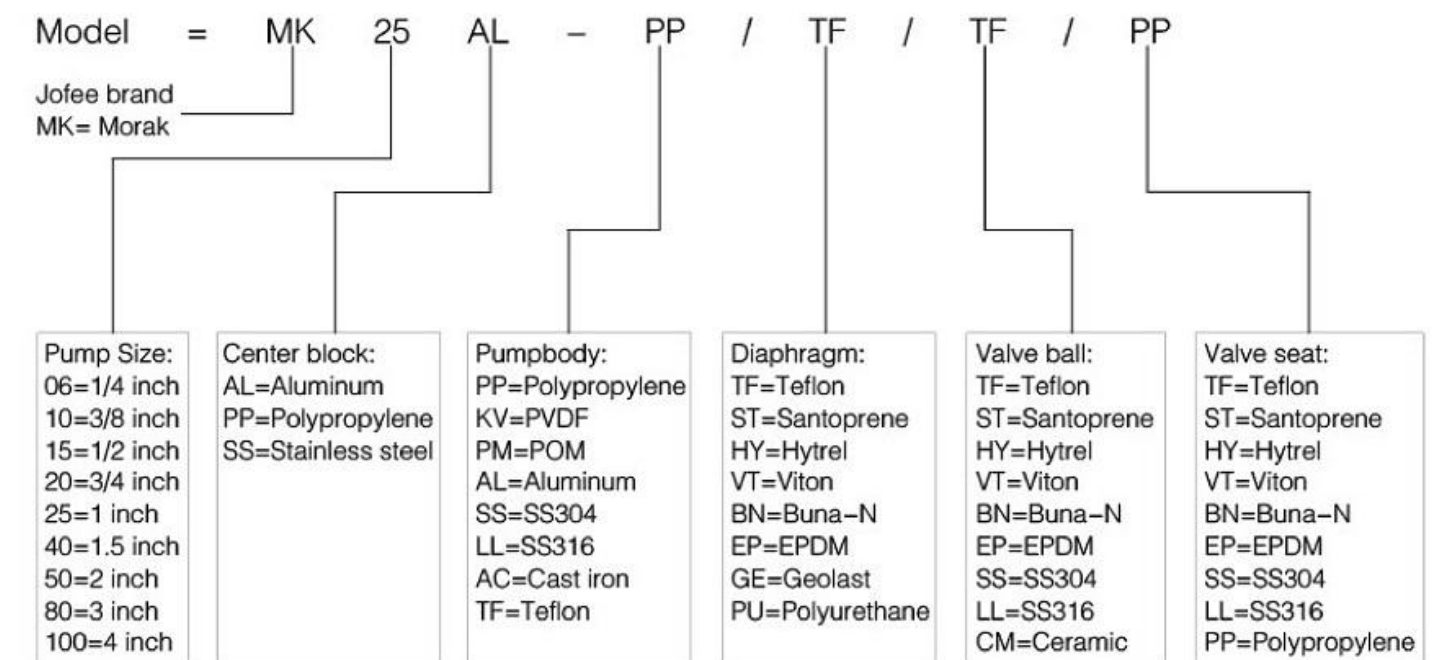




## Pump model and material code

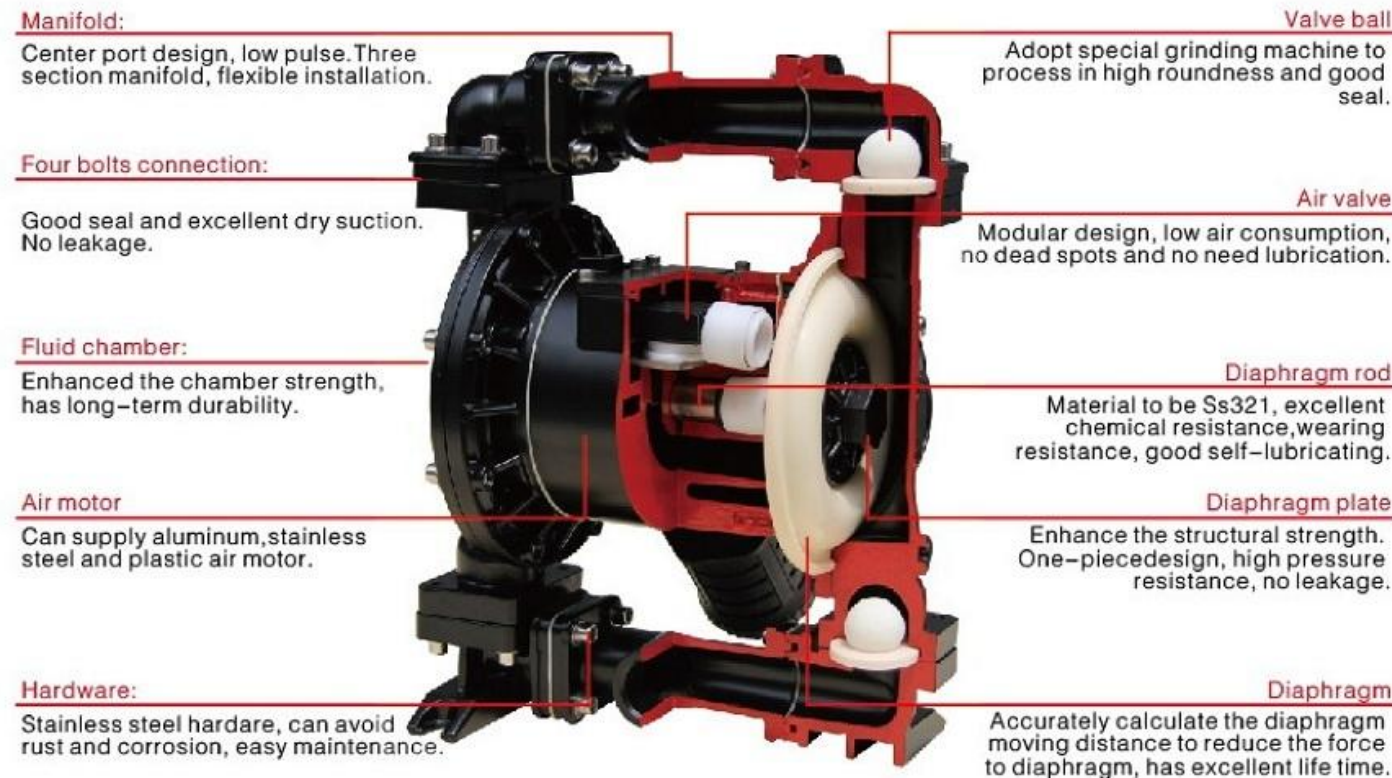




## General Characteristics

- ※ Without electricity, explosion-proof, can convey flammable fluid
- ※ No dynamic seals, even dry running without damage to the pump.
- ※ No impeller, low shear, will not damage the material structure of fluid.
- ※ Submersible, mobile, flexible installation, easy maintenance
- ※ Can convey high-thick, high-viscosity fluid.
- ※ Can convey acid, alkali, strong organic solvents and other fluid.
- ※ Changing the inlet air and pressure, to adjust the flow rate and head

## RESINC PUMPS CHARACTERISTICS



## Operating temperature limitation

| Diaphragm Material                                                                                                                                                                                                                                                                | Maximum      | Minimum      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------|
| Viton: excellent corrosion resistance, resistance to various acids (including the median concentration of oxidizing acid), alkali, salt, petroleum products, hydrocarbons, etc.                                                                                                   | 350 ℉ 176.6℃ | -40 ℉ -40℃   |
| PTFE (Teflon): excellent corrosion resistance, almost resistant to all chemical media (including concentrated nitric acid and aqua regia). Except melting of lithium, potassium, sodium, chlorine trifluoride, high-temperature oxygen trifluoride, sulfur-speed liquid fluorine. | 350 ℉ 176.6℃ | 40 ℉ 4.4℃    |
| Santoprene: good abrasion resistance, chemical resistance and heat resistance, suitable for general acid and alkali, not suitable solvent. Can replace the EPDM/EPR material.                                                                                                     | 220 ℉ 104.4℃ | -20 ℉ -28.9℃ |
| Hytrel: good abrasion resistance, used in most of the neutral fluid. Can replace Buna-N materials.                                                                                                                                                                                | 220 ℉ 104.4℃ | -20 ℉ -28.9℃ |
| EPDM: abrasion resistance, aging resistance, ozone resistance, suitable for general acid and alkali.                                                                                                                                                                              | 250 ℉ 121.6℃ | -40 ℉ 40℃    |
| Buna-N: widely used in gasoline and other oil products. Suitable for use at room temperature.                                                                                                                                                                                     | 212 ℉ 100℃   | -40 ℉ 40℃    |
| GE: better abrasion resistance than Hytrel, the same chemical resistance as Buna-N.                                                                                                                                                                                               | 220 ℉ 104.4℃ | -20 ℉ -28.9℃ |
| Pump body material                                                                                                                                                                                                                                                                |              |              |
| PP: Medium abrasion resistance, good chemical resistance, good versatility, especially for common acid-base.                                                                                                                                                                      | 150 ℉ 65.5℃  | 40 ℉ 4.4℃    |
| POM: good solvent resistance, abrasion resistance. Low friction, low moisture absorption.                                                                                                                                                                                         | 150 ℉ 65.5℃  | 40 ℉ 4.4℃    |
| PVDF: strong chemical resistance, crush resistance, abrasion resistance. good corrosion resistance for acid, alkali and variety of organic solvents.                                                                                                                              | 200 ℉ 93.3℃  | 40 ℉ 4.4℃    |

