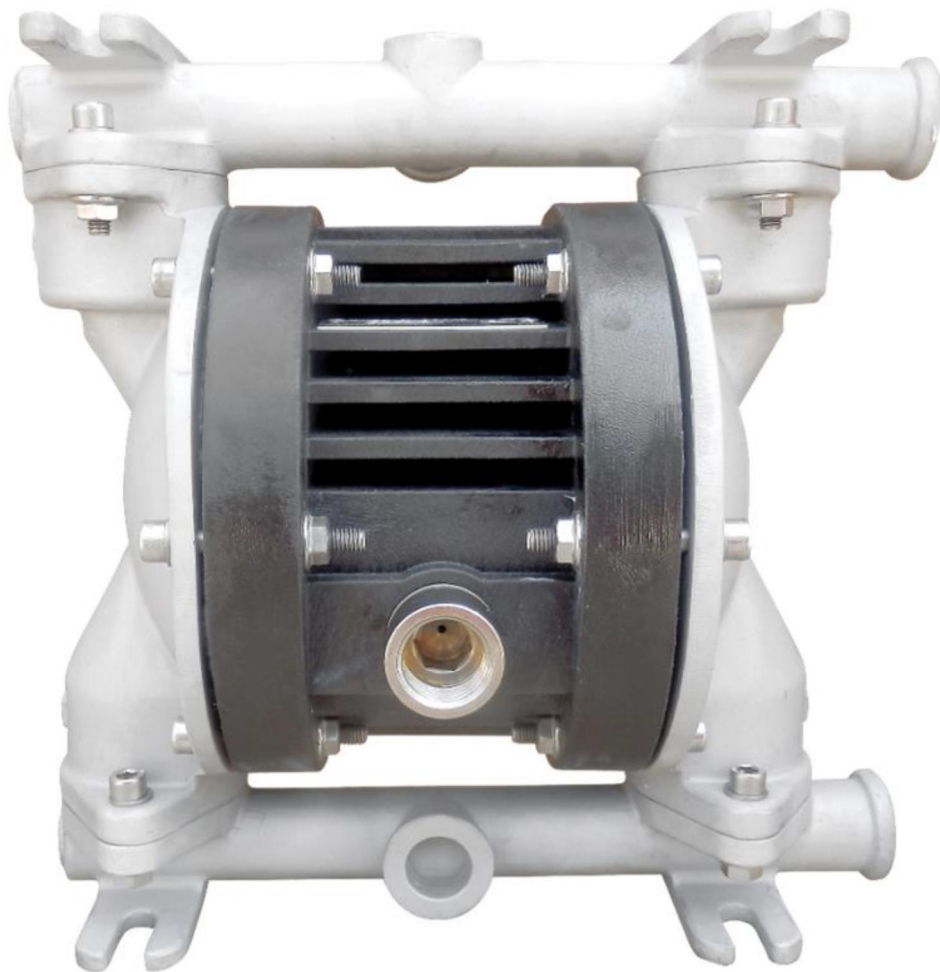


# NEW DOUBLE DIAPHRAGM PUMPS - HAOD SERIES



 **GemmeCotti**  
EUROPEAN PUMPS



# GemmeCotti's double diaphragm pumps – HAOD series

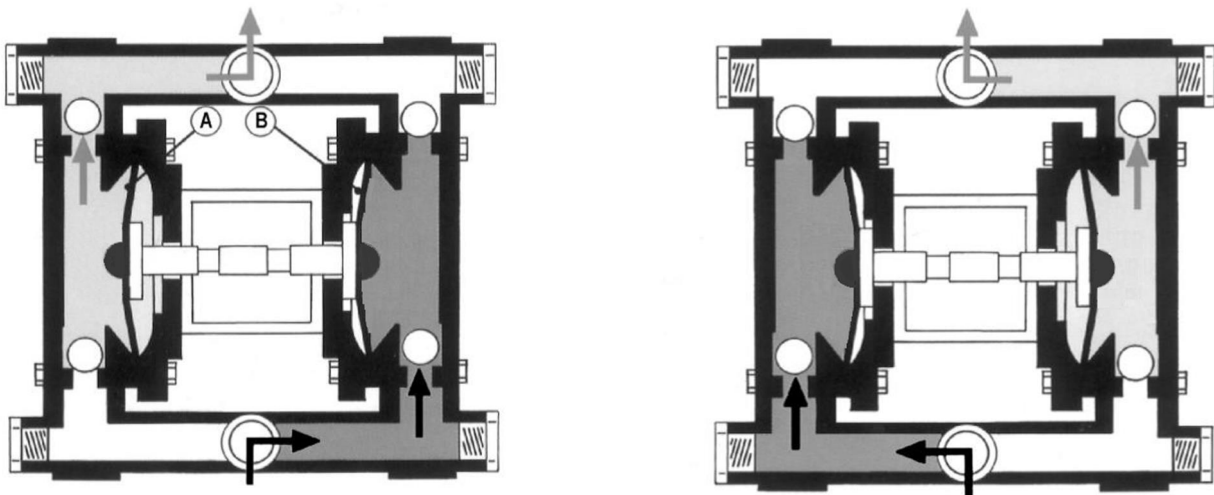
The new line of HAOD double diaphragm pumps is suitable to pump aggressive liquids, even with very high viscosity and solids in suspension. They are built with an anti-stalling pneumatic circuit that ensures the highest possible level of security and efficiency and doesn't require lubricated air. HAOD series pumps are available in several materials and dimensions and can function in potentially explosive atmospheres.



