

# TOP MULTI

## Submersible Multi-Stage Pumps

 Clean Water

 Residential

 Commercial



TOP MULTI 1



TOP MULTI 2-3-4-5

### PERFORMANCE RANGE

- Flow Rate up to **31 GPM** (120 l/min) (7.2 m<sup>3</sup>/h)
- Head up to **170 feet** (52 m)

### APPLICATION LIMITS

- Immersion Depth:
  - Up to **9 feet** (3 m) for TOP MULTI 1
  - Up to **32 feet** (10 m) for TOP MULTI 2-3-4-5 (with a sufficiently long power cable)
- Maximum Liquid Temperature **104°F** (+40°C)
- Suction Level:
  - **0.98 in** (25 mm) above ground level for TOP MULTI 1
  - **1.3 in** (35 mm) above ground level for TOP MULTI 2-3-4-5
- Continuous Duty Rating **S1**

### CONSTRUCTION AND SAFETY STANDARDS

- Complete with:
- **32 feet** (10 m) long power cable
  - Float switch
  - Jose connector **Ø 1.3 in** (35 mm)
  - Complete connector with flap-check valve

EN 60335-1  
IEC 60335-1  
CEI 61-150

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



### CERTIFICATIONS

Company with management system certified DNV  
ISO 9001: QUALITY

### FEATURES AND BENEFITS

- Clean water that does not contain abrasive particles
- Liquids that are not chemically aggressive
- Easy to Use

### APPLICATIONS AND MARKETS

- Residential
- Irrigation Systems
- Draining Small Areas
- Waste Water Disposal

### PATENTS - TRADE MARKS - MODELS

- Registered EU Design No. 000885587 for TOP MULTI 2-3-4-5
- TOP MULTI® Registered Trade Mark No. 0001334477

### OPTIONS AVAILABLE ON REQUEST

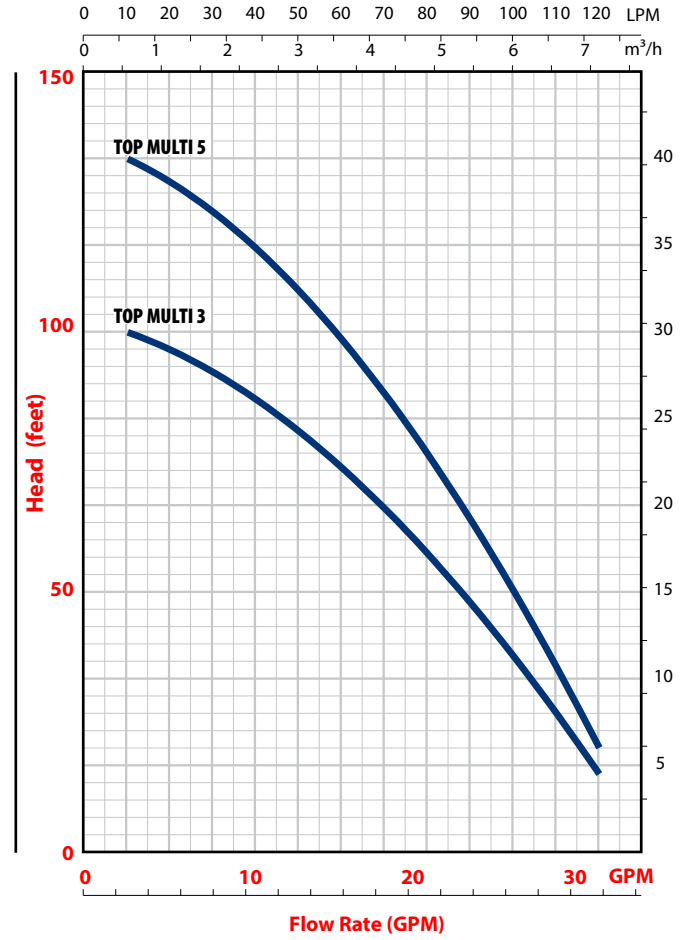
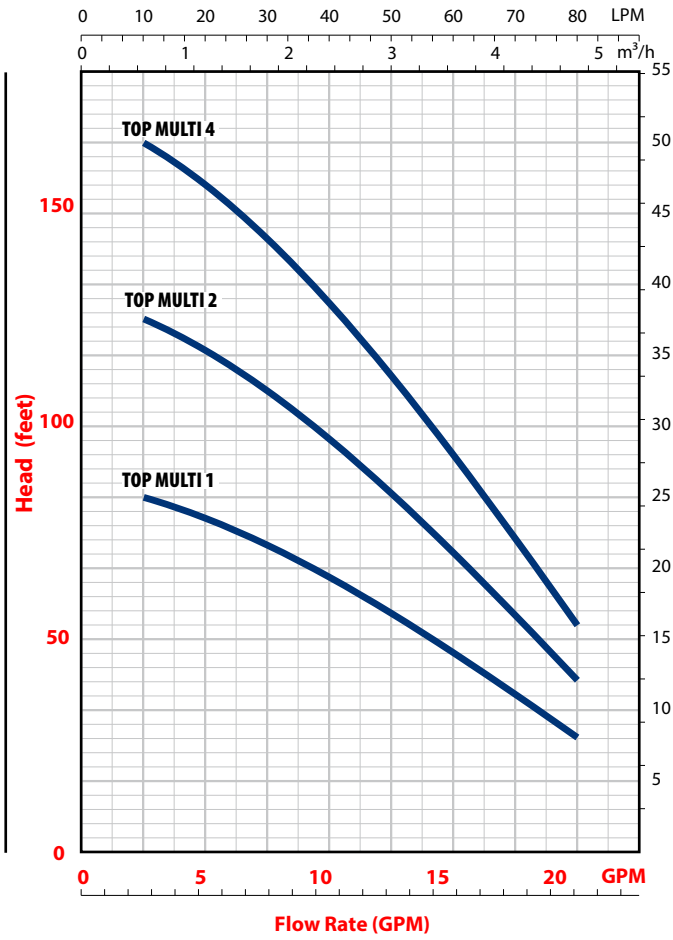
- Pumps without float switch
- Other voltages