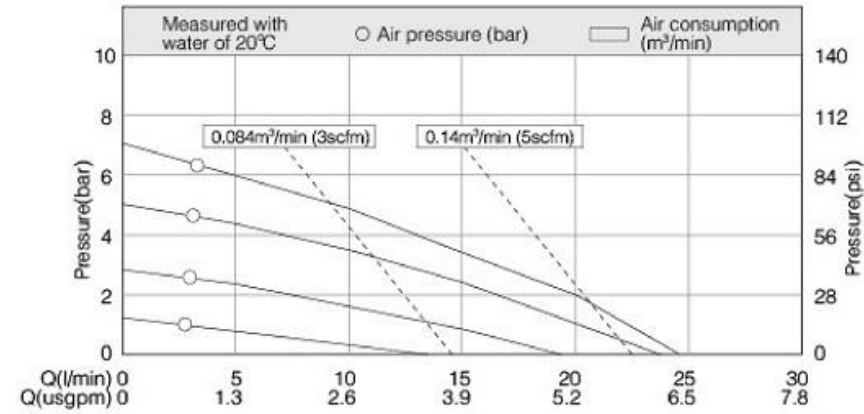
Note: The maximum and minimum temperature is the limited operating temperature of these materials. Temperature and pressure will affect the diaphragm life. Operating under the maximum or minimum temperature, can not achieve maximum life



# MK06/10 Plastic pump



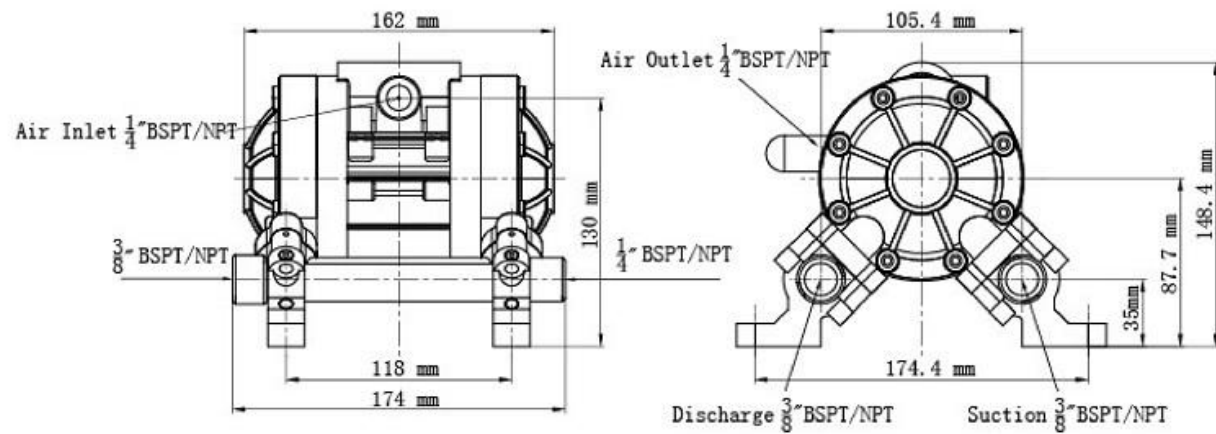
Performance curve



| Technical parameters           |     |         |
|--------------------------------|-----|---------|
| Suction lift[mwc]              | dry | 2.1     |
|                                | wet | 3.7~6.4 |
| Max particle diameter[mm]      |     | 1.6     |
| Suction and discharge size[in] |     | 1/4 3/8 |
| Air inlet size[in]             |     | 1/4     |
| Max flow[l/min]                |     | 27      |
| Max head[m]                    |     | 70      |
| Max air inlet pressure[bar]    |     | 7       |

| material quality    |                                                 |
|---------------------|-------------------------------------------------|
| Pumpbody:           | PP, PVDF, POM                                   |
| Diaphragm:          | Santoprene, Hytrel, Teflon, Viton, EPDM, Buna-N |
| Check valve:        | PP, PVDF, POM                                   |
| Center block:       | PP                                              |
| Weight              |                                                 |
| PP Pump / POM pump: | 1.5 Kgs                                         |
| PVDF pump:          | 2 Kgs                                           |

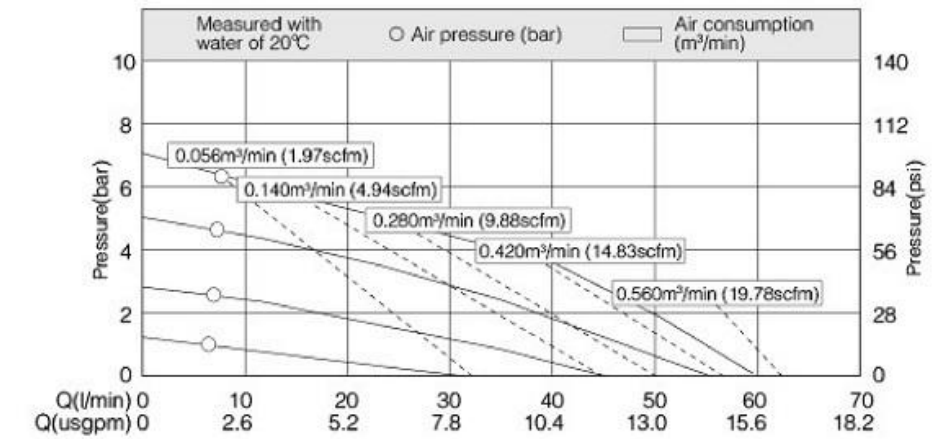
Installation size



# MK15 Aluminum pump



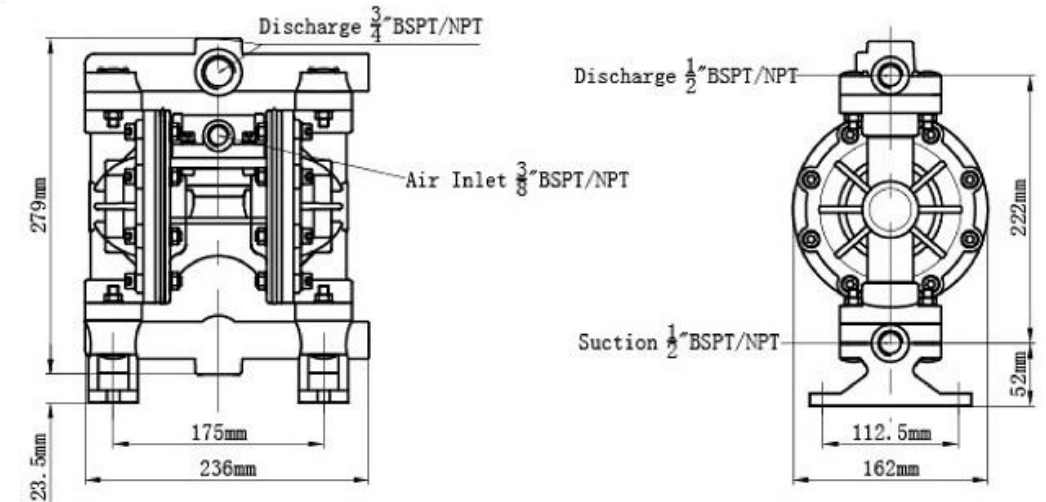
Performance curve



| Technical parameters           |     |         |
|--------------------------------|-----|---------|
| Suction lift[mwc]              | dry | 4       |
|                                | wet | 7.6     |
| Max particle diameter[mm]      |     | 2.5     |
| Suction and discharge size[in] |     | 1/2 3/4 |
| Air inlet size[in]             |     | 3/8     |
| Max flow[l/min]                |     | 57      |
| Max head[m]                    |     | 84      |
| Max air inlet pressure[bar]    |     | 8.4     |

| material quality |                                                 |
|------------------|-------------------------------------------------|
| Pumpbody:        | Aluminum                                        |
| Diaphragm:       | Santoprene, Hytrel, Teflon, Viton, EPDM, Buna-N |
| Valve ball:      | Teflon, Stainless steel, Santoprene             |
| Valve seat:      | SS304, SS316                                    |
| Center block:    | PP                                              |
| Weight           |                                                 |
| Aluminum pump:   | 4.5 Kgs                                         |

