



**AIR OPERATED  
DOUBLE DIAPHRAGM  
PUMPS**

[www.gunalsanpompa.com](http://www.gunalsanpompa.com)

**HUGE** PUMP

## HP02 (1/4") DIAPHRAGM PUMP

PLASTIC PUMP

### TECHNICAL FEATURES

Flow Rate	: 16 lt./min
Pump Inlet - Outlet	: 1/4"
Operation Pressure (Max.)	: 7 bar
Delivery Height (Max.)	: 70 mSS
Suction Depth	: 1m.
Operation Temperature	: -18°C/+100°C
Air Inlet	: 1/4"
Particle Permeability	: 1mm.
Weight	: 1,8 kg.



The smallest member of HP family HP102 is very light and a good alternative to electrical barrel pumps. Its light weight and easy to carry feature are good advantages of HP02 to use it to transfer liquids from barrels. It has only polypropylenecasing and is used in chemical industry, ceramic industry and some others.

## HP05 (3/4") DIAPHRAGM PUMP

PLASTIC PUMP

METALIC PUMP

### TECHNICAL FEATURES

Flow Rate	: 55 lt./min
Pump Inlet - Outlet	: 3/4"
Operation Pressure (Max.)	: 7 bar
Delivery Height (Max.)	: 70 mSS
Suction Depth	: 6m.
Operation Temperature	: -18°C/+100°C
Air Inlet	: 1/4"
Particle Permeability	: 1mm.
Weight	: 4.2 - 4.9 kg.



Air operated diaphragm pumps also operate without any problem in the cases when there is no liquid during the transfer. Shortly, the general pump problem, dry working does not make a problem for an air operated diaphragm pump. Also, pump has the feature to discharge pressured air without damaging its elastomer parts. Pumps having 3/4" inlet, outlet have Aluminium and Plastic (Polypropylene) casings and they have more utilization areas in Packaging, Dying, Food, Chemistry, Leather, Textile and Paper sectors.

## HP10 (1") DIAPHRAGM PUMP

PLASTIC PUMP

METALIC PUMP

### TECHNICAL FEATURES

Flow Rate	: 150 lt./min
Pump Inlet - Outlet	: 1"
Operation Pressure (Max.)	: 7 bar
Delivery Height (Max.)	: 70 mSS
Suction Depth	: 6m.
Operation Temperature	: -18°C/+100°C
Air Inlet	: 1/2"
Particle Permeability	: 4mm.
Weight	: 8 - 9 kg.



Air operated diaphragm pumps is completely ex-proof and provides a safe working environment since electric motor is not used. Pumps having 1" inlet, outlet have Aluminium, Cast Iron, Stainless Steel and Plastic casings and they have more utilization areas in Dying, Chemistry, Leather, Textile, Shoe Sole Manufacturing Enamel, Food, Forestry Products and Paper sectors.

## HP15 (1 1/2") DIAPHRAGM PUMP

### TECHNICAL FEATURES

Flow Rate	: 400 lt./min
Pump Inlet - Outlet	: 1 1/2
Operation Pressure (Max.)	: 7 bar
Delivery Height (Max.)	: 70 mSS
Suction Depth	: 6m.
Operation Temperature	: -18°C/+100°C
Air Inlet	: 3/4"
Particle Permeability	: 6mm.
Weight	: 20.5 - 25 kg.

### PLASTIC PUMP



### METALIC PUMP



Air operated diaphragm pumps have multi-purpose usage features and they have the ability to transfer liquids having particules in high flow rates. Pumps having 1 1/2 inlet, outlet have Aluminium, Cast Iron, Stainless Steel And Plastic (Polypropylene) casings and they have more utilization-areas Dying, Treatment, Casting Industry, Rubber, Cosmetics, Paper sectors. The selection of these pumps having Neoprene, Buna-n EPDM, Vinton, Teflon eyastomers compatible with fluid provide them to have long life.

## HP20 (2") DIAPHRAGM PUMP

### TECHNICAL FEATURES

Flow Rate	: 560 lt./min
Pump Inlet - Outlet	: 2"
Operation Pressure (Max.)	: 7 bar
Delivery Height (Max.)	: 70 mSS
Suction Depth	: 6m.
Operation Temperature	: -18°C/+100°C
Air Inlet	: 3/4"
Particle Permeability	: 6mm.
Weight	: 30 - 32 kg.

### PLASTIC PUMP



### METALIC PUMP



Depending on the materials that are used in an air operated diaphragm pump, it can give performance of 6 meters depth suction and 70 meters height discharge. Pumps having 2" inlet, outlet have Aluminium, Cast Iron, Stainless Steel and Plastic (Polypropylene) casings and they have more utilization areas in Treatment, Dying, White Goods, Casting Industry, Ship, Construction, Rubber, Cosmetics, Mining and Ceramic sectors.

## HP30 (3") DIAPHRAGM PUMP

### TECHNICAL FEATURES

Flow Rate	: 890 lt./min
Pump Inlet - Outlet	: 3"
Operation Pressure (Max.)	: 7 bar
Delivery Height (Max.)	: 70 mSS
Suction Depth	: 6m.
Operation Temperature	: -18°C/+100°C
Air Inlet	: 3/4"
Particle Permeability	: 6mm.
Weight	: 49 - 51 kg.

### PLASTIC PUMP



### METALIC PUMP



Because of its construction design, an air operated diaphragm pump is able to transfer the high-viscosity liquids which are corrosive and have particules ( $\phi=8\text{mm}$ ). Pumps having 3" inlet, outlet have Aluminium, Cast Iron, Stainless Steel and Plastic (Polypropylene) casings and they have more utilization areas Treatment, Construction, Mining and Ceramic sectors.

# SPARE PARTS OF AIR OPERATED DIAPHRAGM

- All spare parts of hugepump transfer pumps are manufactured domestically and they exist stock.
- The reasonable prices of the spare parts eliminates the cost problems of the spare parts.
- By the advantage above, the user has the chance to make stock of the spare parts which are replaced often, so the production will be continuous.
- While choosing a diaphragm pump, the liquid is the decisive factor. The casing and the diaphragms are selected according to the liquid that will be transferred. This makes the life of the pump and the spare parts longer.
- In case of the failure occur in air valve or pilot valve of the pump, the parts may be changed without demounting the pump.
- The replacement of the other spare parts (diaphragm, ball, seat, etc.) are also very easy.



Sleeve and Spool set



Diaphragm



Diaphragm



Ball valve



Outer Diaphragm Plate



Ball Seat



Air valve assembly



Gasket



Inner Diaphragm Plate



Muffler



Gasket and seal



Diaphragm Rod