

Made in Italy

PERISTALTIC PUMPS



petrochemical, food, mechanical, environmental, printing, chemical, painting, galvanic, textile and ceramic industry

DEBEM

INDUSTRIAL PUMPS



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PERISTALTIC PUMPS

MP SERIES

The peristaltic pump's operation is obtained through a "flow pressure" which acts on a flexible pipe; such flow pressure is exercised by some rollers which turn parallel to the axis, supported by a roller holder. The slow rotary motion of the roller holder support is transmitted by a two or three passages motor reducer at 35, 86 or 141 rpm's, equipped with a 0.09 KW [1/8 CV] MEC-56 electric motor with a continuous service speed of 1450 rpm's. The inner part of the pump's body and the roller holder are lathed with a precision tolerance, individually gauged during assembly and during the subsequent inspection in order to distribute a uniform pressure on the pipe-membrane, thus guaranteeing a perfect self-priming and a longer life of the pipe-membrane. There are no valves or shutters. The NORTON pipes are extruded with a high precision in order to avoid occlusions and to obtain a lesser volumetric yield. Easy to clean and maintain. Very sturdy construction, alu-casting pump body, painted with epoxy resin. Anodized aluminum roller holder, over dimensioned axes and bearings. Maximum suction height: about 8 meters with a pipe up to Ø 12.7 mm., and about 6 meters with a Ø 15.9 mm pipe. Maximum allowed pressure for the pipe: 1.4 Kg/cm². Maximum temperature



60°C. These pumps can pump viscous liquids with suspended particles, without any damage. They withhold the liquid within their passage, they prevent liquid reflux and the "siphon" effect. They may work under dry conditions and invert the sense or rotation.

The 35 rpm speed is suitable for highly viscous liquids (poly-electrolyte) or for liquids which must remain unaltered (high quality wines).

MP-3 series

TYPE	FLOW RATE LITRES/HOUR	HP R.P.M.	VOLTAGE	Ø Inside dia./ wall PIPE/MEMBRANE	PIPE/MEMBRANE MATERIAL	WEIGHT KG
MP-3035.6	16	1/8 HP 35 rpm	230 S.ph. 230/400	6,4 x 3,2	N/NA/TY	6
MP-3035.9	31	1/8 HP 35 rpm	230 S.ph. 230/400	9,5 x 3,2	N/NA/TY/Ph	6
MP-3086.6	40	1/8 HP 86 rpm	230 S.ph. 230/400	6,4 x 3,2	N/NA/TY	6
MP-3086.9	78	1/8 HP 86 rpm	230 S.ph. 230/400	9,5 x 3,2	N/NA/TY/Ph	6
MP-3118.6	56	1/8 HP 118 rpm	230 S.ph. 230/400	6,4 x 3,2	N/NA/TY	6
MP-3118.9	103	1/8 HP 118 rpm	230 S.ph. 230/400	9,5 x 3,2	N/NA/TY/Ph	6

MP-6 series

TYPE	FLOW RATE LITRES/HOUR	HP R.P.M.	VOLTAGE	Ø Inside dia./ wall PIPE/MEMBRANE	PIPE/MEMBRANE MATERIAL	WEIGHT KG
MP-6035.9	40	1/8 HP 35 rpm	230 S.ph. 230/400	9,5 x 3,2	N/NA/TY/Ph	7
MP-6035.12	70	1/8 HP 35 rpm	230 S.ph. 230/400	12,7 x 3,2	N/NA/TY	7
MP-6086.9	108	1/8 HP 86 rpm	230 S.ph. 230/400	9,5 x 3,2	N/NA/TY/Ph	7
MP-6086.12	177	1/8 HP 86 rpm	230 S.ph. 230/400	12,7 x 3,2	N/NA/TY	7
MP-6118.9	134	1/8 HP 118 rpm	230 S.ph. 230/400	9,5 x 3,2	N/NA/TY/Ph	7
MP-6118.12	226	1/8 HP 118 rpm	230 S.ph. 230/400	12,7 x 3,2	N/NA/TY	7

* Available with pipes made of [N=NORPRENE] [NA=NORPRENE SUITABLE FOR FOOD] [TY=TYGON] [Ph=PHARMED] produced by NORTON®

PERISTALTIC PUMPS



MP-8 series

TYPE	FLOW RATE LITRES/HOUR	HP R.P.M.	VOLTAGE	Ø Inside dia./ wall PIPE/MEMBRANE	PIPE/MEMBRANE MATERIAL	WEIGHT KG
MP-8035.12	101	1/8 HP 35 rpm	230 S.ph. 230/400	12,7 x 3,2	N/NA/TY	8
MP-8035.16	140	1/8 HP 35 rpm	230 S.ph. 230/400	15,9 x 3,2	N/NA	8
MP-8086.12	245	1/8 HP 86 rpm	230 S.ph. 230/400	12,7 x 3,2	N/NA/TY	8
MP-8086.16	364	1/8 HP 86 rpm	230 S.ph. 230/400	15,9 x 3,2	N/NA	8
MP-8118.12	352	1/8 HP 118 rpm	230 S.ph. 230/400	12,7 x 3,2	N/NA/TY	8
MP-8118.16	462	1/8 HP 118 rpm	230 S.ph. 230/400	15,9 x 3,2	N/NA	8

12V PERISTALTIC PUMPS

MPC SERIES

Pumps having the same characteristics as the peristaltic pumps of the MP series, except they are driven by a 12 V CONTINUOUS CURRENT motor. These are used in case of a power failure by connecting them to a battery fed by a solar panel or to a 12 Vdc supply source so as to be able to adjust the speed.



MPC-3 series

TYPE	FLOW RATE LITRES/HOUR	HP R.P.M.	VOLTAGE	Ø Inside dia./ wall PIPE/MEMBRANE	PIPE/MEMBRANE MATERIAL	WEIGHT KG
MPC-3086.6	40	50 W. 86 rpm	12 V	6,4 x 3,2	N/NA/TY	5
MPC-3086.9	70	50 W. 86 rpm	12 V	9,5 x 3,2	N/NA/TY/Ph	5

MPC-6 series

TYPE	FLOW RATE LITRES/HOUR	HP R.P.M.	VOLTAGE	Ø Inside dia./ wall PIPE/MEMBRANE	PIPE/MEMBRANE MATERIAL	WEIGHT KG
MPC-6086.9	108	50 W. 86 rpm	12 V	9,5 x 3,2	N/NA/TY	6
MPC-6086.12	177	50 W. 86 rpm	12 V	12,7 x 3,2	N/NA/TY/Ph	6

MPC-8 series

TYPE	FLOW RATE LITRES/HOUR	HP R.P.M.	VOLTAGE	Ø Inside dia./ wall PIPE/MEMBRANE	PIPE/MEMBRANE MATERIAL	WEIGHT KG
MPC-8086.12	245	50 W. 86 rpm	12 V	12,7 x 3,2	N/NA/TY	7
MPC-8086.16	364	50 W. 86 rpm	12 V	15,9 x 3,2	N/NA/TY/Ph	7

* Available with pipes made of [N=NORPRENE] [NA=NORPRENE SUITABLE FOR FOOD] [TY=TYGON] [Ph=PHARMED] produced by NORTON®

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