## Main features

- ~ Available in PP, PVDF and AISI316
- ~ Suitable for high viscosity fluids and solids in suspension
- ~ Suitable for corrosive atmospheres
- ~ Suitable for potentially explosive atmospheres in their ATEX II 3G version (zone 2) IIB T135°C
- ~ New generation PTFE diaphragms with embodied in/out piston
- ~ Ecological design ensuring a reduction of air consumption
- ~ Manufactured with anti-stalling circuit and ice barrier protectives to keep performances unaltered over time
- ~ Individually tested before shipment
- ~ Easy disassembling and re-assembling
- ~ Automatic suction and potential to be submersible
- ~ Can function even if dry-running

# How they work



**Phase 1** ð The air applied to the back side of diaphragm **A** pushes the fluid towards discharge. It simultaneously pulls diaphragm **B** with the shaft, thus producing a vacuum effect on the suction end.

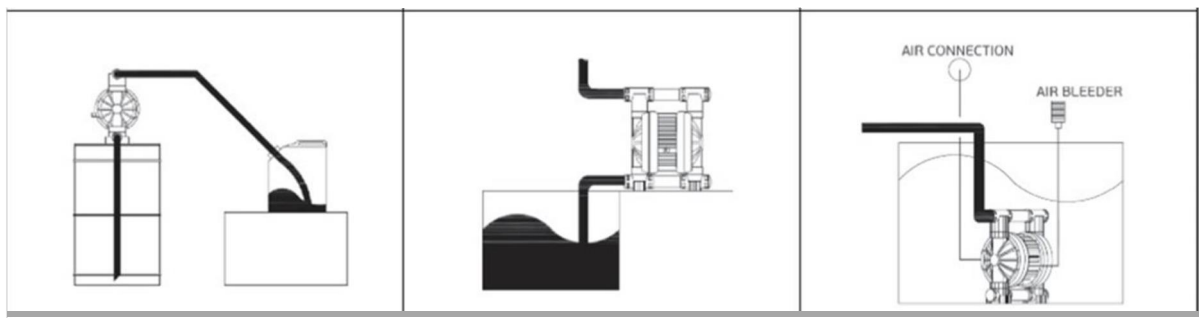
**Phase 2** ð Once the first cycle is over, an inverted pumping cycle begins.

