NPT
Fluid Inlet(female): 2" BSPT/NPT
Maximum Flow Rate: 568LPM
Max. Operating Pressure: 8.4bar
Fluid Pressure Range: 1.4-8.4bar
Suspended Solids Max. Dia.: 6.3mm

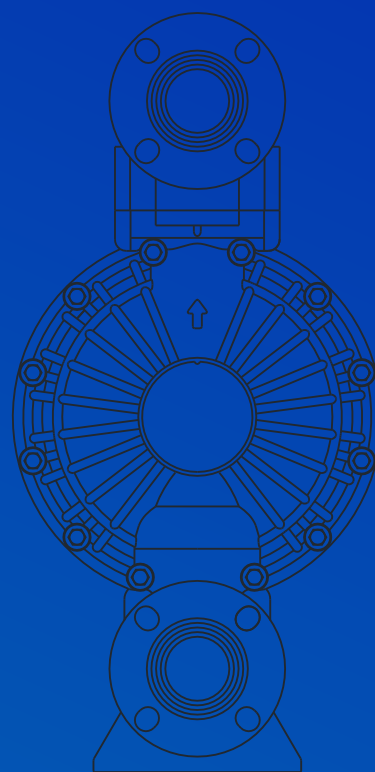
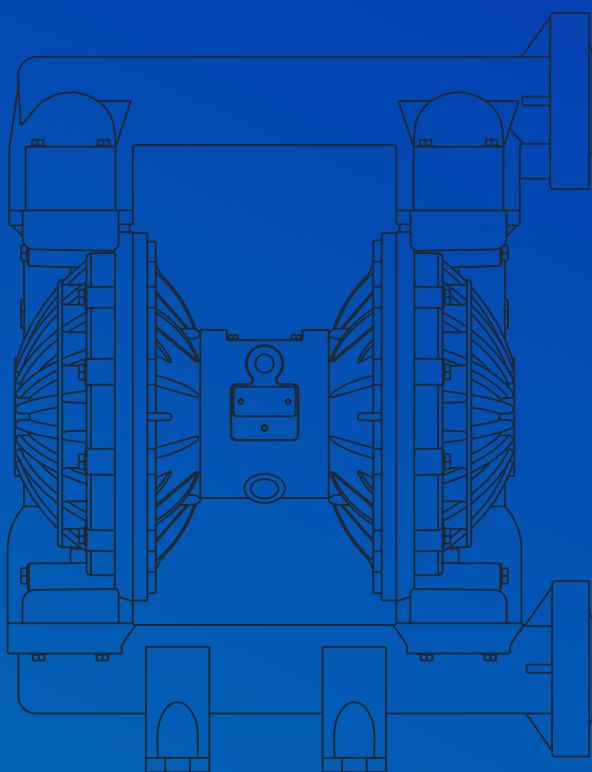


DIMENSIONS:



PERFORMANCE CURVE:





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