TOP Submersible pumps for DRAINAGE

Clear waters

Domestic use

※ **TOP**

Drainage pumps: reliable and durable

PERFORMANCE RANGE

- Flow rate up to **360 l/min** (21.6 m³/h)
- Head up to **15.5 m**

INSTALLATION AND USE

The **TOP** series is excellent for draining **clear water** without abrasive particles. Construction features ensure user-friendly and safe operation, including motor cooling and a double shaft seal. Recommended for emergency drainage of small, flooded areas (rooms, basements, garages), disposing of household water (dishwashers, washing machines), and emptying sumps.

APPLICATION LIMITS

- Liquid temperature up to +**40 °C** and up to **+90 °C** for short bursts (up to 3 minutes max) for intermittent service
- Capable of processing suspended solids up to **Ø 10 mm**
- Draining capability:
  - up to **14 mm** from the bottom for TOP 1-2-3
  - up to **30 mm** from the bottom for TOP 4-5
- Maximum operating depth below water level:
  - up to **3 m** for TOP 1-2-3
  - up to **5 m** for TOP 4-5

  (with an appropriately sized power cable)

PATENTS - TRADE MARKS - MODELS

- Patent No. IT0001428923
- Registered Community Model No. 342159-0011

INCLUDES

※ **5 m** power cable
※ Float switch

AVAILABLE UPON REQUEST

※ Mechanical seal options available
※ Different voltage or frequency
※ Power cable length **10 m**
※ **TOP-GM** " pumps with magnetic float operation (suitable for small sumps)

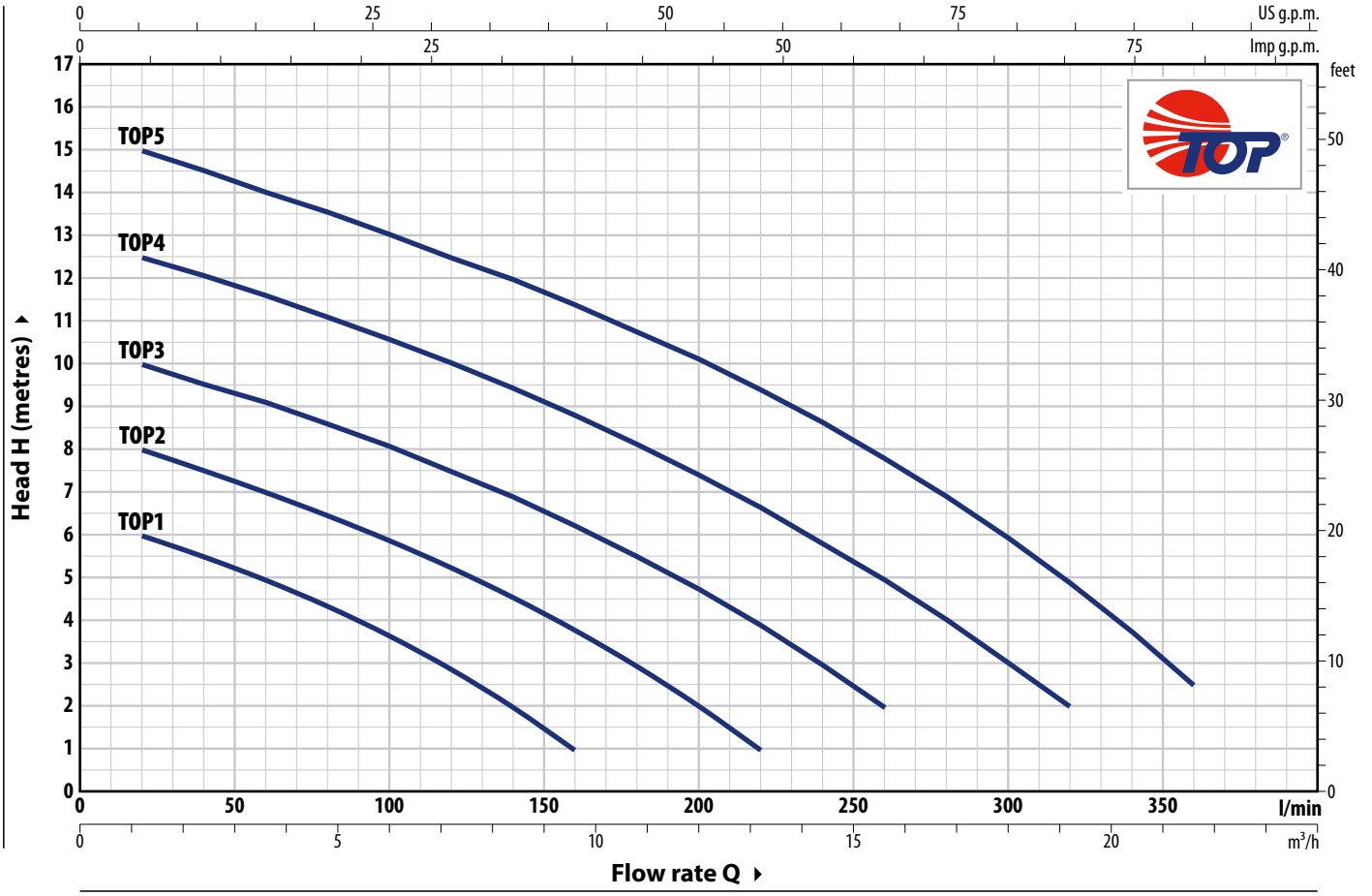
※ **TOP-LA"** special pumps with all metal components in contact with the pumped liquid in AISI 316 stainless steel