### GUARANTEE

**2 YEARS** subject to terms and conditions

## PERFORMANCE CURVES AND DATA

60 Hz RPM = 3450



### TOP MULTI 1 - 2 - 4

MODEL NUMBER Single-phase	MOTOR SIZE		HEAD (feet)	LPM	0	10	20	30	40	50	60	70	80
	kW	HP		GPM	0	2.6	5.3	7.9	10.6	13.2	15.8	18.5	21.1
TOP MULTI 1	0.37	0.50		85.3	82	77.1	70.9	63.3	55.1	45.9	36.1	26.2	
TOP MULTI 2	0.55	0.75		127.9	123	116.5	106.6	95.1	82	68.9	54.5	39.4	
TOP MULTI 4	0.75	1.00		170.6	164	154.2	141.1	126.3	109.9	91.9	72.5	52.5	

### TOP MULTI 3 - 5

MODEL NUMBER Single-phase	MOTOR SIZE		HEAD (feet)	LPM	0	10	20	30	40	50	60	70	80	90	100	110	120
	kW	HP		GPM	0	2.6	5.3	7.9	10.6	13.2	15.8	18.5	21.1	23.8	26.4	29.1	31.7
TOP MULTI 3	0.55	0.75		100.1	98.4	95.1	88.6	85.3	79.7	72.8	64.9	56.4	45.9	37.1	26.2	14.8	
TOP MULTI 5	0.75	1.00		134.5	131.2	126.3	121.4	114.8	106.6	96.8	86.9	75.1	63.9	49.5	35.1	19.7	

Tolerance of characteristic curves in compliance with EN ISO 9906 Grade 3B.