# Applications

**DRUM TRANSFER**

**SELF PRIMING**

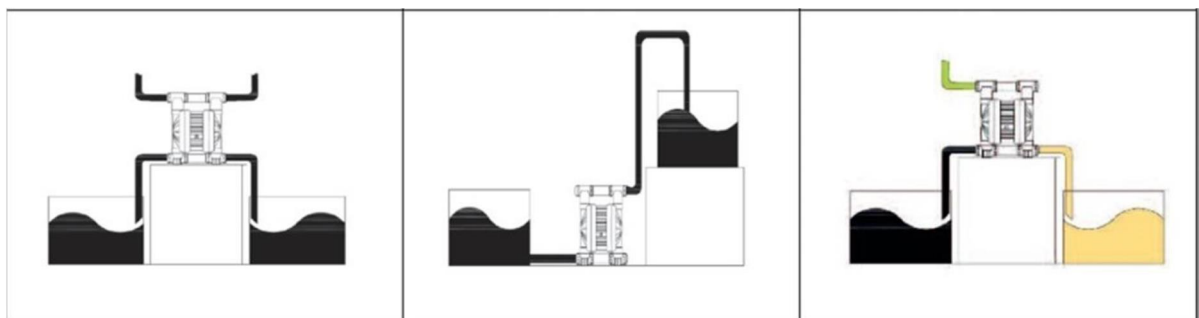
**IMMERSED**



**TWIN SUCTION AND DELIVERY MAINFOLD**

**POSITIVE SUCTION HEAD**

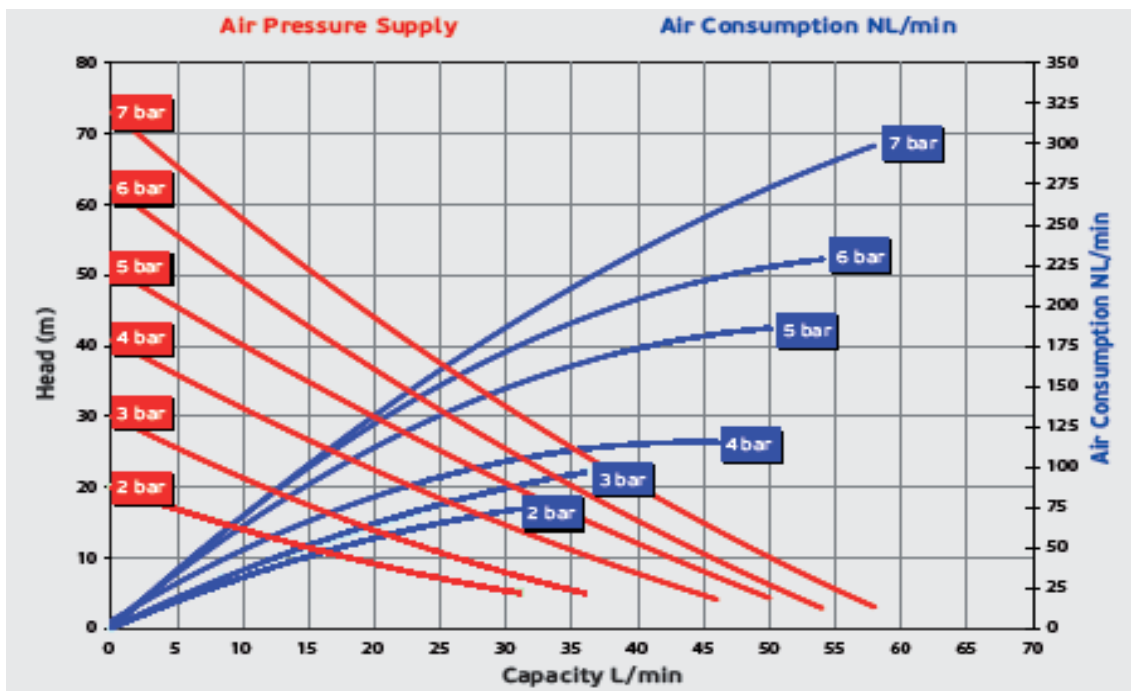
**TWIN SUCTION MAINFOLD**



# HAOD 55

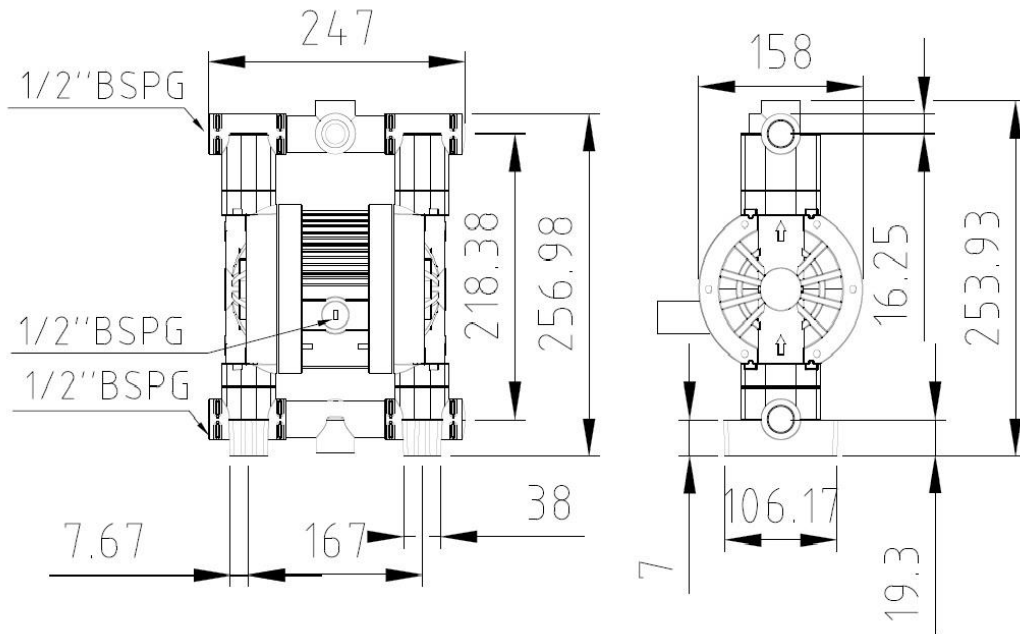


Construction materials	PP, PVDF, AISI 316
Diaphragm	PTFE with Conductive EPDM (compound)
Intake/delivery connections	G ½"
Air connection	½"
*Max self-priming capacity	4 m
