



PERFORMANCE RANGE

- Flow rate up to **750 l/min** (45 m³/h)
- Head up to **15 m**

INSTALLATION AND USE

The **MC** series features **TWO-CHANNEL** impellers, offering **robust** and reliable performance for demanding applications. Constructed from thick cast iron, these pumps are exceptionally strong and resistant to abrasion, ensuring continuous operation.

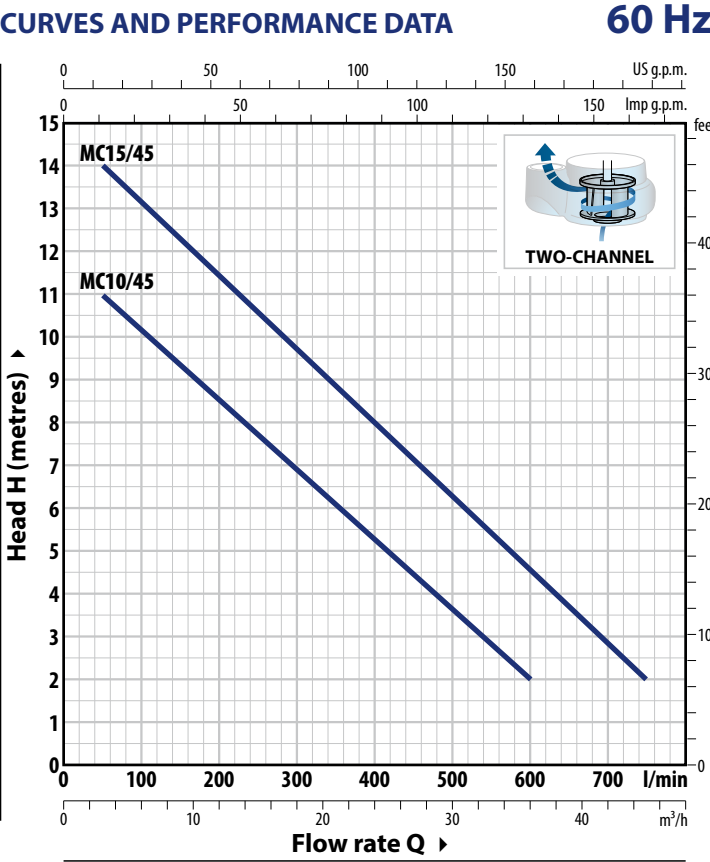
They are perfectly suited for draining **dirty water with suspended solids, and sewage**.

- INCLUDES**
- ✧ Power cable length **10 m**
 - ✧ Float switch (exclusive to single-phase models)
- APPLICATION LIMITS**
- Depth below water level up to **10 m** (with an appropriately sized power cable)
 - Liquid temperature up to **+40 °C**
 - Capable of processing suspended solids up to **Ø 50 mm**
 - **Minimum immersion for continuous service: 305 mm**

AVAILABLE UPON REQUEST

- ✧ Different voltage or frequency

- PATENTS - TRADE MARKS - MODELS**
- Patent No. IT0001428923
 - Registered Community Model No. 002501486-0003



ABSORPTION

TYPE	VOLTAGE	
	220 V	110 V
Single-phase		
MCm 10/45	6.3 A	12.6 A
MCm 15/45	8.8 A	–

TYPE	VOLTAGE	
	380 V	440 V
Three-phase		
MC 10/45	2.4 A	2.1 A
MC 15/45	3.8 A	3.3 A

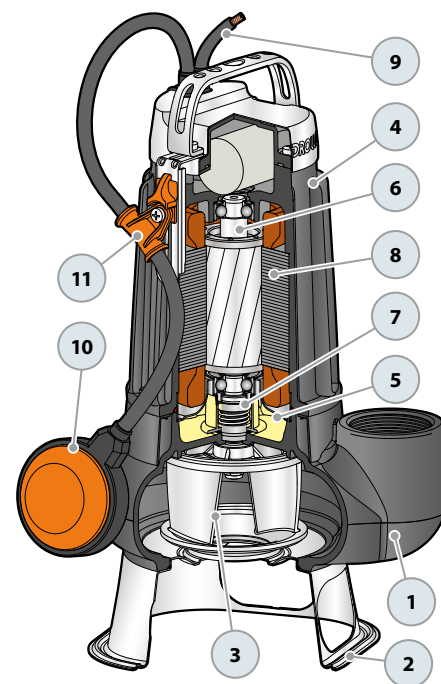
TYPE		POWER (P ₂)		Q m ³ /h l/min	0	3	6	12	18	24	30	36	42	45
Single-phase	Three-phase	kW	HP		0	50	100	200	300	400	500	600	700	750
MCm 10/45	MC 10/45	0.75	1	H metres	12	11	10	8.5	7	5	3.5	2		
MCm 15/45	MC 15/45	1.1	1.5		15	14	13	11.5	9.7	8	6.3	4.5	3	2