## POS. COMPONENT CONSTRUCTION CHARACTERISTICS

1	<b>PUMP BODY</b>	Glass fibre reinforced technopolymer complete with threaded delivery port in compliance with ISO 228/1
2	<b>SUCTION FILTER</b>	Glass fibre reinforced technopolymer
3	<b>STAGE CASING</b>	Glass fibre reinforced technopolymer
4	<b>IMPELLERS</b>	Noryl
5	<b>DIFFUSER AND STAGE BOXES</b>	Noryl complete with anti-wear ring
6	<b>VANE DIFFUSER</b>	Glass fibre reinforced technopolymer
7	<b>MOTOR CASING</b>	Stainless steel AISI 304
8	<b>MOTOR CASING PLATE</b>	Stainless steel AISI 304
9	<b>MOTOR SHAFT</b>	Stainless steel AISI 431

### 10 SHAFT WITH DOUBLE SEAL AND OIL CHAMBER

Seal Model	Shaft Diameter	Materials			
		Stationary ring	Rotational ring	Elastomer	Metals
STA-12R	Ø 0.4 in	Ceramic	Graphite	NBR	AISI 304

11 **LIP SEAL** Ø 0.4 x Ø 0.7 x H 0.2 in

12 **BEARINGS** 6201 ZZ - C3E / 6201 ZZ - C3E

### 13 CAPACITOR

Capacitance (220 V)	(110 V or 127 V)
10 µF 450 VL	16 µF 250 VL

### 14 ELECTRIC MOTOR

**TOP MULTI 1:** single-phase 220 V - 60 Hz with thermal overload protector incorporated into the winding.

- Insulation: class F
- Protection: IP X8

### 15 HANDLE ASSEMBLY (resin sealed)

- Complete with:
- 32.8 feet long "H07 RN-F" power cable with Schuko plug
  - Float switch