Installation size

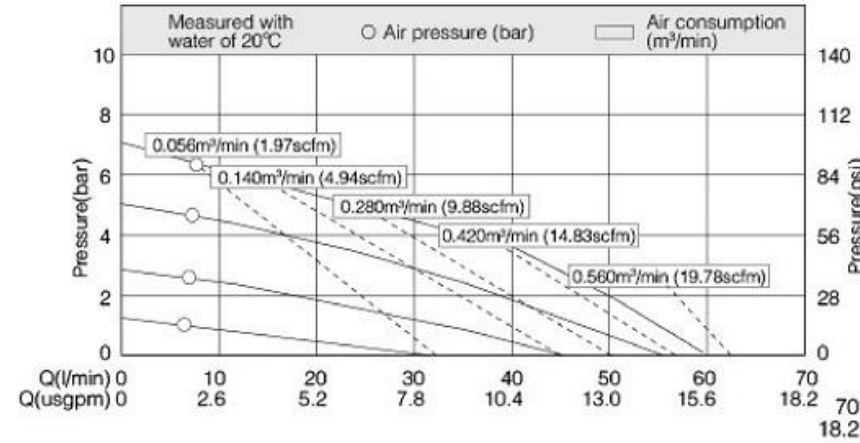




# MK15 Plastic pump



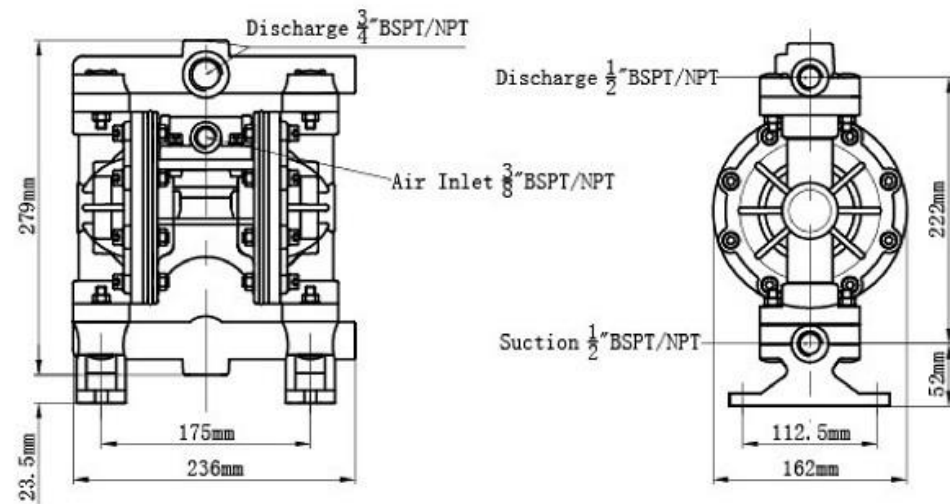
Performance curve



| Technical parameters           |         |     |
|--------------------------------|---------|-----|
| Suction lift[mwc]              | dry     | 4   |
|                                | wet     | 7.6 |
| Max particle diameter[mm]      | 2.5     |     |
| Suction and discharge size[in] | 1/2 3/4 |     |
| Air inlet size[in]             | 3/8     |     |
| Max flow[l/min]                | 57      |     |
| Max head[m]                    | 84      |     |
| Max air inlet pressure[bar]    | 8.4     |     |

| material quality    |                                                 |
|---------------------|-------------------------------------------------|
| Pumpbody:           | PP, PVDF, POM                                   |
| Diaphragm:          | Santoprene, Hytrel, Teflon, Viton, EPDM, Buna-N |
| Valve ball:         | Teflon, Stainless steel, Santoprene             |
| Valve seat:         | PP, PVDF, POM                                   |
| Center block:       | PP                                              |
| Weight              |                                                 |
| PP pump / POM pump: | 3.5 Kgs                                         |
| PVDF pump:          | 4.5 Kgs                                         |

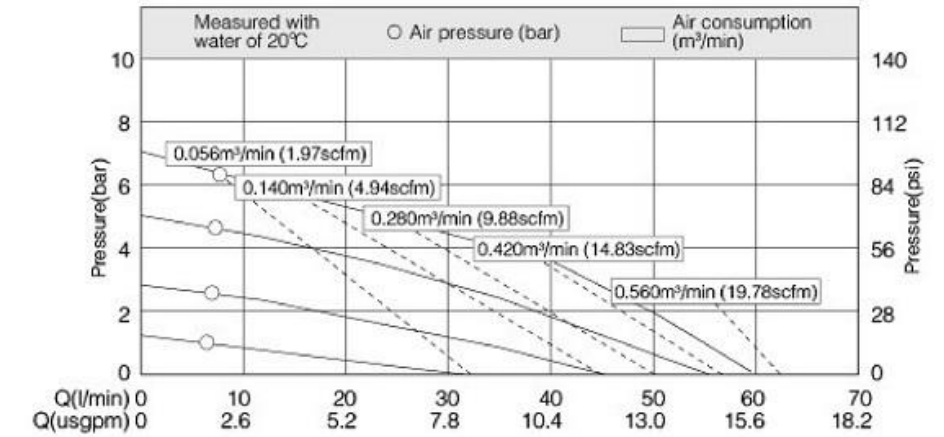
Installation size



# MK15 Stainless steel pump



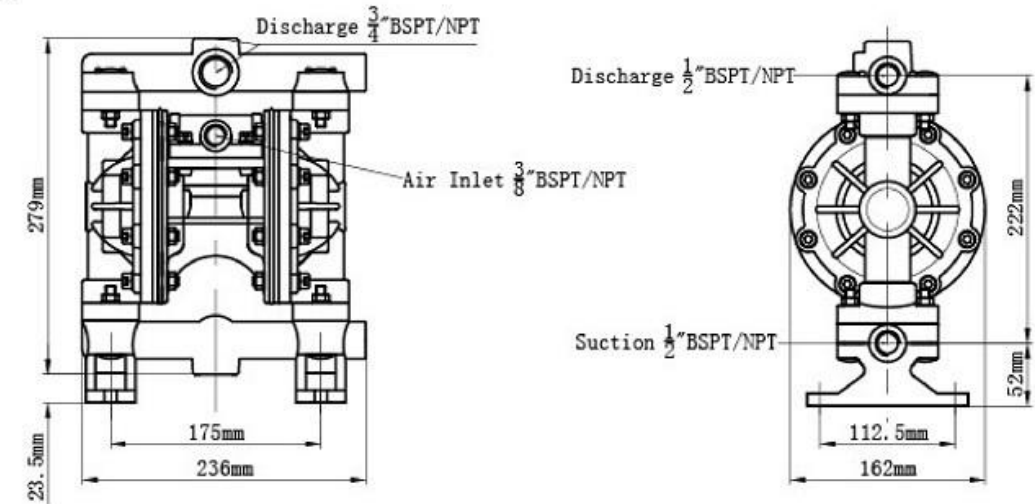
Performance curve



| Technical parameters           |         |     |
|--------------------------------|---------|-----|
| Suction lift[mwc]              | dry     | 4   |
|                                | wet     | 7.6 |
| Max particle diameter[mm]      | 2.5     |     |
| Suction and discharge size[in] | 1/2 3/4 |     |
| Air inlet size[in]             | 3/8     |     |
| Max flow[l/min]                | 57      |     |
| Max head[m]                    | 84      |     |
| Max air inlet pressure[bar]    | 8.4     |     |

| material quality |                                                 |
|------------------|-------------------------------------------------|
| Pumpbody:        | SS304, SS316, SS316L                            |
| Diaphragm:       | Santoprene, Hytrel, Teflon, Viton, EPDM, Buna-N |
| Valve ball:      | Teflon, Stainless steel, Santoprene             |
| Valve seat:      | SS304, SS316, SS316L                            |
| Center block:    | PP                                              |
| Weight           |                                                 |
| SS304 Pump:      | 7.5 Kgs                                         |
| SS316 pump:      | 7.5 Kgs                                         |

Installation size

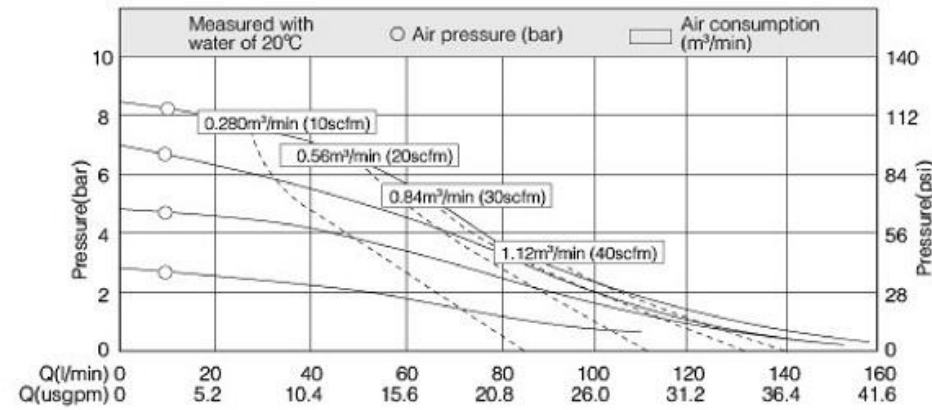




## MK25 Aluminum /cast iron pump



Performance curve



### Technical parameters

|                                |     |     |
|--------------------------------|-----|-----|
| Suction lift[mwc]              | dry | 4   |
|                                | wet | 8   |
| Max particle diameter[mm]      |     | 4   |
| Suction and discharge size[in] |     | 1   |
| Air inlet size[in]             |     | 1/2 |
| Max flow[l/min]                |     | 157 |
| Max head[m]                    |     | 84  |
| Max air inlet pressure[bar]    |     | 8.4 |

