

# MC "DOUBLE-CHANNEL"

## Submersible pumps

for sewage water



### PERFORMANCE RANGE

- Flow rate up to **800 l/min** (48 m<sup>3</sup>/h)
- Head up to **15 m**

### APPLICATION LIMITS

- **10 m** maximum immersion depth
- Maximum liquid temperature **+40 °C**
- Passage of suspended solids up to **Ø 50 mm**
- **320 mm** minimum immersion depth for continuous service

### CONSTRUCTION AND SAFETY STANDARDS

- Complete with **10 m** long power cable
- Float switch for single-phase versions

EN 60034-1  
IEC 60034-1  
CEI 2-3



### CERTIFICATIONS



### INSTALLATION AND USE

**MC** series pumps, made from heavy gauge cast iron offering exceptional sturdiness, abrasion resistance and durability, come equipped with a **DOUBLE-CHANNEL** impeller and are capable of pumping liquids containing short fibred suspended solids up to Ø 50 mm.

They are ideal for pumping **sewage, waste water, water mixed with mud, groundwater and surface water** in locations such as apartment blocks, factories, tower garages, underground car parks and cleaning areas, etc.

### PATENTS - TRADE MARKS - MODELS

- Registered Community Design n° 342159-0017

### OPTIONALS AVAILABLE ON REQUEST

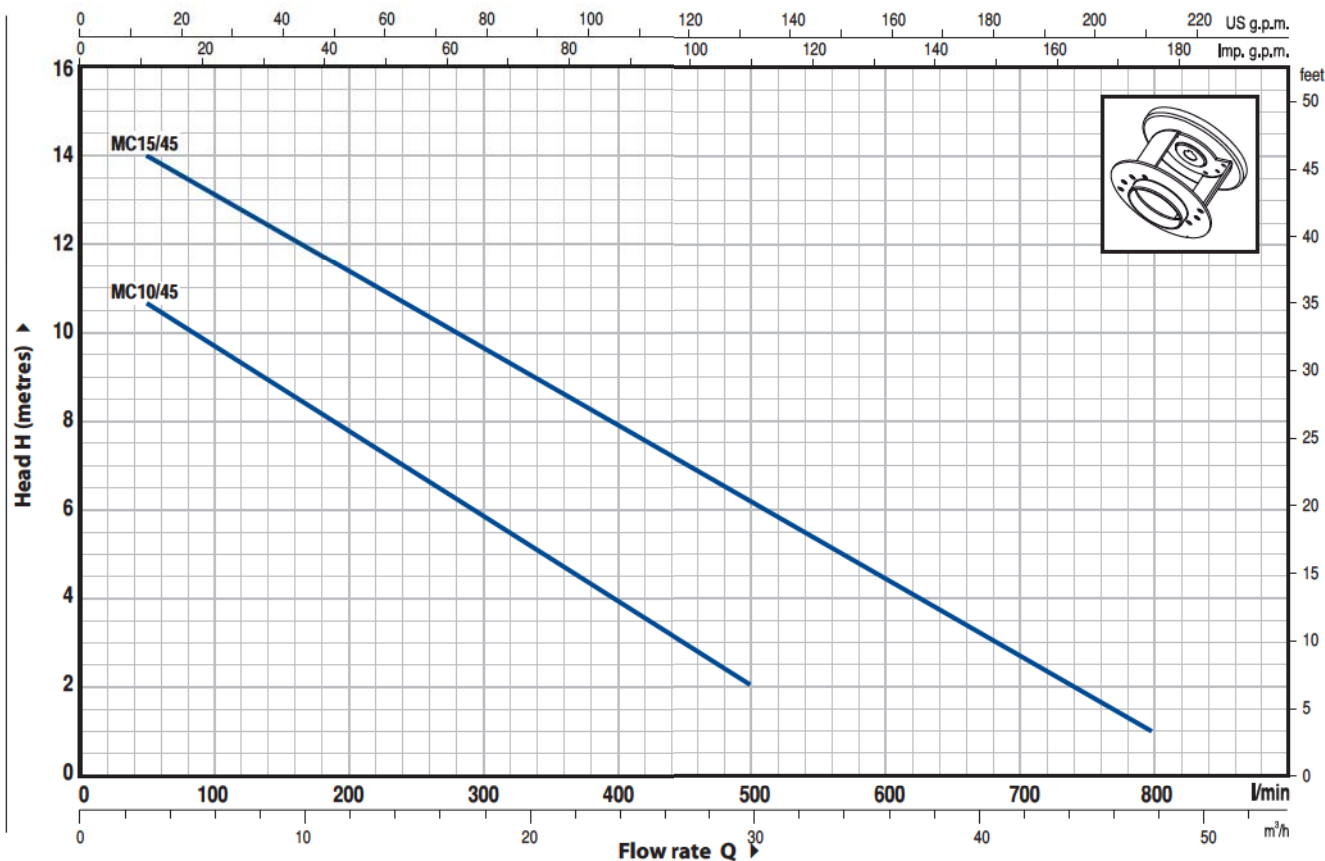
- Single-phase pumps without float switch
- Other voltages or 60 Hz frequency