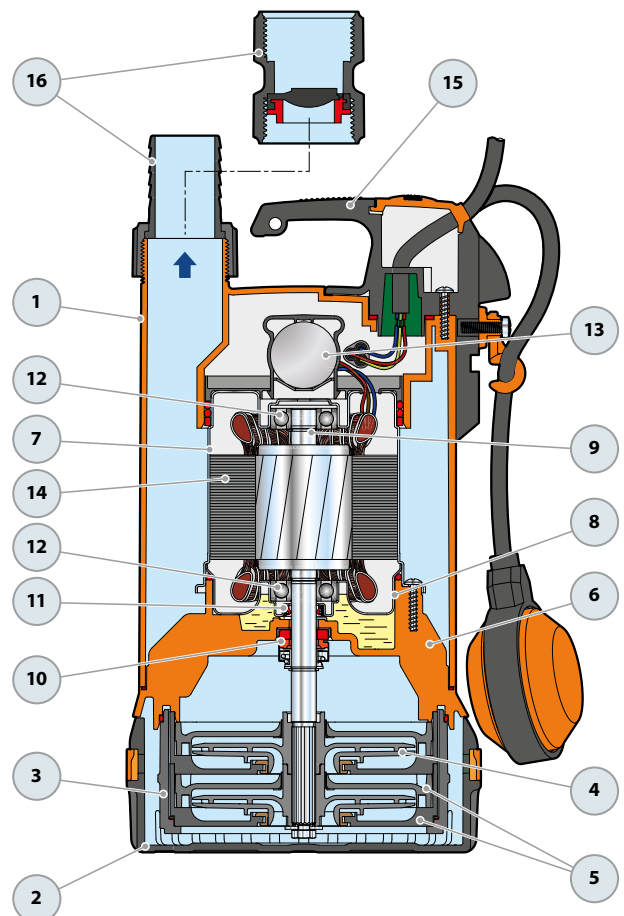
### 16 HOSE CONNECTOR WITH RING NUT

Ø 1.4 in hose connection

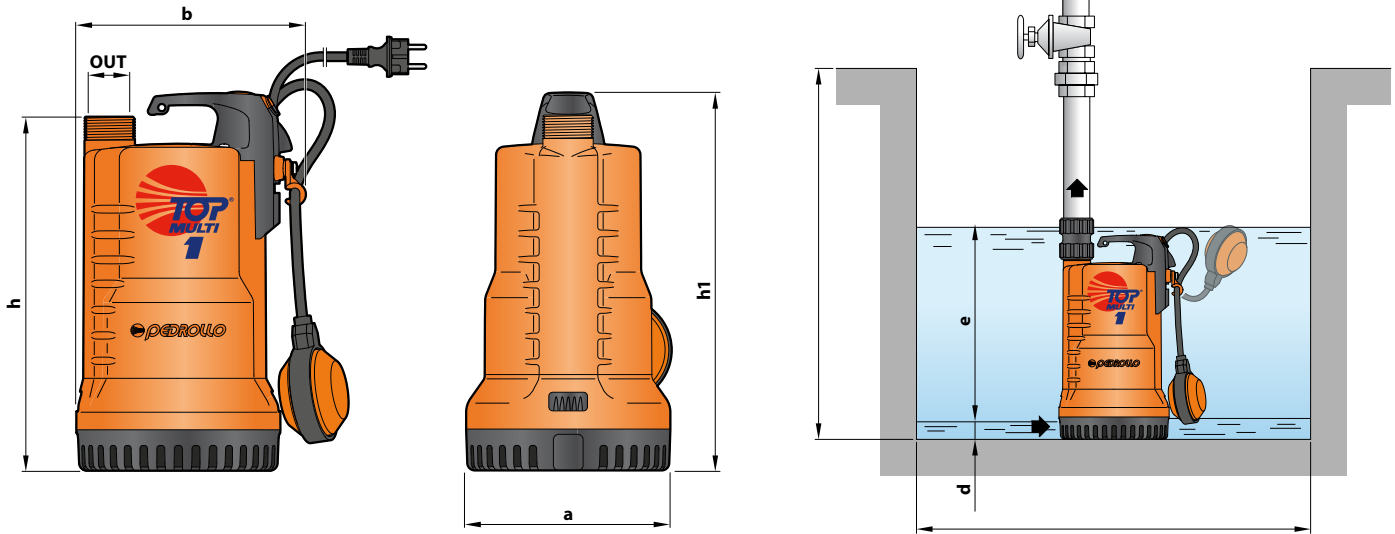
#### PIPE COUPLING

Threaded 1¼" in compliance with ISO 228/1, complete with flap-check valve

(Included in the equipment)



## DIMENSIONS AND WEIGHT



MODEL NUMBER	PORT OUT	No. STAGES	DIMENSIONS (inches)								Lbs	
			a	b	h	h1	d	e	p	∅		
Single-phase												
<b>TOP MULTI 1</b>	<b>1¼"</b>	<b>2</b>	<b>0.67</b>	<b>7.56</b>	<b>11.6</b>	<b>12.4</b>	<b>0.98</b>	<b>variable</b>	<b>13.8</b>	<b>13.8</b>	<b>14.9</b>	

## ABSORPTION

MODEL NUMBER	VOLTAGE		
	220 V	110 V	127 V
<b>TOP MULTI 1</b>	<b>2.3 A</b>	<b>4.8 A</b>	<b>4.5 A</b>

## POS. COMPONENT CONSTRUCTION CHARACTERISTICS

1	<b>DELIVERY BODY</b>	Glass fibre reinforced technopolymer complete with threaded delivery port in compliance with ISO 228/1
2	<b>PUMP BODY AND SUCTION FILTER</b>	Glass fibre reinforced technopolymer
3	<b>DIFFUSER</b>	Glass fibre reinforced technopolymer
4	<b>MOTOR SLEEVE AND MOTOR CASING PLATE</b>	Stainless steel AISI 304
5	<b>IMPELLERS</b>	Noryl
6	<b>DIFFUSERS</b>	Noryl complete with anti-wear ring
7	<b>MOTOR SHAFT</b>	Stainless steel AISI 431

### 8 TWO MECHANICAL SEALS SEPARATED BY AN OIL CHAMBER

Seal Model	Shaft Diameter	Position	Materials		
			Stationary ring	Rotational ring	Elastomer
STA-13R	Ø 0.5 in	Motor side	Ceramic	Graphite	NBR
STA-12R SG	Ø 0.4 in	Pump side	Silicon carbide	Graphite	NBR