Q = Flow rate H = Total manometric head

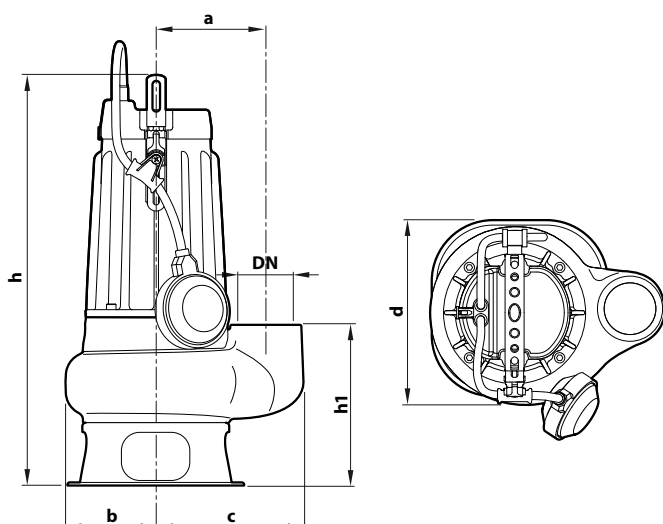
Performance curves comply with EN ISO 9906 Grade 3B tolerance limits.

MATERIALS AND COMPONENTS

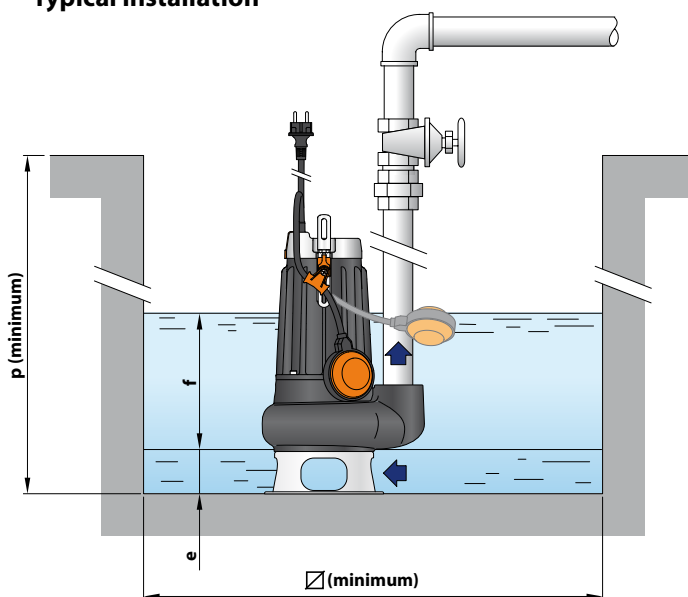
1 Pump body	Cast iron with cataphoresis treatment for greater corrosion resistance with ISO 228/1 threaded port		
2 Base	Stainless steel AISI 304		
3 Impeller	Two-channel type in micro-cast AISI 304 stainless steel		
4 Motor holder	Cast iron with cataphoresis treatment		
5 Motor cover	Stainless steel AISI 304		
6 Motor shaft	Stainless steel AISI 431		
7 Double mechanical seal with interposed oil chamber			
Seal	Shaft	Location	Materials
MG1-14D SIC	Ø 14 mm	Motor side	SiC / Graphite / NBR
		Pump side	SiC / SiC / NBR
8 Electric motor			
MCm : single-phase 220 V - 60 Hz or 110 V - 60 Hz	with winding integrated thermal motor protection		
MC : three-phase 380 V - 60 Hz or 440 V - 60 Hz			
– Insulation: class F – Protection rating: IP X8			
9 Power cord			
Type 'H07 RN-F' (Schuko plug exclusive to single-phase models)			
※ Standard length 10 metres			
10 Float switch	(exclusive to single-phase models)		
11 Tilting device for the float cable			
(exclusive to single-phase models)			
Patent No. IT0001428923			



DIMENSIONS AND WEIGHT



Typical installation



TYPE		PORT DN	Passage of solid bodies	DIMENSIONS mm										kg	
Single-ph.	Three-ph.			a	b	c	d	h	h1	e	f	p	Ø	1~	3~
MCm 10/45	MC 10/45	2"	Ø 50 mm	115	95	155	200	434	169	60	adjustable	500	500	19.2	17.7
MCm 15/45	MC 15/45													20.1	19.3

GROUPAGE	CONTAINER
n. pumps	n. pumps
45	60
45	60