*Max flow	58 L/m
Max head	70 m
Max air supply pressure	7 bar
Max dimensions of solids in suspension (diameter)	3,0 mm
Max operating temperature	PP 60°C, PVDF 95°C, AISI 316 95°C
Weight PP	4,0 kg
Weight PVDF	5,5 kg
Weight AISI	9,0 kg

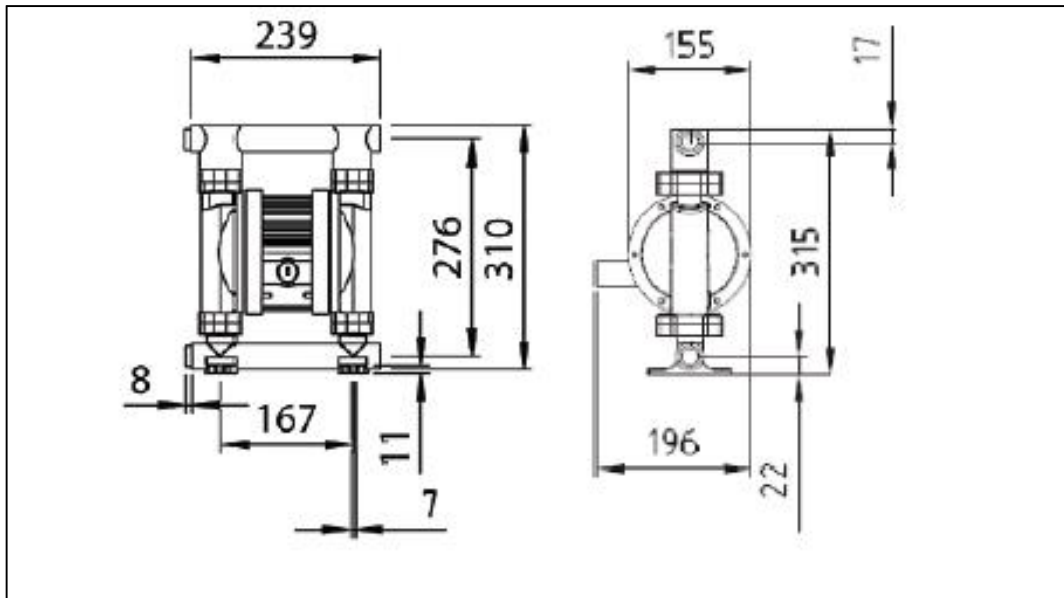


\* The curves and performance values refer to pumps with submerged suction and a free delivery outlet with water at 20°C, and vary according to the construction material.

