

UPM 2/5-GE universalpump med nivåvipa

Artikelnr Beteckning

111786 UPM 2/5-GE:1,1/1x230/G32

Installation

Vikt 16,4 kg

Anslutning G32 inv

Övrigt

Max Tryck 81 mVp

Max Flöde 80,0 l/min

Elektrisk Data

Effekt 1,10 kW

Märkström 7,6 A

Spänning 1x230



PEDROLLO 5" UP

universalpumpar är speciellt utformade för installation i en grävd brunn eller bassäng. Vattnet tvingas förbi motorn för att kyla, vilket gör det möjligt att installera i en större brunn eller tank. Pumpen suger vattnet in i pumphuset och cirkulerar vattnet runt motorn för att uppnå motorns kylningskrav. Vertikal och horisontell installation är möjlig.

UP pumpserien tillverkas med pumphjul i noryl, och övriga vätskeberörda delar i rostfritt stål för förbättrad driftsäkerhet och ökad prestanda.

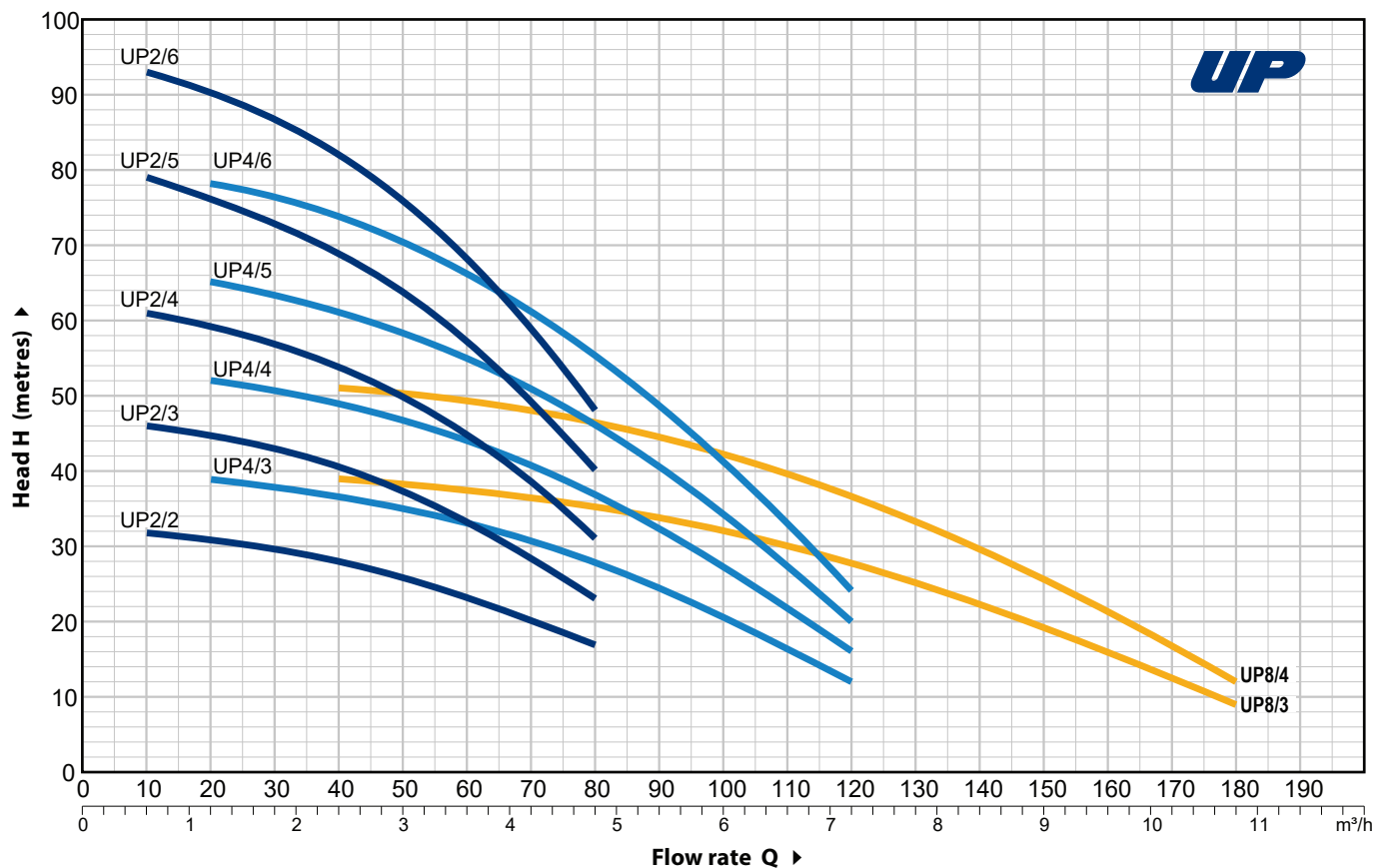
Dubbla mekaniska tätningar i oljebad för ökad livslängd och driftsäkerhet.