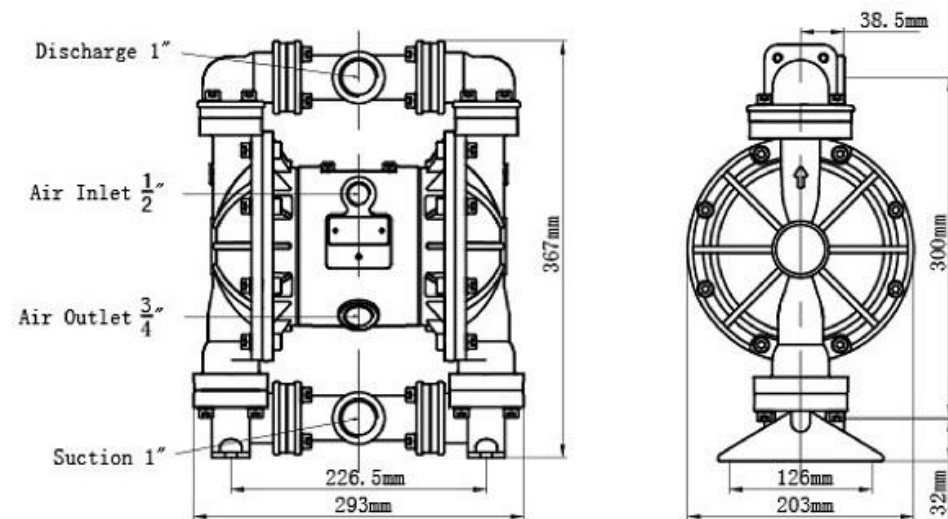
### material quality

Pumpbody: Aluminum, Cast iron  
 Diaphragm: Santoprene, Hytrel, Teflon, Viton, EPDM, Buna-N  
 Valve ball: Santoprene, Hytrel, Teflon, Viton, Stainless steel, Ceramic  
 Valve seat: Santoprene, Hytrel, Teflon, Viton, Stainless steel  
 Center block: PP, Aluminum, Stainless steel

### Weight

Aluminum pump: 11 Kgs  
 Cast iron pump: 25 Kgs

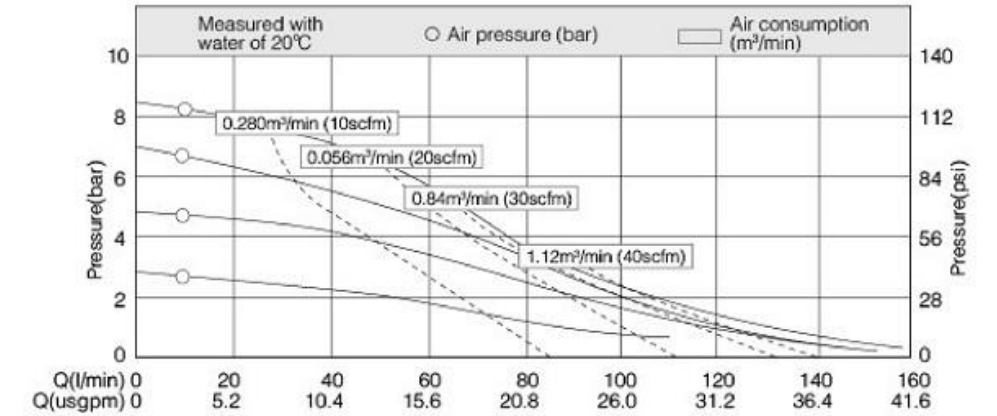
### Installation size



## MK25 Plastic pump



Performance curve



### Technical parameters

|                                |     |     |
|--------------------------------|-----|-----|
| Suction lift[mwc]              | dry | 4   |
|                                | wet | 8   |
| Max particle diameter[mm]      |     | 4   |
| Suction and discharge size[in] |     | 1   |
| Air inlet size[in]             |     | 1/2 |
| Max flow[l/min]                |     | 157 |
| Max head[m]                    |     | 84  |
| Max air inlet pressure[bar]    |     | 8.4 |

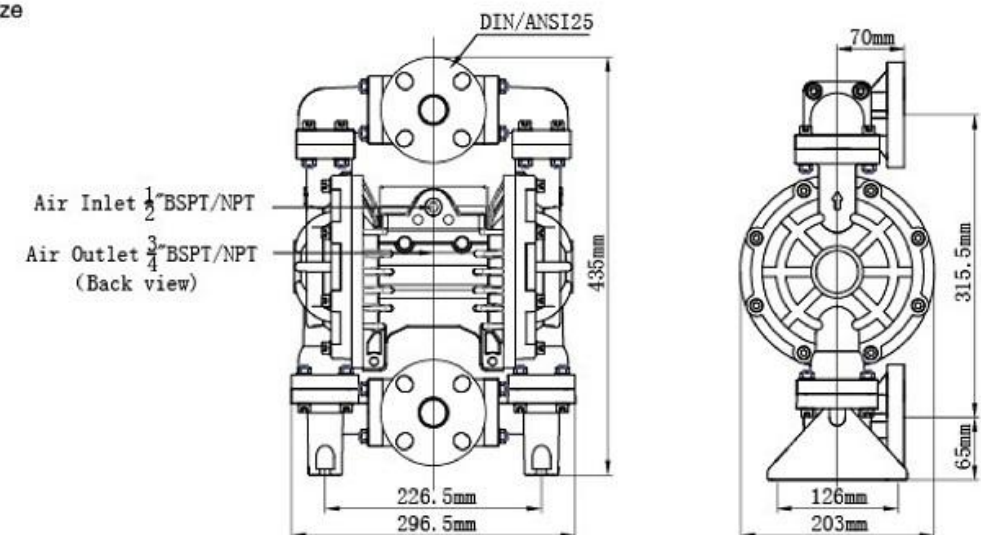
### material quality

Pumpbody: PP, PVDF, POM  
 Diaphragm: Santoprene, Hytrel, Teflon, Viton, EPDM, Buna-N  
 Valve ball: Teflon, Stainless steel, Santoprene, Hytrel, Viton, Ceramic  
 Valve seat: Teflon, Santoprene, Hytrel, Viton, PP  
 Center block: PP, Aluminum, Stainless steel

### Weight

PP pump / POM pump: 9 Kgs  
 PVDF pump: 12 Kgs

### Installation size

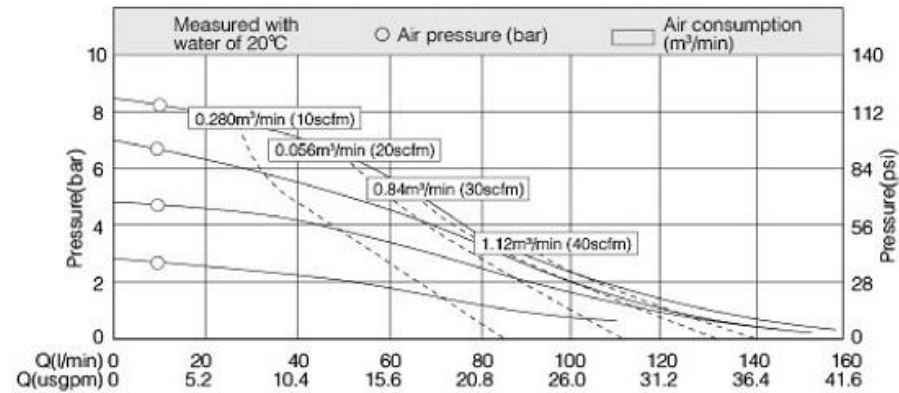




## MK25 Stainless steel pump



Performance curve



### Technical parameters

|                                |     |     |
|--------------------------------|-----|-----|
| Suction lift[mwc]              | dry | 4   |
|                                | wet | 8   |
| Max particle diameter[mm]      |     | 4   |
| Suction and discharge size[in] |     | 1   |
| Air inlet size[in]             |     | 1/2 |
| Max flow[l/min]                |     | 157 |
| Max head[m]                    |     | 84  |
| Max air inlet pressure[bar]    |     | 8.4 |