※ **TOP LA**

※ **TOP GM**

CURVES AND PERFORMANCE DATA

60 Hz



TYPE Single-phase	POWER (P2) kW	POWER (P2) HP	Q m³/h	0	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8	12.0	13.2	14.4	15.6	18.0	19.2	21.6
			Q l/min	**0**	**20**	**40**	**60**	**80**	**100**	**120**	**140**	**160**	**180**	**200**	**220**	**240**	**260**	**300**	**320**	**360**
TOP 1	0.25	0.33		6.5	6	5.5	5	4.4	3.7	3	2	1								
TOP 2	0.37	0.50		8.5	8	7.5	7	6.5	6	5.3	4.6	3.8	3	2	1					
TOP 3	0.55	0.75	**H** m	10.4	10	9.6	9	8.6	8	7.5	7	6.3	5.5	4.8	4	3	2			
TOP 4	0.75	1		13	12.5	12	11.6	11	10.6	10	9.5	8.8	8.2	7.4	6.7	6	5	3	2	
TOP 5	0.92	1.25		15.5	15	14.5	14	13.6	13	12.6	12	11.4	10.8	10	9.4	8.7	7.8	6	5	2.5

Q = Flow rate **H** = Total manometric head

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

ABSORPTION

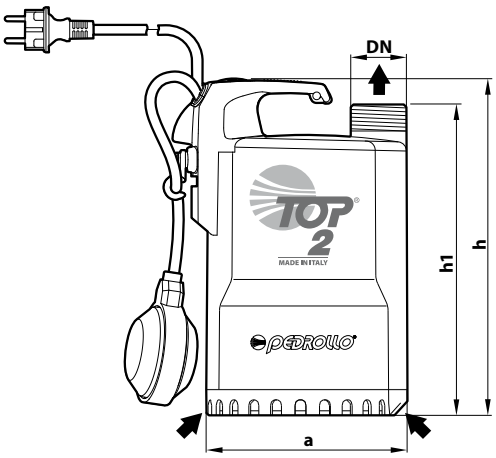
TYPE Single-phase	VOLTAGE 220 V
TOP 1	1.5 A
TOP 2	2.2 A
TOP 3	3.7 A
TOP 4	5.0 A
TOP 5	6.0 A

TYPE Single-phase	VOLTAGE 110 V
TOP 1	3.0 A
TOP 2	4.5 A
TOP 3	8.6 A
TOP 4	9.8 A
TOP 5	–

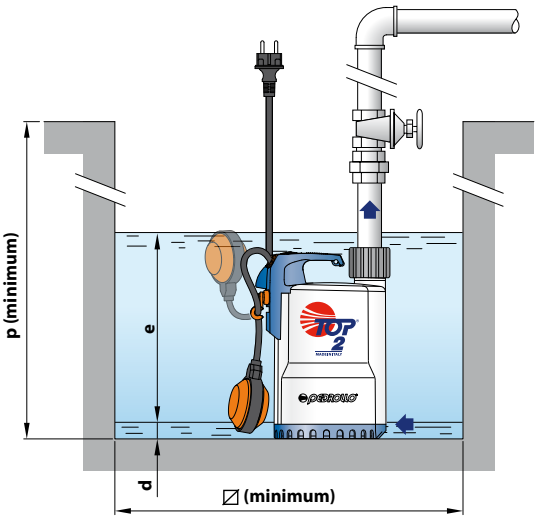
※ **TOP-LA** and **TOP-GM** pumps have the same performance