Version GE med inbyggd nivåvipa som fungerar som torrkörningsskydd.

Snabbfakta:

- Inbyggd vipa för torrkörningsskydd
- Pump- och motorhus av rostfritt stål
- Pumphjul av norylplast
- Installeras vertikalt eller horisontellt
- Utmärkt för grävda brunnar/bassäng
- Dubbla mekaniska tätningar

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz $n = 2900 \text{ min}^{-1}$ 

MODEL		POWER (P ₂)		Q m^3/h l/min	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		0	10	20	40	60	80	100	120	140	160	180
UPm 2/2(-GE)	UP 2/2	0.37	0.5	H metres	33	32	31	28	23.5	17					
UPm 2/3(-GE)	UP 2/3	0.55	0.75		48	46	44.5	40.5	33.5	23					
UPm 2/4(-GE)	UP 2/4	0.75	1		63	61	59	54	45	31					
UPm 2/5(-GE)	UP 2/5	1.1	1.5		81	79	75.5	68.5	57.5	40					
UPm 2/6(-GE)	UP 2/6	1.5	2		95	93	90	82	68.5	48					
UPm 4/3(-GE)	UP 4/3	0.55	0.75		40	–	39	37	33	28	20.5	12			
UPm 4/4(-GE)	UP 4/4	0.75	1		53	–	52	49	44	37	27.5	16			
UPm 4/5(-GE)	UP 4/5	1.1	1.5		67	–	65	61.5	55	46.5	34	20			
UPm 4/6(-GE)	UP 4/6	1.5	2		80	–	78	74	66	56	41	24			
UPm 8/3(-GE)	UP 8/3	1.1	1.5		40	–	–	39	37.5	35.2	32	27.8	22.2	16	9
UPm 8/4(-GE)	UP 8/4	1.5	2		52	–	–	51	49.2	46.5	42	36.5	29.5	21.2	12

Q = Flow rate H = Total manometric head

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

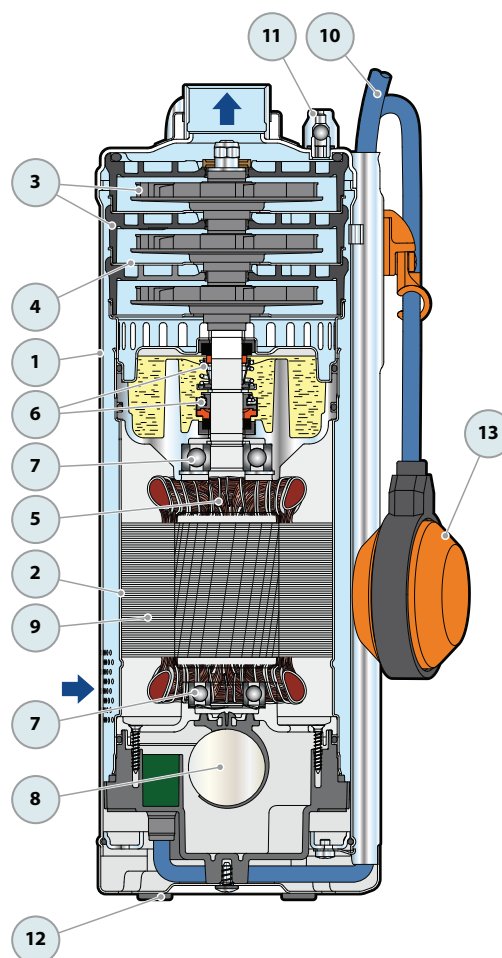
-GE = Single-phase pumps with float switch

