



## DOUBLE-CHANNEL submersible pumps for sewage water

**DOUBLE-CHANNEL cast iron submersible pumps for professional use. Particularly efficient and reliable, with generous motor specification and hard-faced mechanical seal.**



### RANGE OF PERFORMANCE

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

### LIMITS OF USE

Depth up to 10 m  
Liquid temperature up to + 40°C  
Passage of suspended solid bodies up to Ø 45 mm  
For continuous duty: minimum immersion 290 mm from pump base

### CONSTRUCTION AND SAFETY STANDARDS

EN 60034-1  
IEC 34-1  
CEI 2-3



### INSTALLATION AND USE

THE PUMPS IN THE MC SERIES ARE MADE OF EXCEPTIONALLY ROBUST HEAVY-GAUGE CAST IRON, RESISTANT TO ABRASION AND LONG-LASTING. THEY ARE EQUIPPED WITH A **DOUBLE-CHANNEL IMPELLER** WHICH ALLOWS THE DRAINAGE OF LIQUIDS CONTAINING SUSPENDED SOLID BODIES WITH DIMENSIONS UP TO Ø 45 mm AND SHORT FIBRES. THEY ARE IDEAL FOR PUMPING DRAINAGE WATER AND SEWAGE, WASTE WATER INCLUDING WATER MIXED WITH MUD, GROUNDWATER AND SURFACE WATER IN APPLICATIONS SUCH AS: CONDOMINIUMS, MULTI-STOREY AND UNDERGROUND CAR PARKS, WASHING AREAS AND INDUSTRY.

**GUARANTEE 2 YEARS** subject to our general terms of sale.

### CONSTRUCTION CHARACTERISTICS

- **PUMP BODY:** cast iron, with threaded port ISO 228/1.
- **MOTOR CASING AND BASE:** cast iron.
- **IMPELLER:** double-channel, in stainless steel AISI 304.
- **MOTOR SHAFT:** stainless steel EN 10088-3 - 1.4104.
- **DOUBLE SEAL:** mechanical seal silicon carbide - NBR, with oil barrier chamber and inner lip seal to protect the seal in the event of dry running.
- **MOTOR:** submersible asynchronous for continuous duty.  
MCm: single-phase 220÷240 V - 50 Hz with thermal overload protector.  
MC: three-phase 380÷415 V - 50 Hz.
- **INSULATION:** class F. ● **PROTECTION:** IP 68.

### STANDARD FEATURES:

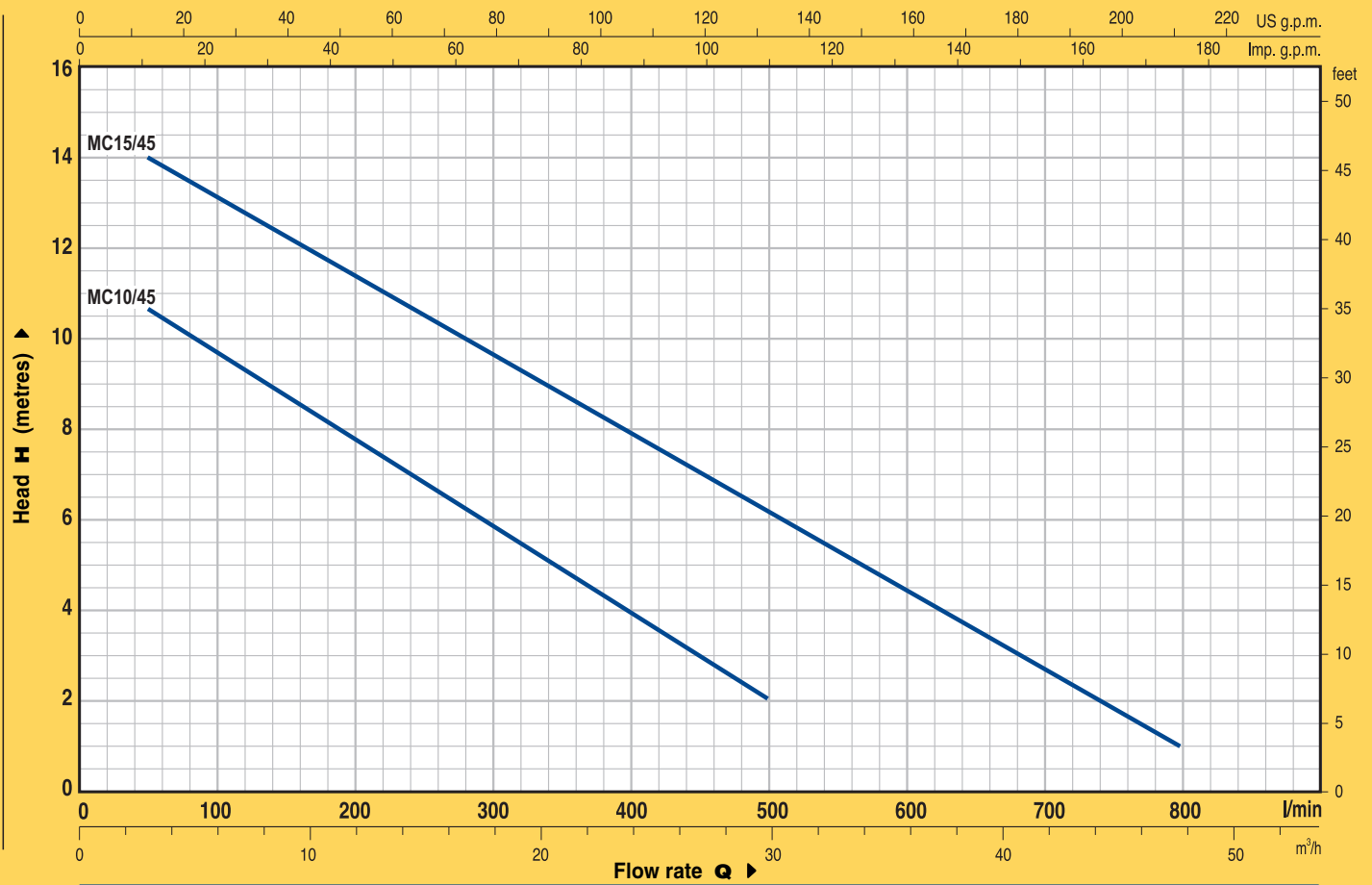
**MCm** (single-phase) Float switch.  
Neoprene power cable "H07 RN-F"  
length **10 metres** with Schuko plug.  
Control box with condenser.

