



MARZI POMPE

MECHANIC COMPANY

FILTERPRESSES FEEDING PUMPS

PISTON PUMPS

DIAPHRAGM PUMPS



THIRTY-YEAR EXPERIENCED

Marzi & C. is on the market from the early 50's with an important production of wine industry machines: exemplary the first grape conveying pump, the pressure filters and the hydraulic wine-press. From 1975 the company focused their intuitions, research and investments over the filterpresses feeding pumps reaching a remarkable specialization and placing its products over the national and European market through various conformity certification.

Today the company Marzi & C. is leader in this field and supply its products to the main producers of filterpresses. Its pumps, as a matter of fact, find wide application in all the industrial sector where is required a conveying of aggressive and high density muddy products for their depuration.

Its thirty-year experience is matured also thanks to a precious co-operation with its customers which create for Marzi & C. an extraordinary resource of stimulus and inspiration. Such a synergy of single experiences and contributions allow our company to resolve criticality and problems transmuting them in innovations.

TWO SOULS: ARTISANAL AND INDUSTRIAL

Marzi & C. keep over its products that manufacturing care which usually distinguish an artisanal production. The range reckon 15 kind of pumps but the company is capable of adapting the products over specific request. Typically industry-oriented are instead the after-sales service and its punctuality, including the prompt delivery spare parts and the human resources helpfulness.