### 9 BEARINGS

TOP MULTI 2-3	6202 ZZ - C3 / 6201 ZZ
TOP MULTI 4-5	6202 ZZ - EA3 / 6201 ZZ

### 10 CAPACITOR

Pump	Capacitance	
Single-phase	(220 V)	(110 V or 127 V)
TOP MULTI 2-3	12.5 µF - 450 VL	30 µF - 250 VL
TOP MULTI 4-5	14.5 µF - 450 VL	30 µF - 250 VL

### 11 ELECTRIC MOTOR

**TOP MULTI:** Single-phase 220 V - 60 Hz with thermal overload protector incorporated into the winding.

- Insulation: class F
- Protection: IP X8

### 12 POWER CABLE

"H07 RN-F" with Schuko plug  
**Standard length 32.8 feet**

### 13 FLOAT SWITCH

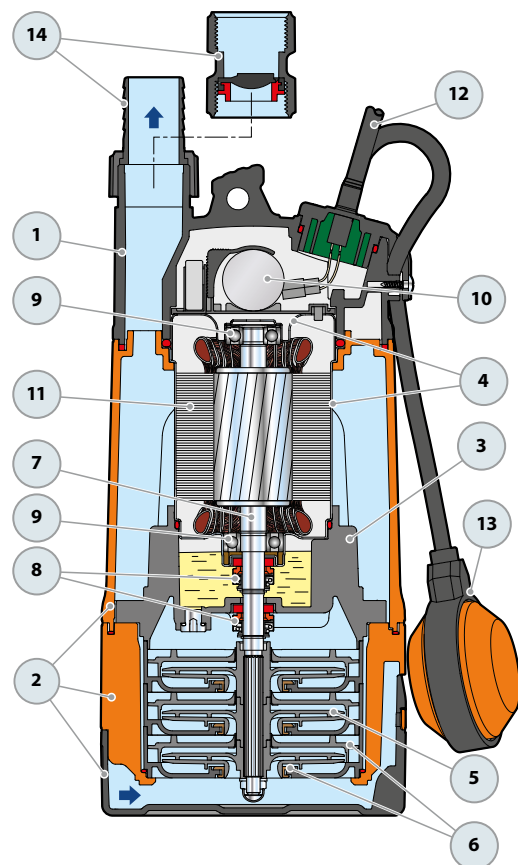
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Ø 1.4 in hose connection

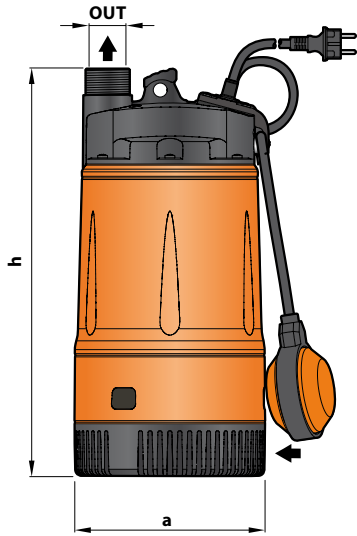
#### PIPE COUPLING

Threaded 1¼" in compliance with ISO 228/1, complete with flap-check valve

(Included in the equipment)



## DIMENSIONS AND WEIGHT



### Standard installation



MODEL NUMBER	PORT	No. STAGES	DIMENSIONS (inches)		Lbs
			a	h	
Single-phase	OUT				
TOP MULTI 2	1 1/4"	3	7	14.9	20.3
TOP MULTI 3				20.5	
TOP MULTI 4		4		16.3	21.8
TOP MULTI 5				21.8	

## ABSORPTION

MODEL	VOLTAGE		
	220 V	110 V	127 V
Single-phase			
TOP MULTI 2	3.4 A	6.9 A	6.2 A
TOP MULTI 3	3.7 A	7.4 A	6.7 A
TOP MULTI 4	4.3 A	8.6 A	7.5 A
TOP MULTI 5	4.7 A	9.4 A	8.2 A