### DIMENSIONS PP/PVDF VERSIONS



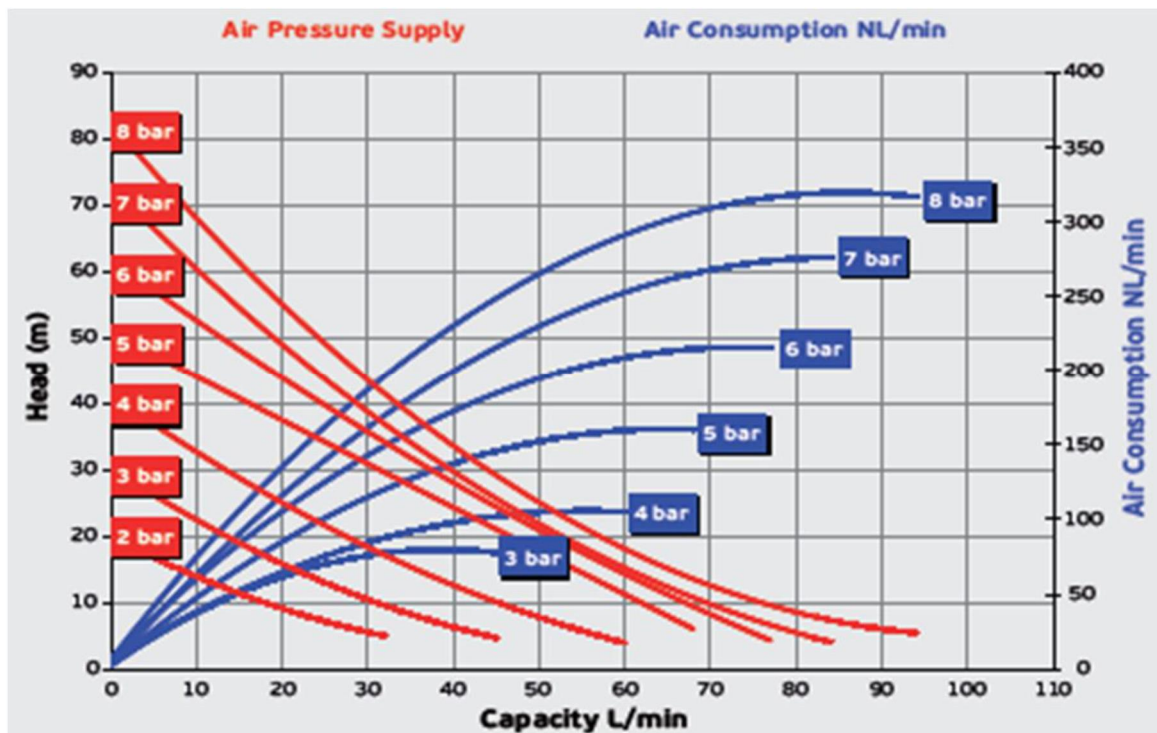
### DIMENSIONS METALLIC VERSION



# HAOD 100

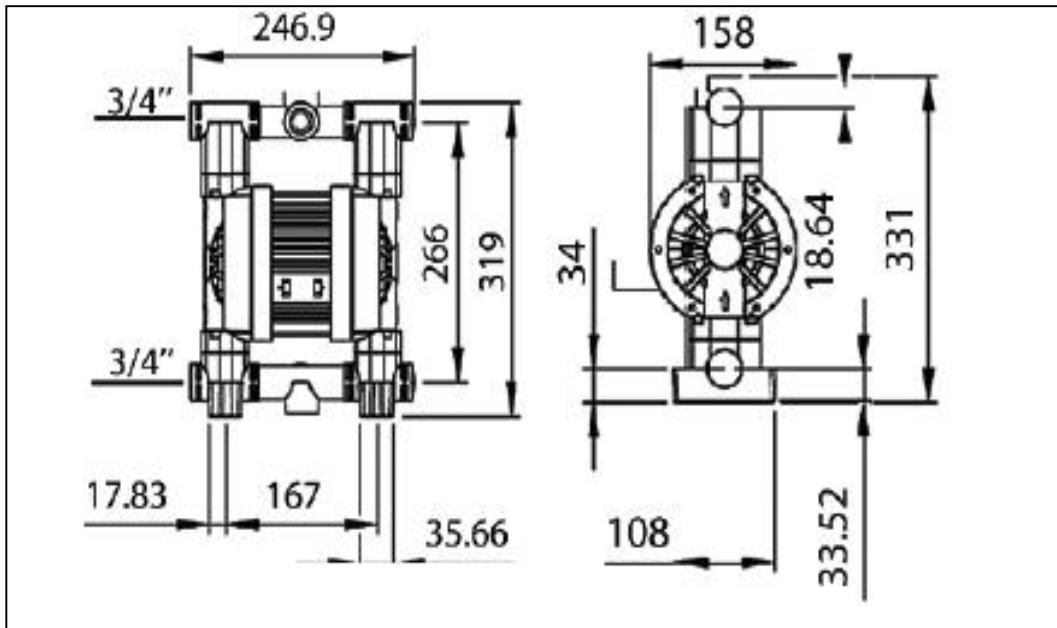


Construction material	PP, PVDF
Diaphragms	PTFE with Conductive EPDM (compound)
Intake/delivery connections	G 3/4"
Air connection	1/2"
*Max self-priming capacity	4 m
*Max flow	95 L/m
Max head	80 m
Max air supply pressure	8 bar
Max dimensions of solids in suspension (diameter)	3,0 mm
Max operating temperature	PP 60°C, PVDF 95°C
Weight PP	4,0 kg
Weight PVDF	5,5 kg



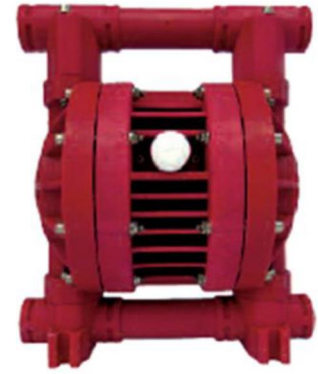
\*The curves and performance values refer to pumps with submerged suction and a free delivery outlet with water at 20°C, and vary according to the construction material.