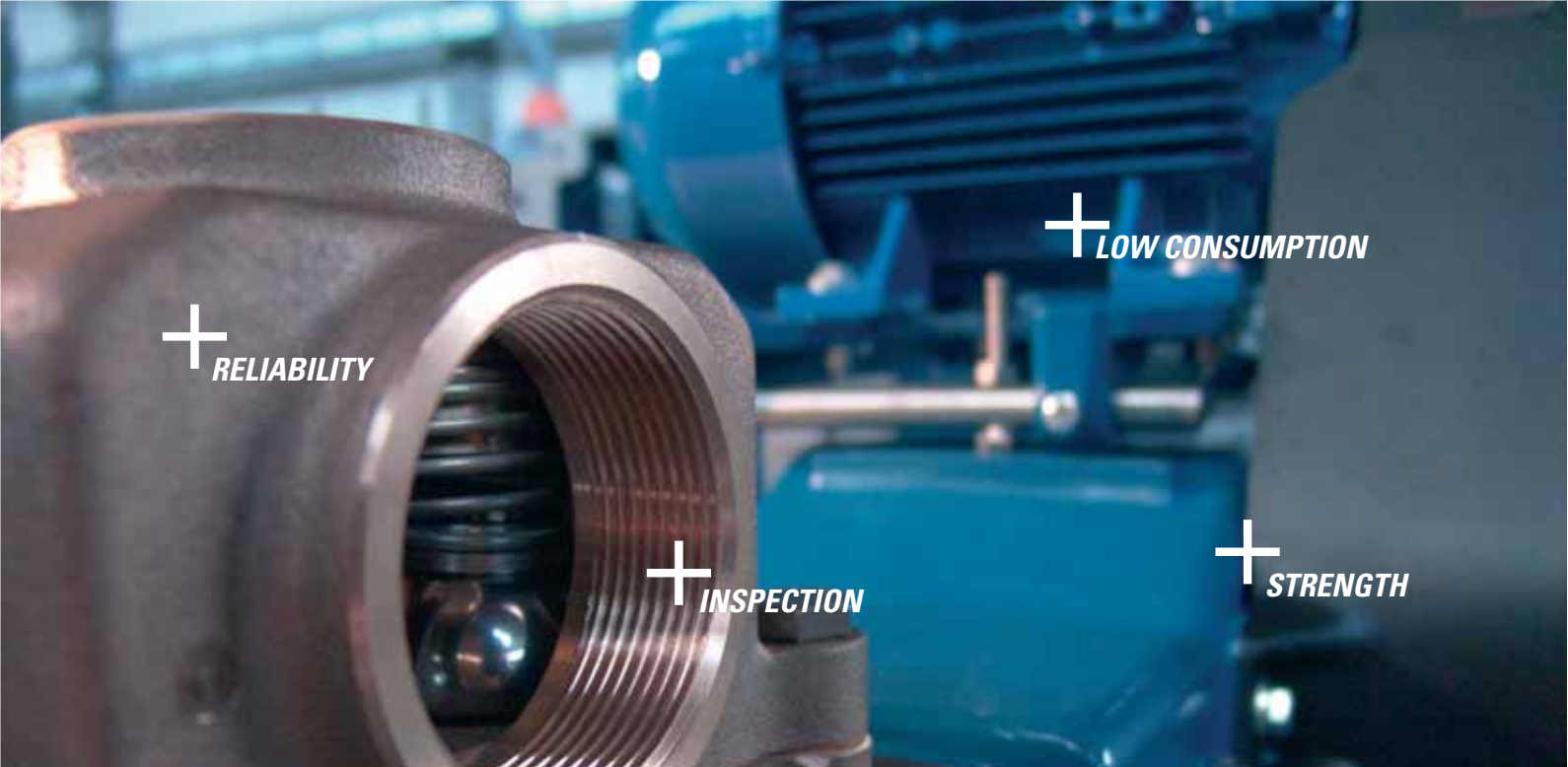
THE WORTH OF THE QUALITIES

Since the beginning Marzi & C. followed a philosophy as simple as important: the customer represents a growth opportunity asking at the same time solutions while proposing suggestions. Innovations and a continuous market confrontation are our answer. The result is a multiplicity of pumps very appreciated for their remarkable head, along with low power consumption, and also for their reliability and quick and effective maintenance, obtained combining top quality materials with strength and simplicity of structure.

During the years it have been placed great emphasis over the pumps design. The research carried out over volumes, lines and proportions brought to a pleasant look that is recognizable in the details and either for the overall effect. It have been reached an unusual aesthetic sharpening for the sector.

PISTON AND DIAPHRAGM PUMPS FOR FILTERPRESSES

15 are the models splitted over 42 versions, distinguished in MC piston pumps and MC-M piston-diaphragm pumps. The MC pumps are particularly suitable for all stages in the pressure transfer of waste waters produced in industrial processes with high suspended solid content such as dregs from wine production, beer and fruit juice, must, container residues, dairy, etc. while the MC-M pumps find their proper application for pumping aggressive and abrasive muddy products like ceramic and industrial derivatives, slurry, etc. Their head characteristics make them particularly suitable for feeding filterpresses.



THE MATERIAL

The parts that make up the pump body are cast in a single block. All parts in contact with pumped materials are cast in bronze or AISI 304 or AISI 316 stainless steel. The fitting pipe thread is conforming to DIN 11851-52 (DIN405) ideal for foodstuff, pharmaceuticals and chemical industry. For special kinds of work or for specific requirements, the pumps can be supplied in a version in which the parts in contact with the pumped product are resistant to even the most aggressive agents.

CONSTRUCTIONAL CHARACTERISTICS

- Remarkable head along with low power consumption
- High reliability thanks to the material quality selected in accordance to their sturdiness, matched with constructive technology that allow a great maintenance easiness.
- Self-priming with a high capacity of suction
- The maintenance is facilitated from the easy inspection and the perfect interchangeability of components.
- However, our company provide to the customer a punctual assistance and a full spare availability for prompt delivery.

APPLICATION FIELDS

The pumps are designed for feeding filterpresses and are particularly suitable for safe suction and transfer of liquids even under extreme conditions for the presence of corrosive or abrasive substances and more generally in the civil and industrial waste waters treatment. The high performances and the wide range of models and materials allow a broad spectrum of applications.

