

## DUST PUMPS

BOXER FAMILY



The special DUST KIT lets you transform a normal BOXER double diaphragm pump (normally used to pump fluids), into a pump that can aspirate various types of dust.

## PRESSURE BOOSTER

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In certain applications the pump has to push the product with a higher pressure than the operating pressure (which normally in a system does not exceed 6-7 bar). For these situations we have designed pressure boosters with different compression ratios, according to their use. The component uses the same compressed air that feeds the pump as driving fluid.

## FOOT VALVES

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Check valves are designed to be installed vertically at the end of the suction pipes of centrifugal and pneumatic pumps. They function as check valves that prevent the suction hose from emptying so that the pumps remain always primed. Sizes available: 1", 1" 1/4, 1" 1/2, 2", 3". Construction material: PP and PVDF.

## REINFORCEMENT RINGS

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Steel rings press-fitted on the manifolds of the PP and PVDF pumps prevent them from breaking or being damaged when connecting the pump to the circuit.

## TRUCK FOR BOXER PUMPS

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Equipment used to move the pump. The pump is blocked with the fixing holes.

## BATCH CONTROLLER

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Mechanical batch controller with 5-digit display and start/stop button. Pneumatically driven it doesn't require any electrical connection. Designed to control Debem's air-operated double diaphragm pumps.

## CYCLE COUNTER

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Device that is installed on the pneumatic circuit of diaphragm pumps. It measures the number of strokes performed by the diaphragms and therefore the number of cycles. This device can be used to activate various types of controls, such as for example, the litres of liquid delivered by the pump, according to its displacement capacity, and to remotely control its operation.

## AIR REGULATION KIT

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The kit is designed to regulate and/or set the pressure of the compressed air. It consists of: compressed air reduction filter, fixing bracket, reducer, pressure gauge, Elaston hose (5 m), tap and fittings.

# ACCESSORIES

Debem offers a wide range of accessories for all the types of pumps in its catalogue. Accessories from other manufacturers or designed and built directly by the company, which are the result of our technical experience and specific research in pump applications.



## MICROVALVES

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These valves are used to manually regulate the pump air supply flow rate.

## ANTI-VIBRATION FEET KIT

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These help to decrease the vibrations produced by the pump during its operation.

## ELECTRICALLY OR PNEUMATICALLY DRIVEN

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THREE WAY VALVES



They are used to remotely switch the pump on or off.

## VALVES, FITTINGS AND PIPES

BOXER - CUBIC - MB - DM - IM - TR FAMILY



**Valves and fittings** in polypropylene, PVC and stainless steel. High-resistance clamps for spiral hoses. Reinforced hoses made with food-grade PVC with metal reinforcement, designed to be installed on the delivery/suction side of pumps with hose holders and locking clamps.

**Hose** made with polyethylene, a high density material, with a spiral, covered in rubber, to be applied on the delivery/suction side of the pump. Flexible and crushproof the hose is supplied complete with swivel fittings and plate type clamps. High chemical resistance.

## FLANGE KIT

BOXER - MB - DM - IM - FAMILY



Device that is installed on the pneumatic circuit of diaphragm pumps. It measures the number of strokes performed by the diaphragms and therefore the number of cycles. This device can be used to activate various types of controls, such as for example, the litres of liquid delivered by the pump, according to its displacement capacity, and to remotely control its operation.

## QUICK FITTINGS

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Designed for the chemical sector, they provide a high level of resistance and can be used with reinforced hoses. Max operating pressure 13 bar.

## IM FILTER

IM FAMILY



Filters the suction fluid. For pumps in the IM series Construction material polypropylene and PVDF.

## DISPENSERS

TR FAMILY



Built with Polypropylene, aluminium, stainless steel or PVDF. They include a lever used to control the delivery.

## FLOW METERS

TR FAMILY



The flow meters are installed exclusively on drum transfer pumps and are used to measure the pump's instantaneous flow rate, or the total number of litres delivered. They include a display for the reading. They are built in polypropylene or PVDF.

## DIP TUBE FILTER

TR FAMILY



Filters the suction fluid. For TR series drum transfer pumps. Construction material polypropylene and stainless steel.







# PUMP PROTECTION BASKET STRAINER

Thanks to the large total passage surface of the basket, pump protection filters are **ideally suited to be installed on the suction side of the pump, to protect them from suspended solids, filaments, algae and foreign bodies**, without causing excessive drops in capacity. They can be used in **industrial** applications such as

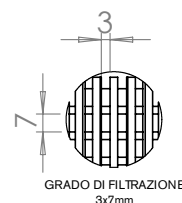
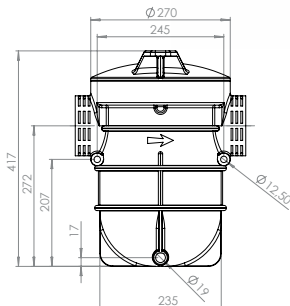
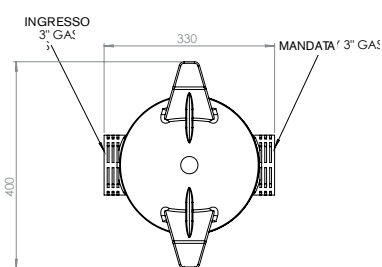
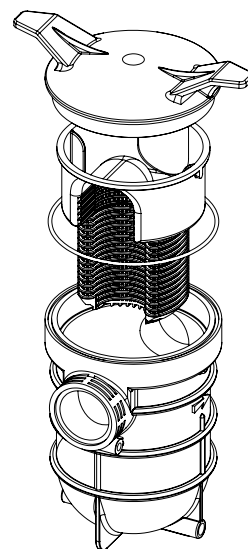
the **chemical industry, water treatment, fish farming, galvanic industry, leather and textile industry, paper industry, graphic industry** and many more. Built in **PP** or **PVDF** No metal parts, Basket is easy to inspect and remove, Operating pressure 1 bar. Available with the following fittings: 1" 1/2 f, 2" f, 2" 1/2 f, 3" f.

- Product designed and constructed in Italy
- No metal parts
- Basket is easy to inspect and remove
- Built in PP and PVDF
- Operating pressure 1 bar

**MAIN APPLICATION SECTORS**

 WATER AND SLUDGE TREATMENT	 GRAPHIC INDUSTRY	 PACKING, GLUE, PAPER AND PAPER MILLS
 CHEMICAL INDUSTRY	 TEXTILE AND LEATHER INDUSTRY	 GALVANIC AND ELECTRONIC INDUSTRY

**BOXER - MB FAMILY**



# MIXERS and PERISTALTIC PUMPS






## MIXERS: E/EH/F/FR/H/J/RV

The compact submerged mixers are designed for a wide range of applications, regardless of the shape and size of the basin. Uses: water treatment plants, biogas plants, production of liquid feedstuffs, transport vehicles, etc.

- Product designed and constructed in Italy
- Built in PP, PVDF, AISI 316
- Great versatility

**MAIN APPLICATION SECTORS**

 WATER AND SLUDGE TREATMENT	 AUTOMOTIVE	 OIL & GAS
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