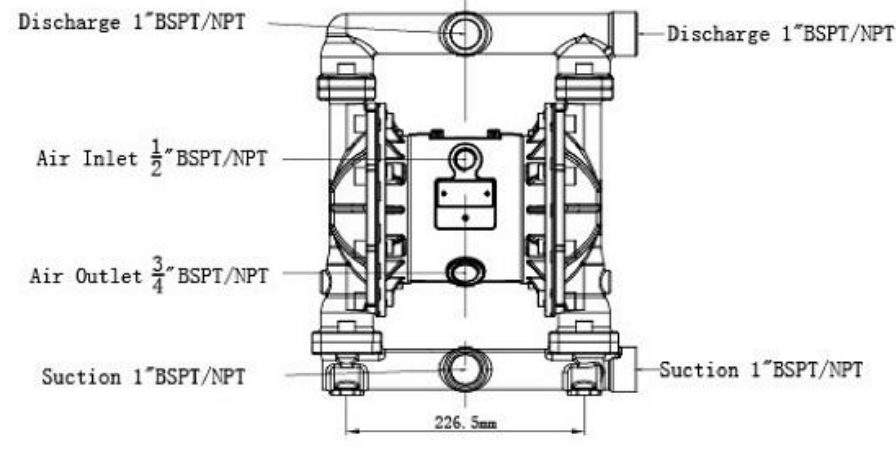
### material quality

Pumpbody: SS304, SS316, SS316L  
Diaphragm: Santoprene, Hytrel, Teflon, Viton, EPDM, Buna-N  
Valve ball: Santoprene, Hytrel, Teflon, Viton, Stainless steel, Ceramic  
Valve seat: Santoprene, Hytrel, Teflon, Viton, Stainless steel  
Center block: PP, Aluminum, Stainless steel

### Weight

SS304 Pump: 16 Kgs  
SS316 pump: 16 Kgs

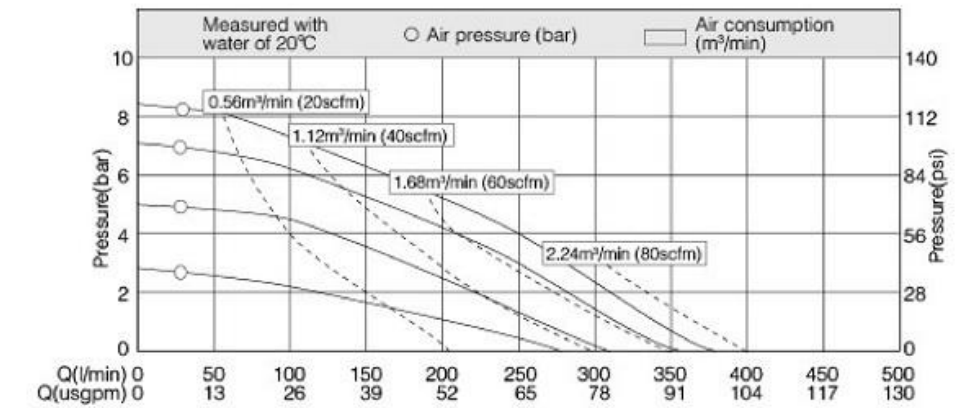
### Installation size



## MK40 Aluminum /cast iron pump



Performance curve



### Technical parameters

|                                |     |       |
|--------------------------------|-----|-------|
| Suction lift[mwc]              | dry | 5     |
|                                | wet | 8     |
| Max particle diameter[mm]      |     | 5     |
| Suction and discharge size[in] |     | 1 1/2 |
| Air inlet size[in]             |     | 1/2   |
| Max flow[l/min]                |     | 358   |
| Max head[m]                    |     | 84    |
| Max air inlet pressure[bar]    |     | 8.4   |

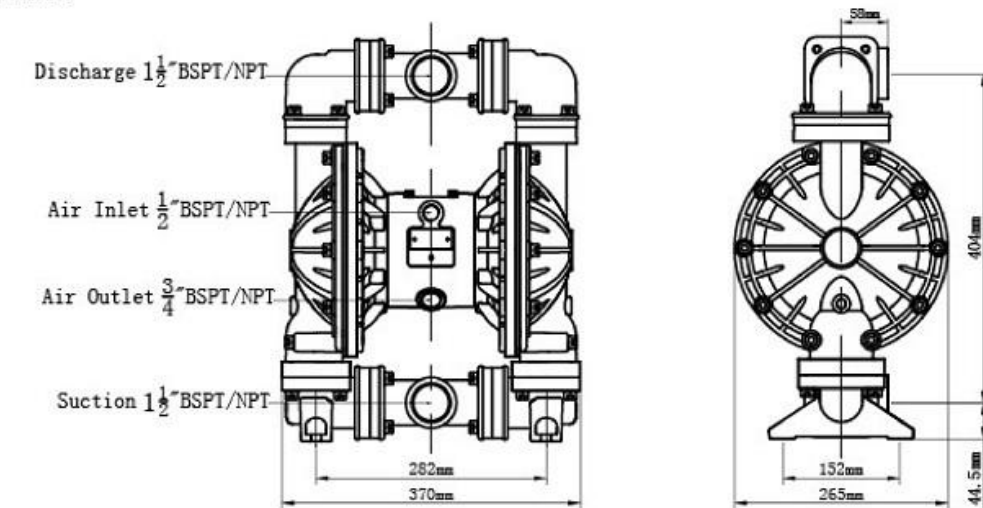
### material quality

Pumpbody: Aluminum, Cast iron  
Diaphragm: Santoprene, Hytrel, Teflon, Viton, EPDM, Buna-N  
Valve ball: Santoprene, Hytrel, Teflon, Viton, Stainless steel, Ceramic  
Valve seat: Santoprene, Hytrel, Teflon, Viton, Stainless steel  
Center block: PP, Aluminum, Stainless steel

### Weight

Aluminum pump: 20 Kgs  
Cast iron pump: 50 Kgs

### Installation size

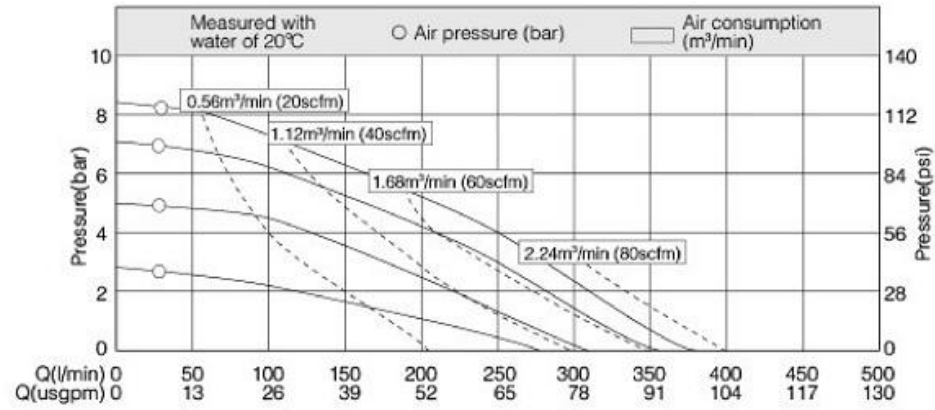




# MK40 Plastic pump



Performance curve



## Technical parameters

|                                |     |       |
|--------------------------------|-----|-------|
| Suction lift[mwc]              | dry | 5     |
|                                | wet | 8     |
| Max particle diameter[mm]      |     | 5     |
| Suction and discharge size[in] |     | 1 1/2 |
| Air inlet size[in]             |     | 1/2   |
| Max flow[l/min]                |     | 358   |
| Max head[m]                    |     | 84    |
| Max air inlet pressure[bar]    |     | 8.4   |

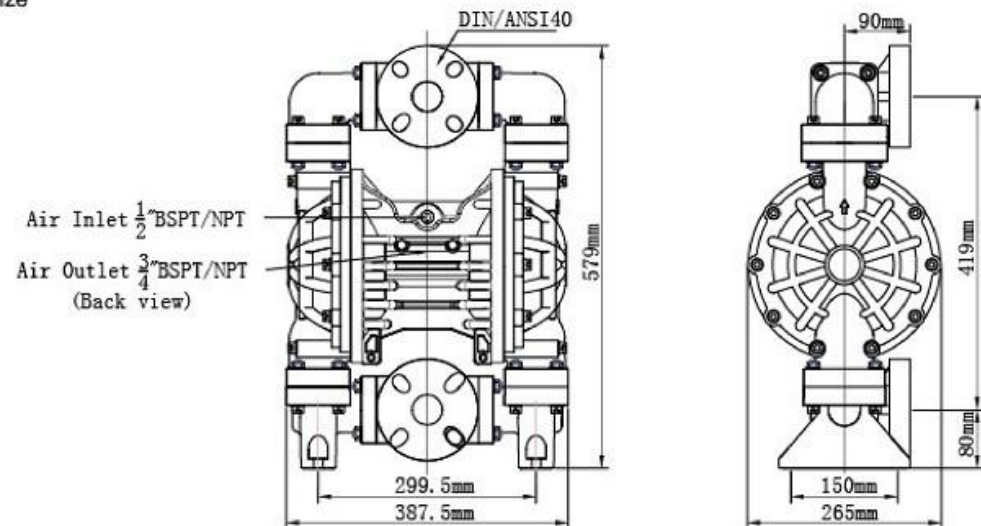
## material quality

Pumpbody: PP, PVDF  
 Diaphragm: Santoprene, Hytrel, Teflon, Viton, EPDM, Buna-N  
 Valve ball: Teflon, Stainless steel, Santoprene, Hytrel, Viton, Ceramic  
 Valve seat: Teflon, Santoprene, Hytrel, Viton, PP  
 Center block: PP, Aluminum, Stainless steel