### DIMENSIONS

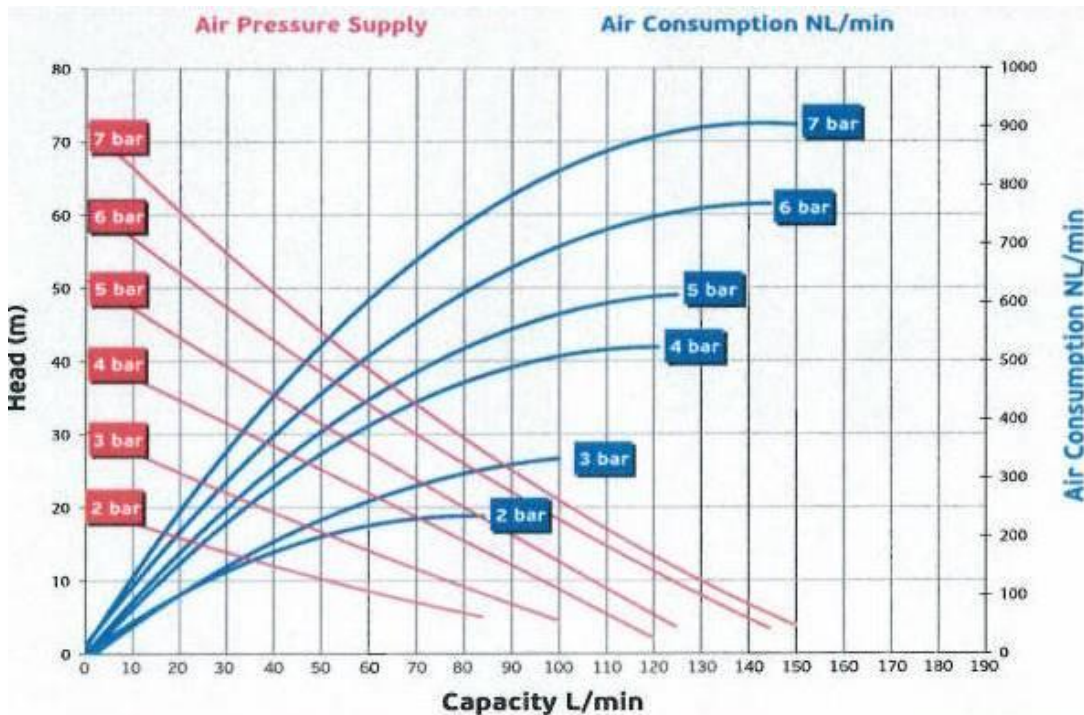




# HAOD 150



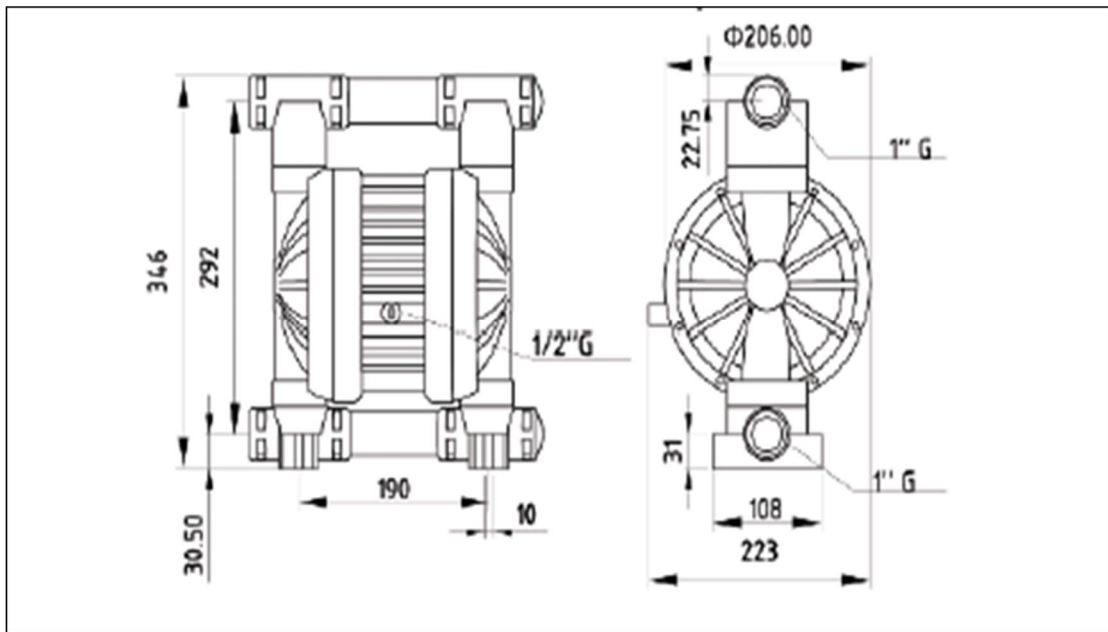
Construction materials	PP, PVDF, AISI 316
Diaphragms	PTFE with Conductive EPDM (compounds)
Intake/Delivery connections	G 1"
Air connection	½"
*Max self-priming capacity	4 m
*Max flow	150 l/m
Max head	70 m
Max air supply pressure	7 bar
Max dimensions of solids in suspension (diameter)	3,5 mm
Max operating temperature	PP 60°C, PVDF 95°C, AISI 316 95°C
Weight PP	6,0 kg
Weight PVDF	7,0 kg
Weight AISI	14 kg