TOP

DIMENSIONS AND WEIGHT



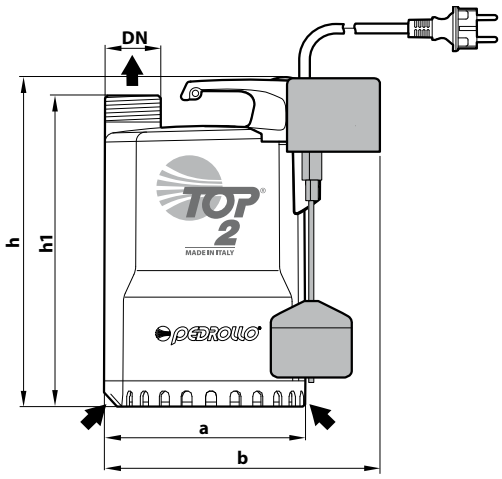
Typical installation



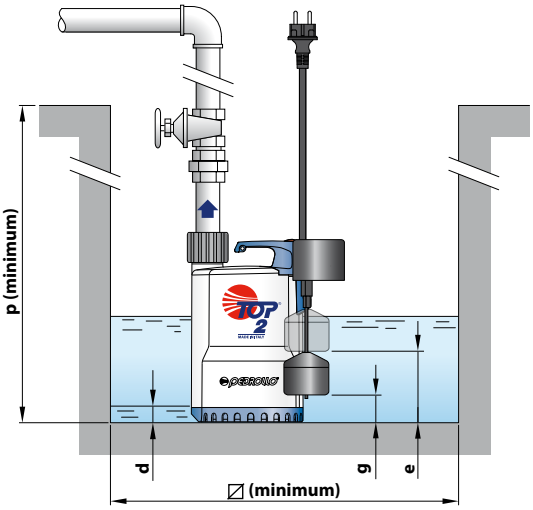
TYPE	PORT	DIMENSIONS mm							kg
Single-phase	DN	a	h	h1	d	e	p	⍁	
TOP 1	1¼"	152	260	240	14	adjustable	350	350	5.4
TOP 2									5.4
TOP 3			290	270					6.7
TOP 4	1½"	204	337	313	30		450	450	10.3
TOP 5									11.3

※ **TOP-LA** pumps have the same dimensions

※ Version with 'GM' magnetic float switch



Typical installation



TYPE	PORT	DIMENSIONS mm									kg
Single-phase	DN	a	b	h	h1	d	e	g (adjustable)	p	⍁	
TOP 1 - GM	1¼"	152	200	260	240	14	140	35	350	220	5.4
TOP 2 - GM											5.4
TOP 3 - GM				290	270		170	40			6.9
TOP 4 - GM	1½"	204	-	337	313	30	220	65	450	300	10.5
TOP 5 - GM											11.4

PALLET CAPACITY

TYPE	GROUPAGE	CONTAINER
Single-phase	n. pumps	n. pumps
TOP 1	96	144
TOP 2	96	144
TOP 3	96	144
TOP 4	60	100
TOP 5	60	100

TYPE	GROUPAGE	CONTAINER
Single-phase	n. pumps	n. pumps
TOP 1- GM	80	120
TOP 2 - GM	80	120
TOP 3 - GM	80	120
TOP 4 - GM	45	60
TOP 5 - GM	45	60

TOP 1-2-3

MATERIALS AND COMPONENTS

1	**Pump body**	Technopolymer
2	**Suction filter**	Technopolymer
3	**Suction cover**	Stainless steel **AISI 304** (for TOP-LA versions **AISI 316L**)
4	**Diffuser**	Technopolymer
5	**Impeller**	Noryl™
6	**Motor sleeve**	Stainless steel **AISI 304** (for TOP-LA versions **AISI 316L**)
7	**Motor cover**	**AISI 304** stainless steel
8	**Motor shaft**	Stainless steel **AISI 431** (for TOP-LA versions **AISI 316L**)