## Weight

PP pump: 17 Kgs  
 PVDF pump: 24 Kgs

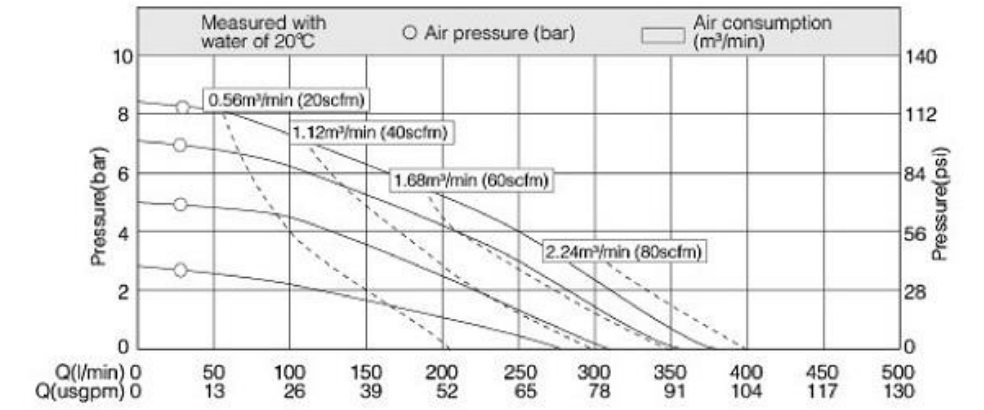
## Installation size



# MK40 Stainless steel pump



Performance curve



## Technical parameters

|                                |     |       |
|--------------------------------|-----|-------|
| Suction lift[mwc]              | dry | 5     |
|                                | wet | 8     |
| Max particle diameter[mm]      |     | 5     |
| Suction and discharge size[in] |     | 1 1/2 |
| Air inlet size[in]             |     | 1/2   |
| Max flow[l/min]                |     | 358   |
| Max head[m]                    |     | 84    |
| Max air inlet pressure[bar]    |     | 8.4   |

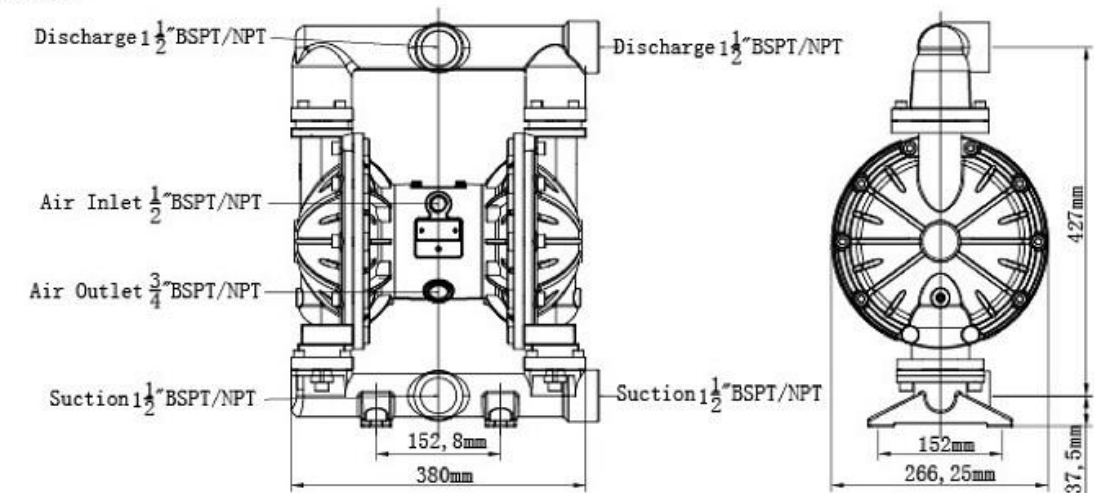
## material quality

Pumpbody: SS304, SS316, SS316L  
 Diaphragm: Santoprene, Hytrel, Teflon, Viton, EPDM, Buna-N  
 Valve ball: Santoprene, Hytrel, Teflon, Viton, Stainless steel, Ceramic  
 Valve seat: Santoprene, Hytrel, Teflon, Viton, Stainless steel  
 Center block: PP, Aluminum, Stainless steel

## Weight

SS304 pump: 31 Kgs  
 SS316 pump: 31 Kgs

## Installation size

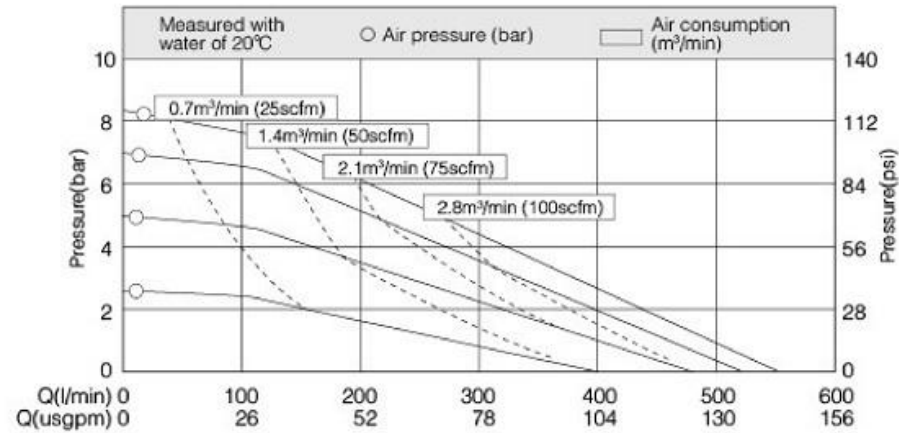




# MK50 Aluminum /cast iron pump



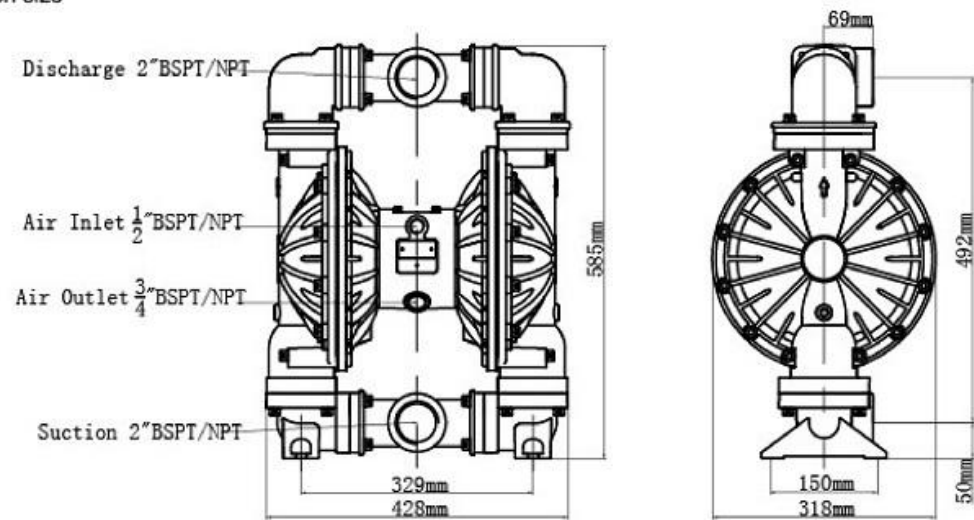
Performance curve



| Technical parameters           |     |   |
|--------------------------------|-----|---|
| Suction lift[mwc]              | dry | 5 |
|                                | wet | 8 |
| Max particle diameter[mm]      | 6   |   |
| Suction and discharge size[in] | 2   |   |
| Air inlet size[in]             | 1/2 |   |
| Max flow[l/min]                | 587 |   |
| Max head[m]                    | 84  |   |
| Max air inlet pressure[bar]    | 8.4 |   |

| material quality                                                        |  |
|-------------------------------------------------------------------------|--|
| Pumpbody: Aluminum, Cast iron                                           |  |
| Diaphragm: Santoprene, Hytrel, Teflon, Viton, EPDM, Buna-N              |  |
| Valve ball: Santoprene, Hytrel, Teflon, Viton, Stainless steel, Ceramic |  |
| Valve seat: Santoprene, Hytrel, Teflon, Viton, Stainless steel          |  |
| Center block: PP, Aluminum, Stainless steel                             |  |
| Weight                                                                  |  |
| Aluminum pump: 27 Kgs                                                   |  |
| Cast iron pump: 78 Kgs                                                  |  |