**MC** (three-phase) Neoprene power cable "H07 RN-F"  
length **10 metres**.

### OPTIONS ON REQUEST

- ⇒ control box for three-phase pumps 1.1 kW
- ⇒ single-phase pumps without float switch
- ⇒ other voltages or frequency 60 Hz

**CURVES AND PERFORMANCE DATA AT n= 2900 1/min**

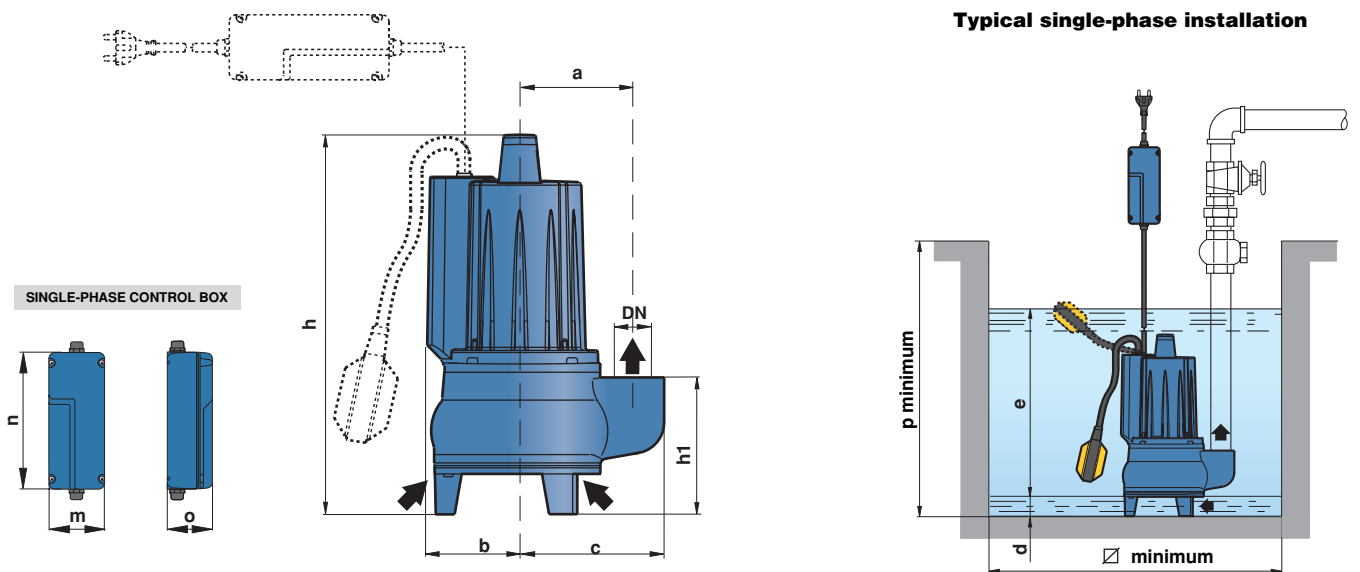


| TYPE         |             | POWER |     | Q        | Flow rate |      |     |      |      |      |     |     |     |     |     |     |     |     |    |
|--------------|-------------|-------|-----|----------|-----------|------|-----|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|----|
| Single-phase | Three-phase | kW    | HP  |          | m³/h      | 0    | 3   | 6    | 9    | 12   | 15  | 18  | 21  | 24  | 27  | 30  | 36  | 42  | 48 |
| MCm 10/45    | MC 10/45    | 0.75  | 1   | l/min    | 0         | 50   | 100 | 150  | 200  | 250  | 300 | 350 | 400 | 450 | 500 | 600 | 700 | 800 |    |
| 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   | 1.5 | 1   | 0.7 |    |
|              |             |       |     |          | 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 the performance curves according to EN ISO 9906 App. A.

**DIMENSIONS AND WEIGHTS**



| TYPE         |             | PORT DN | passage of solid bodies | DIMENSIONS mm |    |     |     |     |    |     |    |    |            |     | kg  |      |      |
|--------------|-------------|---------|-------------------------|---------------|----|-----|-----|-----|----|-----|----|----|------------|-----|-----|------|------|
| Single-phase | Three-phase |         |                         | a             | b  | c   | h   | h1  | m  | n   | o  | d  | e          | p   | Ø   | 1~   | 3~   |
| MCm 10/45    | MC 10/45    | 2"      | Ø 45 mm                 | 110           | 90 | 150 | 375 | 148 | 81 | 200 | 66 | 55 | adjustable | 500 | 500 | 19.9 | 18.3 |
| MCm 15/45    | MC 15/45    |         |                         | 120           | 97 | 163 | 395 | 153 |    |     |    |    |            |     |     | 22.1 | 21.0 |