9 Mechanical seal

Water pump	Seal	Shaft	Materials
TOP 1-2-3	**STA-12R**	Ø 12 mm	Ceramic / Graphite / NBR
TOP 2-3 LA	**AR-12R LA**	Ø 12 mm	Ceramic / Graphite / NBR

10 Sealing ring Ø 12 x Ø 19 x H 5 mm

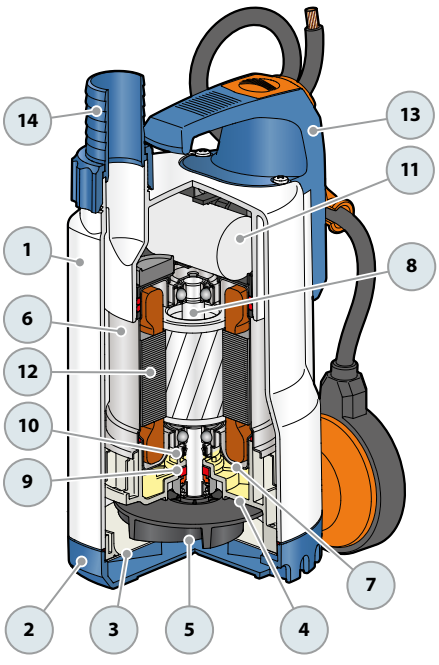
11 Capacitor

12 Electric motor
TOP: single-phase 220 V - 60 Hz or 110 V - 60 Hz with winding integrated thermal motor protection
- Continuous duty S1 - Insulation: class F
- Protection rating IP X8

13 Handle group
Complete with
– 5 m power cable type 'H07 RN-F' with Schuko plug
– Float switch (vertical operation in GM versions)

14 Ferrule and hose nozzle

Hose connector Ø 25 mm for TOP 1
Ø 35 mm for TOP 2-3



TOP 4-5

MATERIALS AND COMPONENTS

1	**Pump body**	Technopolymer
2	**Suction filter**	Technopolymer
3	**Suction cover**	Stainless steel **AISI 304**
4	**Diffuser**	Technopolymer
5	**Impeller**	Noryl™
6	**Motor sleeve**	Stainless steel **AISI 304**
7	**Motor cover**	Stainless steel **AISI 304**
8	**Motor shaft**	Stainless steel **AISI 431**

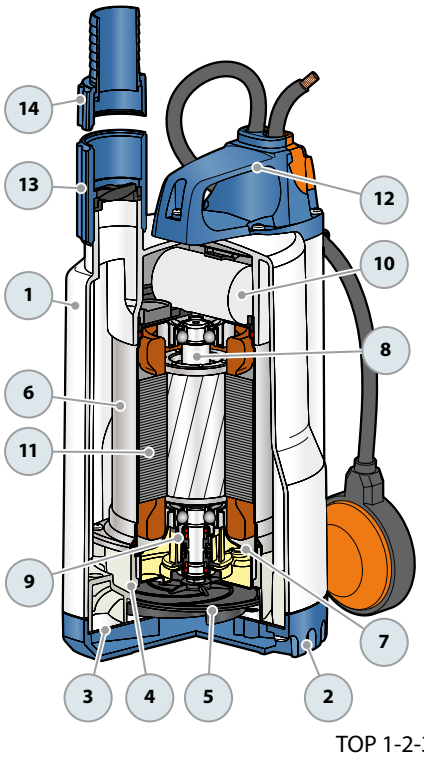
9 Double mechanical seal with interposed oil chamber

Seal	Shaft	Location	Materials
MG1-14D SIC	Ø 14 mm	Motor side	SiC / Graphite / NBR
		Pump side	SiC / SiC / NBR

10 Capacitor

11 Electric motor
TOP: single-phase 220 V - 60 Hz or 110 V - 60 Hz with winding integrated thermal motor protection
- Continuous duty S1 - Insulation: class F
- Protection rating IP X8

12 Handle group
Including:
– 5 m power cable type 'H07 RN-F' with Schuko plug
– Float switch (vertical operation in GM versions)

13 Sleeve
Threaded technopolymer 1½" with clapet valve

14 Ferrule and hose nozzle
Hose connector Ø 41 mm