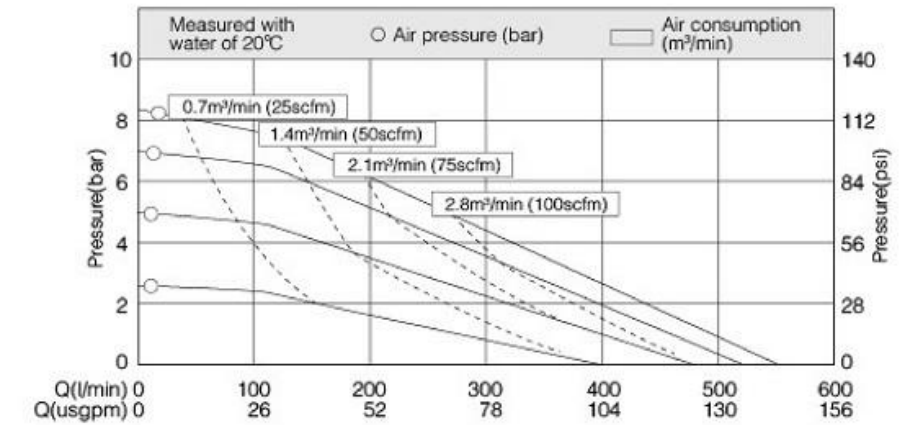
Installation size



# MK50 Plastic pump



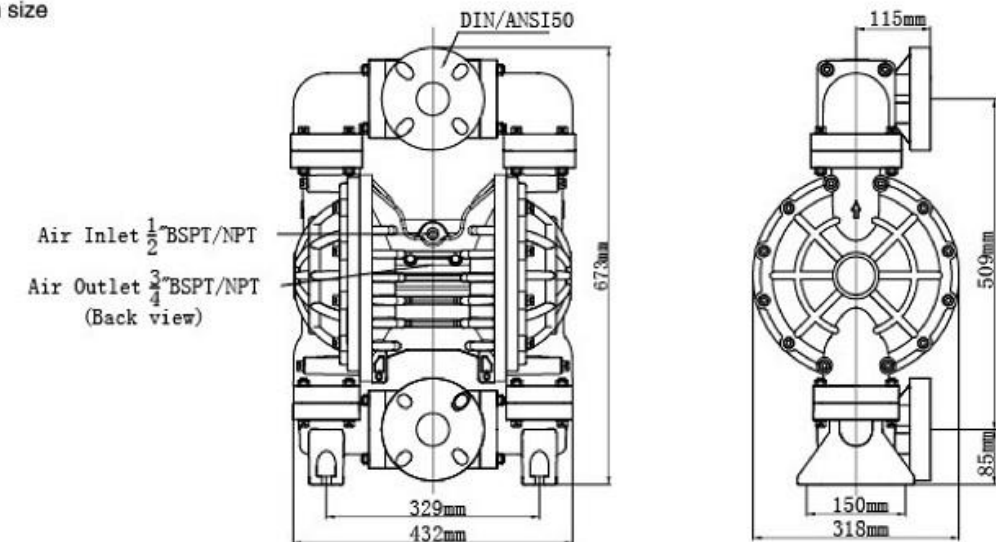
Performance curve



| Technical parameters           |     |   |
|--------------------------------|-----|---|
| Suction lift[mwc]              | dry | 5 |
|                                | wet | 8 |
| Max particle diameter[mm]      | 6   |   |
| Suction and discharge size[in] | 2   |   |
| Air inlet size[in]             | 1/2 |   |
| Max flow[l/min]                | 587 |   |
| Max head[m]                    | 84  |   |
| Max air inlet pressure[bar]    | 8.4 |   |

| material quality                                                        |  |
|-------------------------------------------------------------------------|--|
| Pumpbody: PP, PVDF                                                      |  |
| Diaphragm: Santoprene, Hytrel, Teflon, Viton, EPDM, Buna-N              |  |
| Valve ball: Teflon, Stainless steel, Santoprene, Hytrel, Viton, Ceramic |  |
| Valve seat: Teflon, Santoprene, Hytrel, Viton, PP                       |  |
| Center block: PP, Aluminum, Stainless steel                             |  |
| Weight                                                                  |  |
| PP pump: 25 Kgs                                                         |  |
| PVDF pump: 34 Kgs                                                       |  |

Installation size

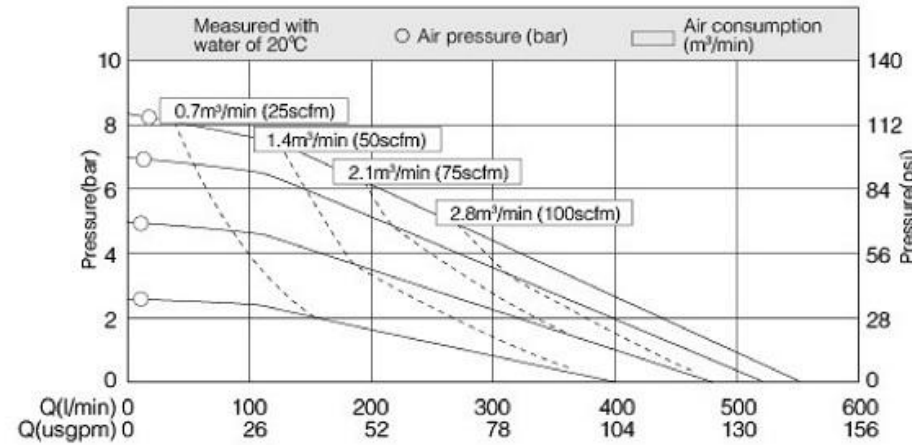




# MK50 Stainless steel pump



Performance curve



## Technical parameters

|                                |     |     |
|--------------------------------|-----|-----|
| Suction lift[mwc]              | dry | 5   |
|                                | wet | 8   |
| Max particle diameter[mm]      |     | 6   |
| Suction and discharge size[in] |     | 2   |
| Air inlet size[in]             |     | 1/2 |
| Max flow[l/min]                |     | 587 |
| Max head[m]                    |     | 84  |
| Max air inlet pressure[bar]    |     | 8.4 |

## material quality

Pumpbody: SS304, SS316, SS316L

Diaphragm: Santoprene, Hytrel, Teflon, Viton, EPDM, Buna-N

Valve ball: Santoprene, Hytrel, Teflon, Viton, Stainless steel, Ceramic

Valve seat: Santoprene, Hytrel, Teflon, Viton, Stainless steel

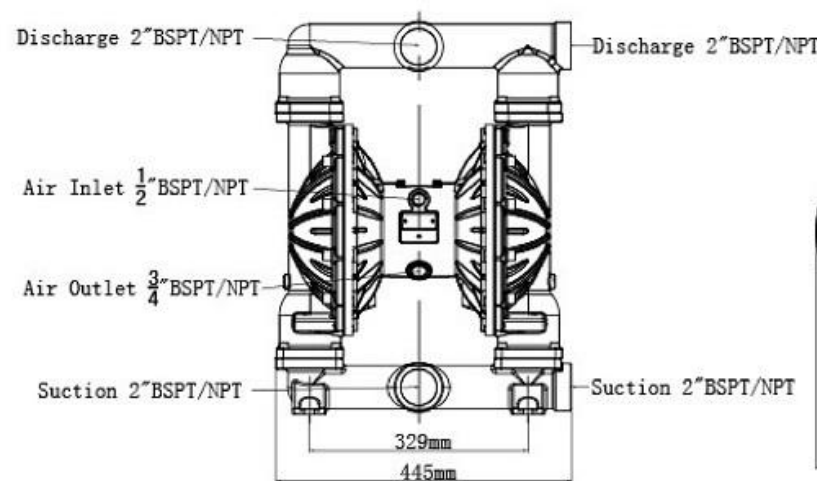
Center block: PP, Aluminum, Stainless steel

## Weight

SS304 Pump: 48 Kgs

SS316 pump: 48 Kgs

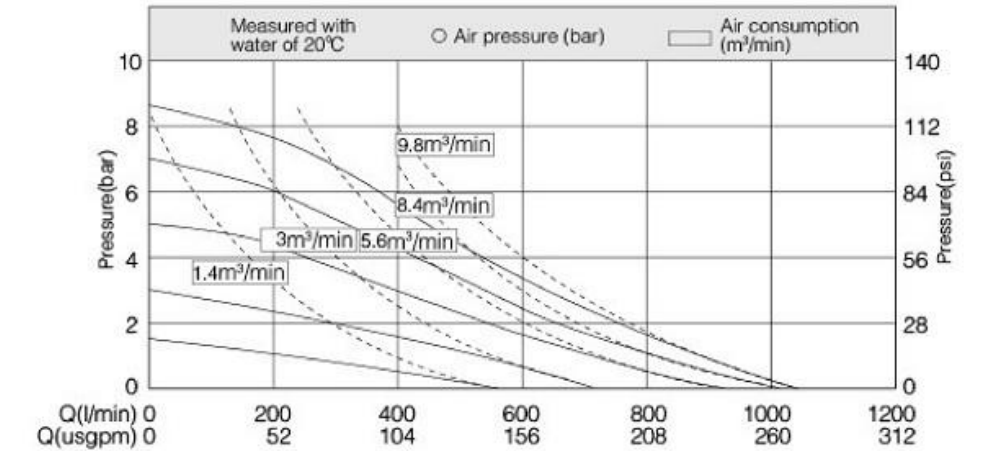
## Installation size



# MK80 Aluminum pump



Performance curve



## Technical parameters

|                                |     |      |
|--------------------------------|-----|------|
| Suction lift[mwc]              | dry | 5    |
|                                | wet | 8    |
| Max particle diameter[mm]      |     | 9.4  |
| Suction and discharge size[in] |     | 3    |
| Air inlet size[in]             |     | 3/4  |
| Max flow[l/min]                |     | 1060 |
| Max head[m]                    |     | 84   |
| Max air inlet pressure[bar]    |     | 8.4  |

