Multi-stage submersible pumps





Clean water



Domestic use



Civil use



Agricultural use

PERFORMANCE RANGE

- Flow rate up to **180 l/min** (10.8 m³/h)
- Head up to 97 m

INSTALLATION AND USE

A series of multi-impeller submersible pumps engineered for enhanced reliability, thanks to innovative patented solutions that prevent stalling even after prolonged periods of inactivity.

Highly efficient and reliable, these pumps are ideal for various applications, including water distribution in domestic, civil, and agricultural settings, particularly for water distribution in conjunction with pressure tanks, for irrigation, pressure boosting, and more.

APPLICATION LIMITS

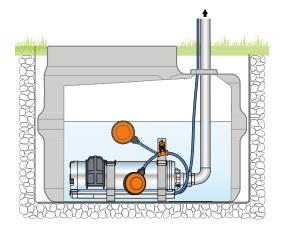
- Liquid temperature up to +40 °C
- Maximum sand content 150 g/m³
- Maximum operating depth below water level up to **20 m** (with an appropriately sized power cable)
- Vertical and horizontal operation

INCLUDES

- X Float switch (exclusive to single-phase models)
- ※ Power cable length 10 m

AVAILABLE UPON REQUEST

- **※** Pumps without float switch
- **20 m** or **30 m** power cables
- ※ Different voltage requirements 60 Hz frequency
- X Support kit for horizontal operation



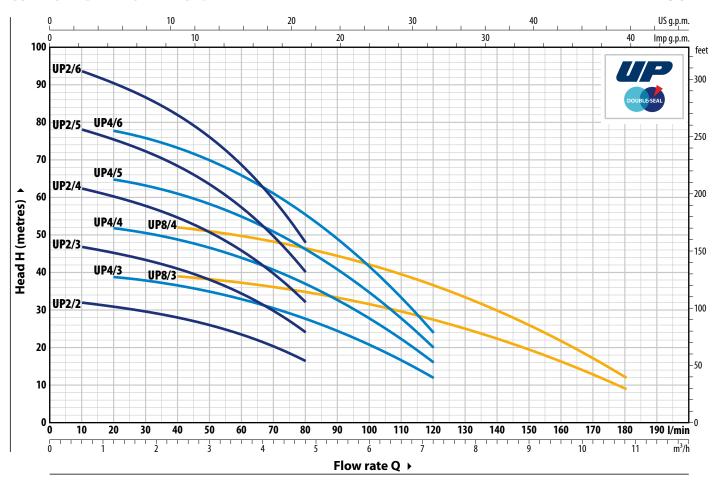
PATENTS - TRADE MARKS - MODELS

- Patent No. IT0001428923
- Patent No. EP2419642



CURVES AND PERFORMANCE DATA

50 Hz



T	YPE	POWE	R (P2)	m³/h	0	0.6	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8
Single-phase	Three-phase	kW	HP	Q I/min	0	10	20	40	60	80	100	120	140	160	180
UPm 2/2-GE	_	0.37	0.5		33	32	31	28	23.5	16.4					
UPm 2/3-GE	UP 2/3	0.55	0.75		48.5	47	45	41	34.5	24					
UPm 2/4-GE	UP 2/4	0.75	1		64.5	62.5	60.5	54.5	46	32					
UPm 2/5-GE	UP 2/5	1.1	1.5		80	78	75	68.5	57	40					
UPm 2/6-GE	UP 2/6	1.5	2		97	94	90	82	68.5	48					
UPm 4/3-GE	UP 4/3	0.55	0.75	H metres	40	_	39	36.5	33	28	20.8	12			
UPm 4/4-GE	UP 4/4	0.75	1		53	_	52	49	44	37	28	16			
UPm 4/5-GE	UP 4/5	1.1	1.5		67	_	65	61	55	46.5	34.5	20			
UPm 4/6-GE	UP 4/6	1.5	2		80	_	78	73	66	55.5	41.5	24			
UPm 8/3-GE	UP 8/3	1.1	1.5		40.5	_	_	39	37.5	35	31.5	27.5	22.3	16.2	9
UPm 8/4-GE	UP 8/4	1.5	2		54	_	_	52	49.5	46.5	42	36.5	29.5	21.6	12

 $[\]mathbf{Q} = \mathsf{Flow} \; \mathsf{rate} \; \; \mathbf{H} = \mathsf{Total} \; \mathsf{manometric} \; \mathsf{head}$