### GUARANTEE

2 years subject to terms and conditions

# CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 1/min



MODEL		POWER		Q													
Single-phase	Three-phase	kW	HP		m³/h	0	3	6	9	12	15	18	21	24	27	30	36
MCm 10/45	MC 10/45	0.75	1		l/min	0	50	100	150	200	250	300	350	400	450	500	600
MCm 15/45	MC 15/45	1.1	1.5														
				H	metres	12	10.7	9.7	8.7	7.8	6.8	5.9	5	4	3	2	
						15	14	13	12.3	11.5	10.5	9.7	8.8	8	7	6.2	4.5
																2.7	1

Q = Flow rate H = Total manometric head

Tolerance of characteristic curves in compliance with EN ISO 9906 App. A.

# MC "DOUBLE-CHANNEL"

POS.	COMPONENT	CONSTRUCTION CHARACTERISTICS
1	PUMP BODY	Cast iron, with threaded port in compliance with ISO 228/1
2	BASE	Stainless steel AISI 304
3	IMPELLER	Stainless steel AISI 304 DOUBLE-CHANNEL type
4	MOTOR CASING	Cast iron
5	MOTOR CASING PLATE	Stainless steel AISI 304
6	MOTOR SHAFT	Stainless steel EN 10088-3 - 1.4104
7	SHAFT WITH DOUBLE SEAL AND OIL CHAMBER	
	<i>Seal</i>	<i>Shaft</i>
	<i>Model</i>	<i>Diameter</i>
	MG1-14 SIC	Ø 14 mm
		<i>Stationary ring</i>
		Ceramic
		<i>Materials</i>
		<i>Rotational ring</i>
		Silicon carbide
		<i>Elastomer</i>
		NBR
8	LIP SEAL	Ø 15 x Ø 24 x H 5 mm for MC 10/45 Ø 16 x Ø 24 x H 5 mm for MC 15/45
9	BEARINGS	6203 ZZ / 6203 ZZ
10	CAPACITOR	
	<i>Pump</i>	<i>Capacitance</i>
	<i>Single-phase</i>	<i>(230 V or 240 V)</i>
	MCm 10/45	20 µF 450 VL
	MCm 15/45	25 µF 450 VL
11	ELECTRIC MOTOR	
	<ul style="list-style-type: none"> <li>– Single-phase 230 V - 50 Hz with thermal overload protector built-in to the winding</li> <li>– Three-phase 400 V - 50 Hz</li> <li>– Insulation: F class</li> <li>– Protection: IP 68</li> </ul>	
12	POWER CABLE	
	10 metre long "H07 RN-F" cable (with Schuko plug on single-phase versions only)	
13	FLOAT SWITCH	
	(only for single-phase versions)	