## material quality

Pumpbody: Aluminum

Diaphragm: Santoprene, Hytrel, Teflon, Viton, EPDM, Buna-N

Valve ball: Santoprene, Hytrel, Teflon, Viton, Stainless steel, Ceramic

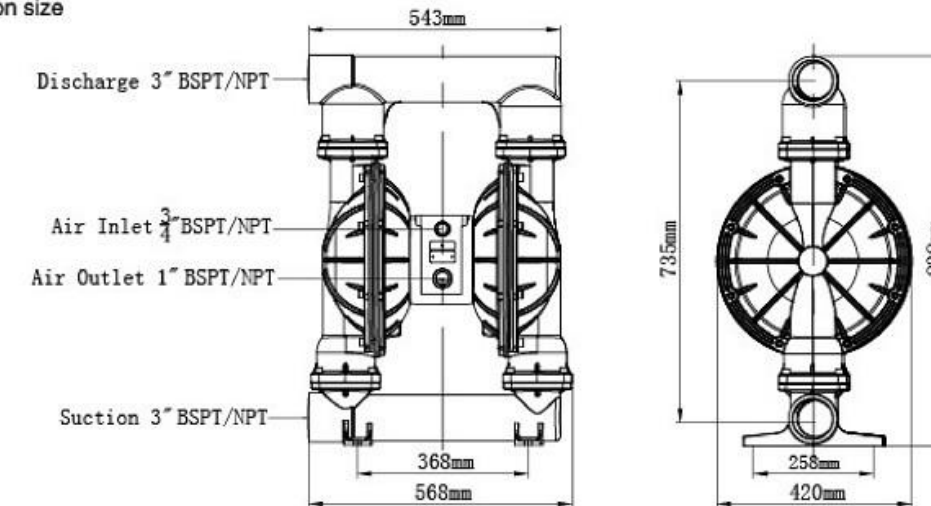
Valve seat: Santoprene, Hytrel, Teflon, Viton, Stainless steel

Center block: PP, Aluminum, Stainless steel

## Weight

Aluminum pump: 50 Kgs

## Installation size

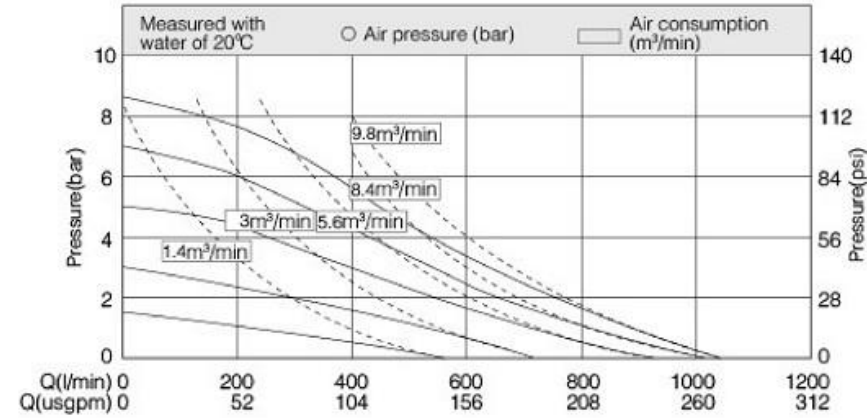




# MK80 Plastic pump



Performance curve



## Technical parameters

|                                |     |      |
|--------------------------------|-----|------|
| Suction lift[mwc]              | dry | 5    |
|                                | wet | 8    |
| Max particle diameter[mm]      |     | 9.4  |
| Suction and discharge size[in] |     | 3    |
| Air inlet size[in]             |     | 3/4  |
| Max flow[l/min]                |     | 1060 |
| Max head[m]                    |     | 84   |
| Max air inlet pressure[bar]    |     | 8.4  |

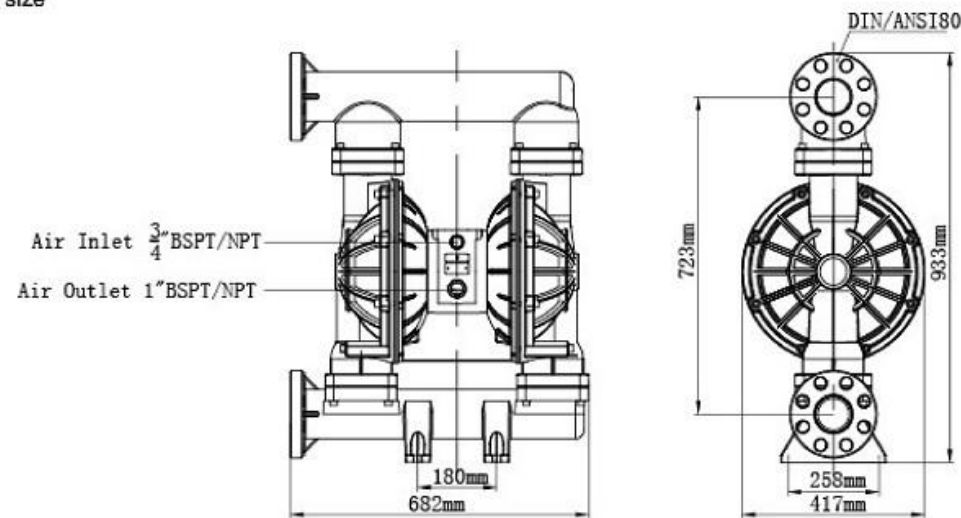
## material quality

Pumpbody: PP, PVDF  
Diaphragm: Santoprene, Hytrel, Teflon, Viton, EPDM, Buna-N  
Valve ball: Teflon, Stainless steel, Santoprene, Hytrel, Viton, Ceramic  
Valve seat: Teflon, Santoprene, Hytrel, Viton, PP  
Center block: PP, Aluminum, Stainless steel

## Weight

PP pump: 50 Kgs  
PVDF pump: 90 Kgs

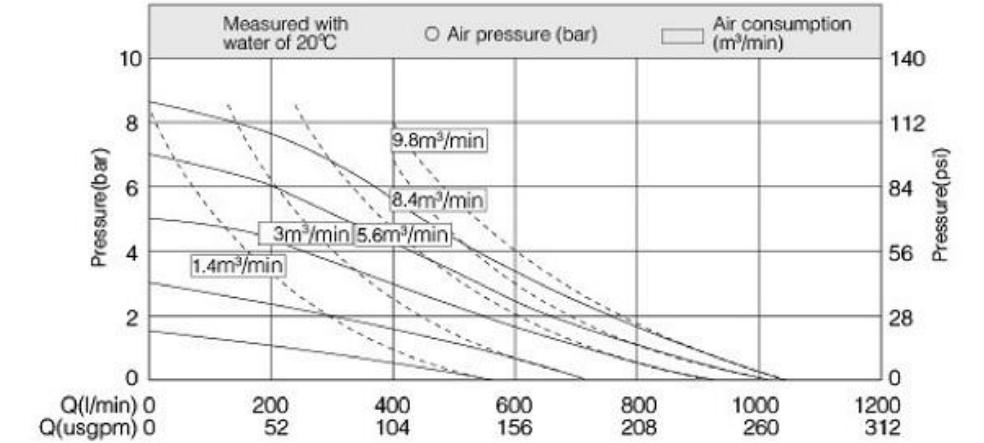
## Installation size



# MK80 Stainless steel pump



Performance curve



## Technical parameters

|                                |     |      |
|--------------------------------|-----|------|
| Suction lift[mwc]              | dry | 5    |
|                                | wet | 8    |
| Max particle diameter[mm]      |     | 9.4  |
| Suction and discharge size[in] |     | 3    |
| Air inlet size[in]             |     | 3/4  |
| Max flow[l/min]                |     | 1060 |
| Max head[m]                    |     | 84   |
| Max air inlet pressure[bar]    |     | 8.4  |

## material quality

Pumpbody: SS304, SS316, SS316L  
Diaphragm: Santoprene, Hytrel, Teflon, Viton, EPDM, Buna-N  
Valve ball: Santoprene, Hytrel, Teflon, Viton, Stainless steel, Ceramic  
Valve seat: Santoprene, Hytrel, Teflon, Viton, Stainless steel  
Center block: PP, Aluminum, Stainless steel

## Weight

SS304 Pump: 120 Kgs  
SS316 pump: 120 Kgs

## Installation size