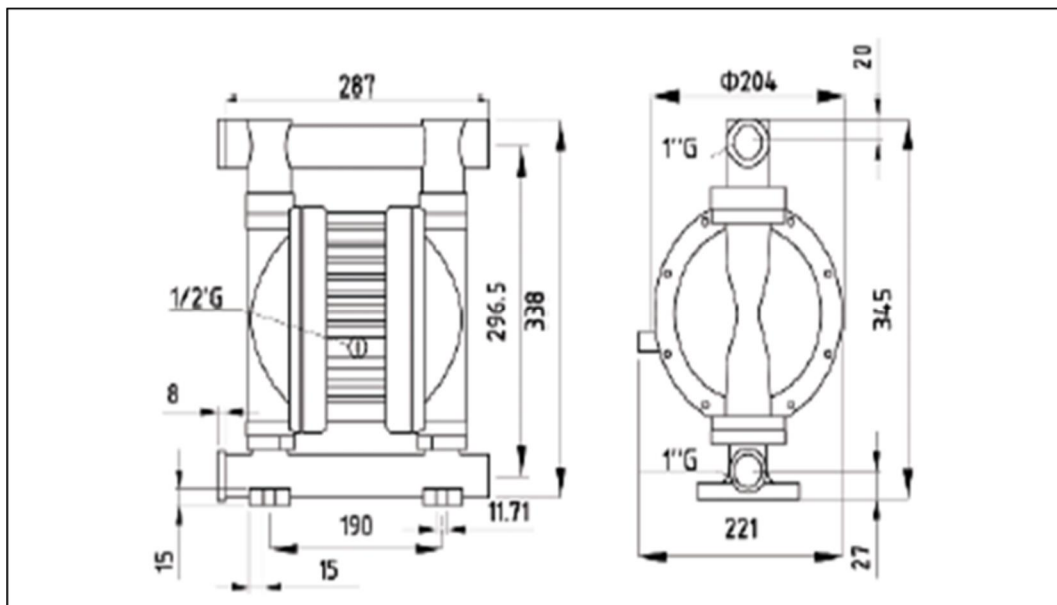
\*The curves and performance values refer to pumps with submerged suction and a free delivery outlet with water at 20°C, and vary according to the construction material.