CHEMICAL

- COSMETIC
- GALVANIC
- DYEING-PLANT
- ZINC PLATING
- PHARMACEUTICAL
- CONTAINER RESIDUES
- TANNERY

ALIMENTARY

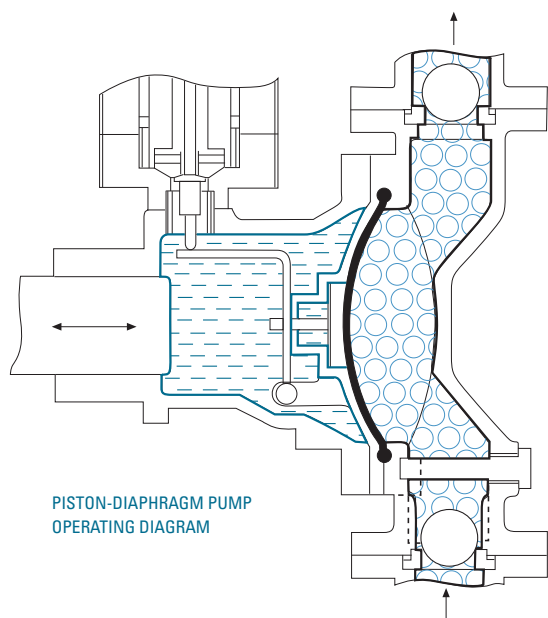
- CANNERY
- WINE DREGS
- MUSTS
- FRUIT JUICES AND BEER
- DAIRY PRODUCTS
- DISTILLERY

INDUSTRIAL

- CERAMIC
- METALLURGICAL
- MECHANICAL
- SURFACE TREATMENTS
- PAINTINGS
- CONTAINER RESIDUES
- GALVANIC
- LAUNDRIES
- MARBLE FACTORIES

WATER TREATMENT

- CIVIL WASTE WATERS
- INDUSTRIAL WASTE WATERS
- CHEMICAL PHYSICAL PLANTS
- SPECIAL WASTE



PISTON PUMPS



MC-08



MC-10



MC-13/18/21



MC-50

THE MC / MC-M PISTON PUMPS THANKS TO THEIR EXTREMELY SIMPLE CONSTRUCTION, ARE EASILY INSPECTABLE AND THE PERFECT INTERCHANGEABILITY OF COMPONENTS ALLOW A QUICK AND EFFICIENT MAINTENANCE.

TYPE	WORKING PRESSURE(BAR)	MAXIMUM PRESSURE(BAR)	PISTON DIAMETER(MM)	CAPACITY (LITRES/HOUR)	ABSORBED POWER(KW)
MC-08	12	15	54	800	0,75
MC-10	12	15	60	1.000	1,1
MC-13	12	15	65	1.300	1,5
MC-18	12	15	75	1.800	2,2
MC-21	12	15	80	2.100	2,2
MC-50	12	15	80x2	5.000	4,0

PISTON-DIAPHRAGM PUMPS



MC-08M



MC-13M/18M/21M



MC-50M

THE MC-M PISTON-DIAPHRAGM PUMPS ARE BUILT TO OFFER REDUCED WEAR IN THE PRESENCE OF ABRASIVE PRODUCTS AS NO MECHANICAL MOVEMENTS ARE IN CONTACT WITH PUMPED MATERIAL. A SPECIALLY DESIGNED VALVE SYSTEM WITH TANK, SAFETY AND RESET VALVES CHECK POSSIBLE MALFUNCTIONING OR DEFECTS.

TYPE	WORKING PRESSURE(BAR)	MAXIMUM PRESSURE(BAR)	PISTON DIAMETER(MM)	CAPACITY (LITRES/HOUR)	ABSORBED POWER(KW)
MC-08M	12	15	55	800	0,75
MC-13M	12	15	65	1.300	1,5
MC-18M	12	15	75	1.800	2,2
MC-21M	12	15	80	2.100	2,2
MC-50M	12	15	80x2	5.000	4,0

DOUBLE-ACTING PISTON PUMPS



MC-36/42



MC-85/100

THE MC / MC-M PUMPS HAVE BEEN DESIGNED FOR INTERMITTENT USE, WITH STOP AT PRE-DETERMINATED PRESSURE BY MEANS OF A PRESSURE SWITCH BUT, PROPERLY COUPLED TO AN ADJUSTABLE FREQUENCY DRIVE (INVERTER), CAN WORK CONTINUOUSLY ADJUSTING TO ANY PARTICULAR PRESSURE AND DELIVERY DEMAND.

TYPE	WORKING PRESSURE(BAR)	MAXIMUM PRESSURE(BAR)	PISTON DIAMETER(MM)	CAPACITY (LITRES/HOUR)	ABSORBED POWER(KW)
MC-36	12	15	75	3.600	2,2
MC-42	12	15	80	4.200	2,2
MC-85	12	15	75X2	8.500	4,0
MC-100	12	15	80X2	10.000	5,5



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