ABSORPTION

TYPE	VOLTAGE				
Single-phase	230 V				
UPm 2/2-GE	4.4 A				
UPm 2/3-GE	5.4 A				
UPm 2/4-GE	6.2 A				
UPm 2/5-GE	7.6 A				
UPm 2/6-GE	8.8 A				
UPm 4/3-GE	5.0 A				
UPm 4/4-GE	6.2 A				
UPm 4/5-GE	7.2 A				
UPm 4/6-GE	8.7 A				
UPm 8/3-GE	6.8 A				
UPm 8/4-GE	8.5 A				

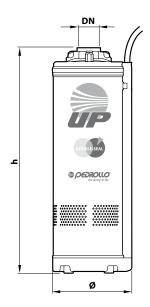
TYPE	VOLTAGE
Three-phase	400 V
UP 2/3	1.9 A
UP 2/4	2.3 A
UP 2/5	2.9 A
UP 2/6	3.3 A
UP 4/3	1.8 A
UP 4/4	2.2 A
UP 4/5	2.8 A
UP 4/6	3.2 A
UP 8/3	2.7 A
UP 8/4	3.3 A

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

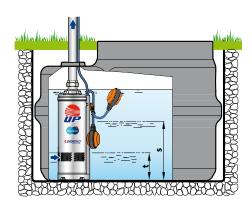
On request single-phase pumps without float switch



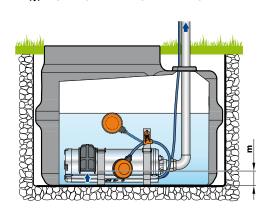
DIMENSIONS AND WEIGHT







*** HORIZONTAL INSTALLATION**



TYPE		PORT	DIMENSIONS mm		kg	
Single-phase	Three-phase	DN	Ø	h	1~	3~
UPm 2/2-GE	_			384	12.8	12.5
UPm 2/3-GE	UP 2/3			411	13.1	13.3
UPm 2/4-GE	UP 2/4			468	14.9	14.0
UPm 2/5-GE	UP 2/5			495	16.5	15.3
UPm 2/6-GE	UP 2/6			542	18.0	16.7
UPm 4/3-GE	UP 4/3	11⁄4"	150	411	13.2	12.9
UPm 4/4-GE	UP 4/4			468	14.8	13.4
UPm 4/5-GE	UP 4/5			495	16.4	15.3
UPm 4/6-GE	UP 4/6			542	18.1	16.9
UPm 8/3-GE	UP 8/3			441	15.2	14.2
UPm 8/4-GE	UP 8/4			488	17.0	15.8

TYPE	LEVELS mm					
	S	t	m			
UP 2/2 UP 2/3 UP 4/3	310					
UP 2/4 UP 2/5 UP 4/4 UP 4/5 UP 8/3	340	113	55			
UP 2/6 UP 4/6 UP 8/4	360					

s = Minimum restart level

t = Draining capability

m = Minimum operating level

PALLET CAPACITY

TYPE		NO. OF PUMPS
Single-phase	Three-phase	
UPm 2/2-GE	_	30
UPm 2/3-GE	UP 2/3	30
UPm 2/4-GE	UP 2/4	30
UPm 2/5-GE	UP 2/5	25
UPm 2/6-GE	UP 2/6	25
UPm 4/3-GE	UP 4/3	30
UPm 4/4-GE	UP 4/4	30
UPm 4/5-GE	UP 4/5	25
UPm 4/6-GE	UP 4/6	25
UPm 8/3-GE	UP 8/3	30
UPm 8/4-GE	UP 8/4	30



MATERIALS AND COMPONENTS

1	Outer sleeve	AISI 304 stainless steel with ISO 228/1 threaded delivery port
2	Internal motor jacket	Stainless steel AISI 304
3	Impellers and diffusers	Noryl™
4	Diaphragms	Stainless steel AISI 304
5	Motor shaft	Stainless steel AISI 431

6 Double mechanical seal with interposed oil chamber

Seal	Shaft	Location	Materials
STA-17	Ø 17 mm	Motor side	Ceramic / Graphite /NBR
ST1-16	Ø 16 mm	Pump side	Silicon carbide / Graphite / NBR

7 Capacitor

8 Electric motor

UPm: single-phase 230 V - 50 Hz with winding integrated

thermal motor protection **JP**: three-phase 400 V - 50 Hz

- Continuous running duty S1
- Insulation: Class F
- Protection rating: IP X8

9 Power cord

■ DRINCABLE® type

approved for use in drinking water by **WRAS** according to BS 6920, approval no. 7513

X Standard length 10 metres

10 Automatic vent valve

11 Anti-vibration feet

12 Float switch

(exclusive to single-phase models)