### DIMENSIONS OF PP/PVDF VERSIONS



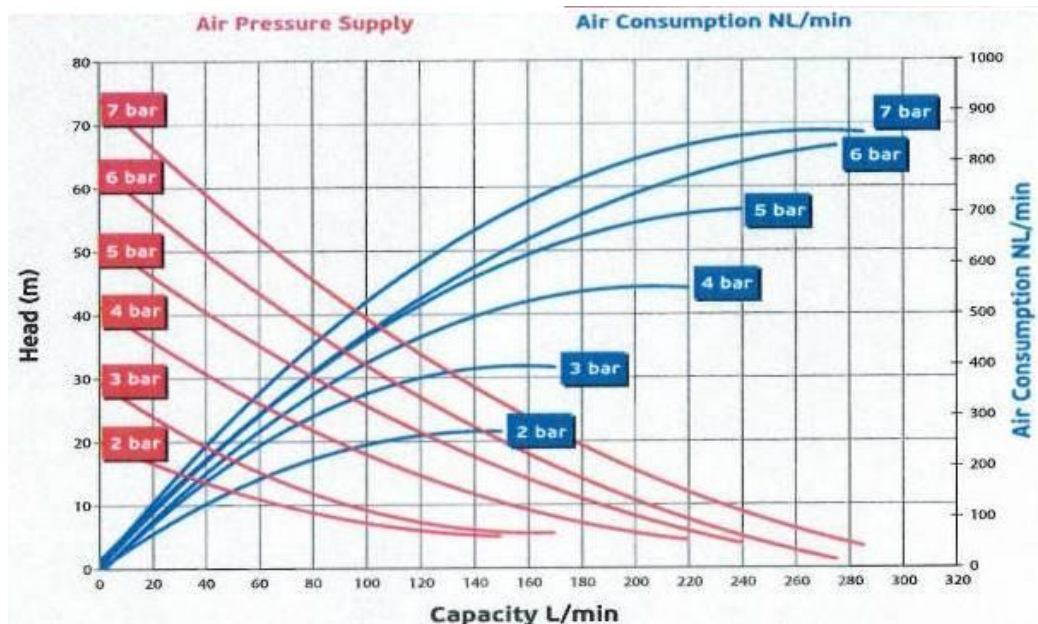
### DIMENSIONS OF METALLIC VERSION



# HAOD 300

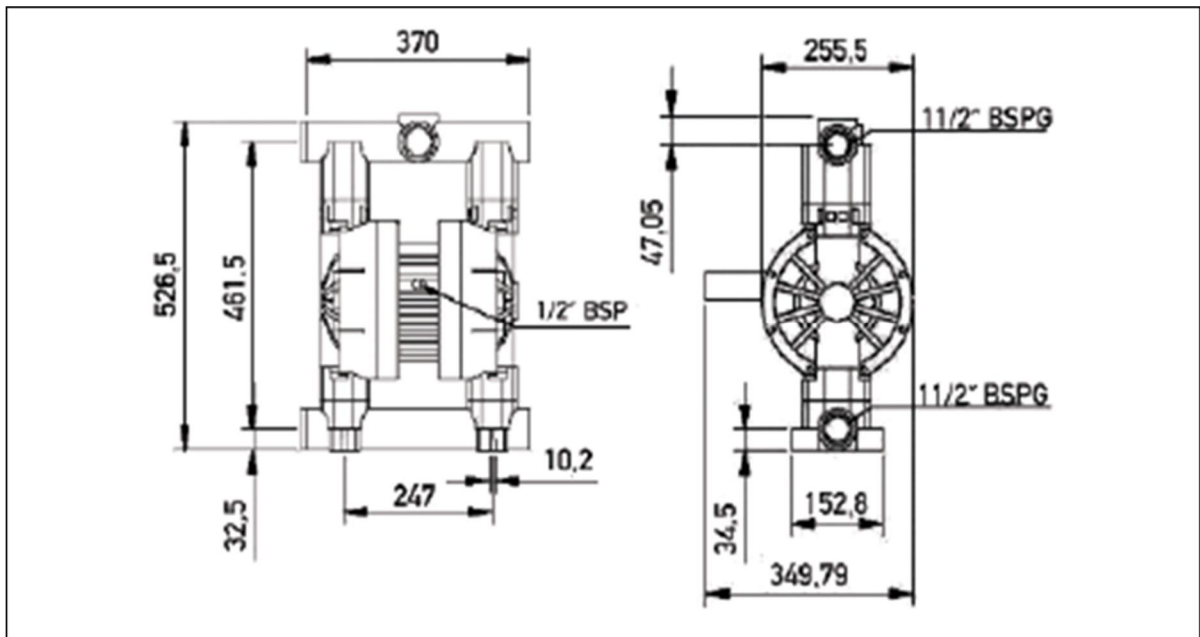


Construction materials	PP, PVDF, AISI 316
Diaphragms	PTFE with Conductive EPDM (compounds)
Intake/Delivery connections	G 1 ½"
Air connection	½"
*Max self-priming capacity	5 m
*Max flow	310 L/m
Max head	5 m
Max air supply pressure	70 m
Max dimensions of solids in suspension (diameter)	7 bar
Max operating temperature	PP 60°C, PVDF 95°C, AISI 316 95°C
Weight PP	14,0 kg
Weight PVDF	22 kg
Weight AISI	30 kg



\*The curves and performance values refer to pumps with submerged suction and a free delivery outlet with water at 20°C, and vary according to the construction material

### DIMENSIONS OF PP/PVDF VERSIONS



### DIMENSIONS OF METALLIC VERSION

