

AIR AND ELECTRICALLY OPERATED DOUBLE DIAPHRAGM PUMPS

HUGE PUMP

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



Air valve assembly



Ball valve



Outer Diaphragm Plate



Ball Seat



Air valve assembly



Gasket



Inner Diaphragm Plate



Muffler



Gasket and seal



Diaphragm Rod



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AIR OPERATED DOUBLE DIAPHRAGM PUMPS

Air-operated diaphragm pumps are used for various purposes in many areas of industry. It is operated by connecting it to a compressor with a capacity appropriate to the pump size . It has an explosion-proof feature because it does not work with electricity and does not contain any electrically operated parts. For this reason, they are often preferred in explosive production.



TECHNICAL FEATURES	HP 02	HP 06	HP 05	HP 10	HP 15	HP 20	HP 30
Max. Capacity Range (Lt/min.)	0-16	0-30	0-55	0-150	0-400	0-560	0-900
Pump Suction-Discharge (inch)	1/4	1/2	3/4	1	1 1/2	2	3
Max. Opertion Pressure (bar)	7	7	7	7	7	7	7
Max. Pump Head (m.)	70	70	70	70	70	70	70
Max. Suction Lift (m.)	7	7	7	7	7	7	7
Air Connection (inch)	1/4	1/4	1/4	1/2	3/4	3/4	3/4

ADVANTAGES:

1. Corrosion resistant
2. Pumps can use for transferring fluids which contains particles
3. Maintenance is easy and costs are low
4. Flow rate can adjust with change inlet air pressure.
5. Pumps can work without fluids.
6. Suction depth is 7 meter.

AREAS OF USAGE:

1. CHEMICAL INDUSTRY : For transfer acids, alkalis, solvents, alcohols
2. FOOD INDUSTRY : Transferring milk, , cream, mayonnaise, ketchup and similar hygienic fluids
3. REFINING INDUSTRY : For using as dosage, circulation pump, filter press pump
4. SHIPPING INDUSTRY : Transferring bilge, sludge and chemicals
5. TEXTILE INDUSTRY : Transferring textile chemicals
6. PACKAGING INDUSTRY : Transferring for glues, resins, paints, varnishes, compound

ELECTRICALLY OPERATED DOUBLE DIAPHRAGM PUMPS

Electric diaphragm pumps combine all the features of air diaphragm pumps with the energy efficiency of an electrically powered pump. It appeals to a wide range of sectoral uses with its compact structure, simple installation and easy operating principle.



TECHNICAL FEATURES	HP 05 E	HP 10 E	HP 15 E	HP 20 E	HP 30 E
Max. Capacity (Lt/min.)	24,6	66,6	230	350	570
Pump Suction-Discharge (inch)	3/4	1	1 1/2	2	3
Max. Discharge Head (mSS)	20	20	40	40	40
Energy Consumption (kW)	0,25	0,55	2,2 -3- 4	3- 4- 5,5	5,5 - 7,5
Max. Suction Lift (m.)	2	2	4	4	4

ADVANTAGES:

1. Solid partaicles may pass through the pump
2. It can work with an electric motor in environments where there is no or insufficient air
3. Maintenance cost is low Self-priming from dry suction pipe
4. The flow rate can be controlled by connecting the driver to the electric motor of the pump.

AREAS OF USAGE:

1. Chemical industry
2. Marine industry
3. Water treatment
4. Paint, print industry
5. Pulp and paper industry
6. Hygienic applications
7. Mechanical industry