BOXER 300

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SKU: WB300
Categories: Foundry, Pouring and extrusion

Dati Tecnici:

Power:
Compression ratio:
Max. speed
Air consumption:
Flow rate with MAX nozzle:
MAX. pressure
Pipe elevation MAX:
Suggested MAX viscosity:
Stroke volume:
Voltage:
Amperage:
MAX inlet air pressure:
Pressione massima dell'aria in ingresso:
MAX. flow rate
Nozzle size MAX:
Pipe length MAX:
Weight:
Gasket pack:
Cylinder diameter:

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DESCRIZIONE DEL PRODOTTO

LOW PRESSURE ALUMINIUM PUMP, DOUBLE DIAPHRAGM, RATIO 1:1

Delivery: **300 l/m**
Thread: **F 1 1/2**

GENERAL FEATURES

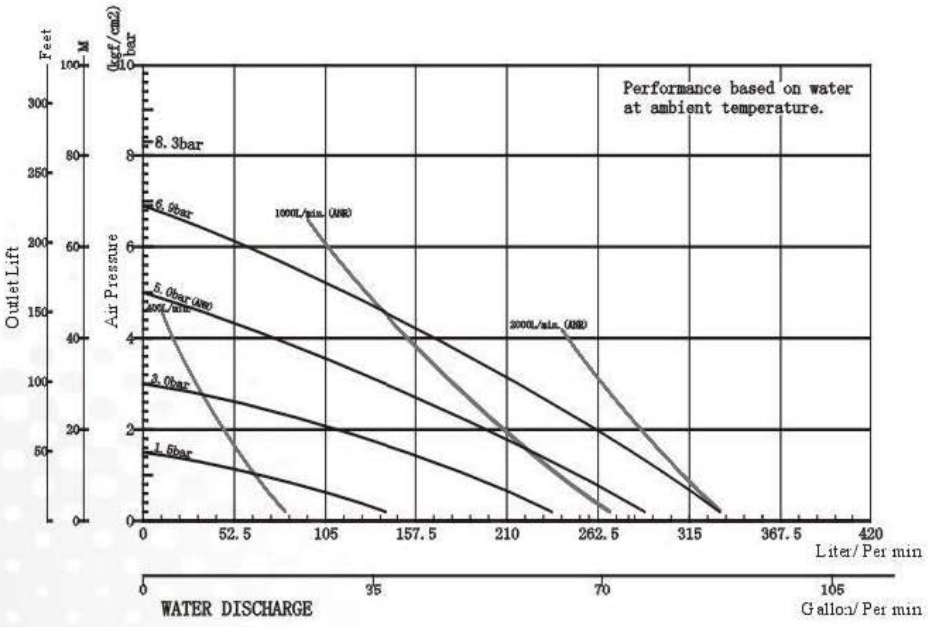
Diaphragm pumps offer significant advantages over other types of pumps, such as the absence of mechanical seals and / or gaskets that are often responsible for the pump breaking under tough working conditions.
These pumps are self-priming, so it is not necessary to fill the fluid suction column to operate and can be used to aspirate liquid deposits, initially having suction pipe full of air.

Maintenance is fast and simple and it's easy to replace components, which makes this type of pump equipment with a very low operating cost.
Diaphragm pumps are very versatile: different set-up are available depending on the working temperatures and fluid to aspire.
The most commonly used materials are neoprene, Viton, Teflon, polyurethane and other synthetic materials.
The high resistance to corrosion and the fact that they do not need to be primed to operate make these pumps widely used in industry for moving almost any liquid (acids, paints, construction, solvents, ceramic industries, chemical industries, food, paints, inks ...).

Specification

Liquid inlet & outlet	1-1/2"PT(BSP)
Air inlet	1/2"PT(BSP)
Air outlet	1"PT(BSP)
Lowest pressure	1.2Bar(kgf/cm^2) ; 17.4psi
Max pressure	8.3Bar(kgf/cm^2) ; 120psi
Working pressure advised	2~5.5Bar(kgf/cm^2) ; 29psi~79.75psi
Quantity / cycle	1.45L
Solid limit	Φ4.8~6mm
Air consumption	2400Liter/Per Min. ; 84.72Scfm/Per Min
Inlet lift (deep)	6 m-wet ; 3.7m-dry
Assemble size	39(L)cm x 29(W)cm x 46(H)cm
Max flow rate	89.7 Gallon/Per Min. ; 340 Liter/Per Min.

Diagram of Curve



DESCRIPTION

This pump has been designed for transferring or pumping solvents, paints, inks, oil, gasoline and abrasive fluids.
In acid-proof version, it is ideal for transferring or pumping highly corrosive liquids.
The double diaphragm system enables a rapid reversal stroke, maintaining constant refilling with no pulsation.
This equipment has been designed to manage any type of air gun; volumetric, automatic, HVLP, etc.

PERFORMANCES

- Lightweight and compact
- No special maintenance
- Very low air consumption
- No lubrication

TECHNICAL FEATURES

It is a pneumatic double diaphragm pump built for transferring and supplying all standard density liquid products. The direct suction from the source container ensures constant supplying. All parts in contact with the product are made of a special acid-resistant and flame-retardant material. No lubrication needing. High reliability.

OPERATING PRINCIPLE

The operating principle of a double diaphragm machine is based on two diaphragms' pneumatic movement. The compressed air moves the air motor which drives a shaft. Two membranes, linked to both the ends of the shaft, alternately pull in and push out the material. Air pumps work in low pressure (0 to 7 bar)

APPLICATIONS' FIELD

- Mechanical Industry
- Construction
- Carpentry
- Transferring
- Chemical Industry
- Car-washing
- Printers

APPLICATIONS

- Impregnating
- Thinners
- Inks
- Lackey
- Lackey
- Epoxy paints

- Polyurethane paints
- Enamels
- Paints
- Water-based paints
- Solvent-based paints