POS. COMPONENT

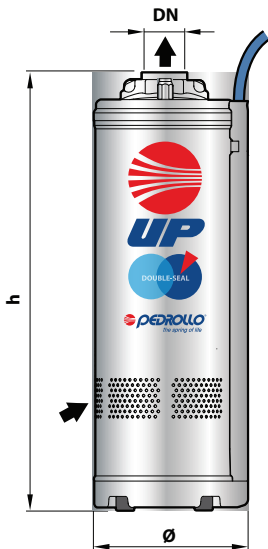
CONSTRUCTION CHARACTERISTICS

1	EXTERNAL SLEEVE	Stainless steel AISI 304 complete with threaded delivery port in compliance with ISO 228/1				
2	MOTOR SLEEVE	Stainless steel AISI 304				
3	IMPELLERS AND DIFFUSERS	Noryl FE1520PW				
4	DIAPHRAGMS	Stainless steel AISI 304				
5	MOTOR SHAFT	Stainless steel AISI 431				
6	TWO MECHANICAL SEALS SEPARATED BY AN OIL CHAMBER					
	Seal	Shaft	Position	Materials		
	<i>Model</i>	<i>Diameter</i>		<i>Stationary ring</i>	<i>Rotational ring</i>	<i>Elastomer</i>
	STA-17	Ø 17 mm	Motor side	Ceramic	Graphite	NBR
	ST1-16	Ø 16 mm	Pump side	Silicon carbide	Graphite	NBR
7	BEARINGS	6303 2RS - C3 / 6203 ZZ - C3E				
8	CAPACITOR					
	Pump	Capacitance				
	<i>Single-phase</i>	<i>(230 V or 240 V)</i>		<i>(110 V)</i>		
	UPm 2/2(-GE)					
	UPm 2/3(-GE)	16 µF - 500 VL	30 µF - 250 VL			
	UPm 4/3(-GE)					
	UPm 2/4(-GE)	20 µF - 450 VL	–			
	UPm 4/4(-GE)					
	UPm 2/5(-GE)					
	UPm 4/5(-GE)	25 µF - 450 VL	–			
	UPm 8/3(-GE)					
	UPm 2/6(-GE)					
	UPm 4/6(-GE)	35 µF - 450 VL	–			
	UPm 8/4(-GE)					
9	ELECTRIC MOTOR					
	UPm: single-phase 230 V - 50 Hz with thermal overload protector incorporated into the winding.					
	UP: three-phase 400 V - 50 Hz.					
	– Insulation: class F					
	– Protection: IP X8					
10	POWER CABLE					
	DRINCABLE® type approved for use in drinking water by "WRAS" in compliance with BS 6920, approval n. 7513 Standard length 10 metres					
11	AUTOMATIC VENT VALVE					
12	ANTI-VIBRATION SUPPORTS					
13	FLOAT SWITCH (only for single-phase versions)					

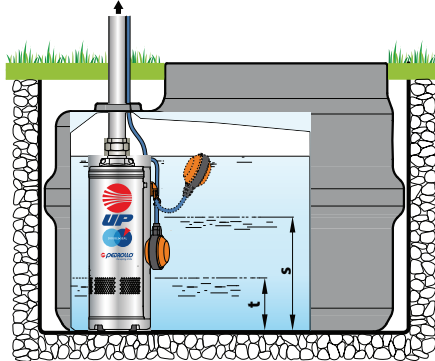
The diagram is a vertical cross-section of a pump assembly. At the top, a blue arrow points upwards from a small chamber. Below this, the assembly consists of several horizontal layers: two sets of impellers/diffusers (3), two diaphragms (4), and a motor shaft (5) passing through the center. The motor shaft is supported by bearings (6) and has a motor sleeve (2) around it. The motor is housed in a stainless steel sleeve (1). The motor is connected to a power cable (10) that enters from the side. The motor is supported by anti-vibration supports (12). At the bottom, there is an automatic vent valve (11) and a float switch (13) connected to the power cable. The entire assembly is housed in a stainless steel casing.



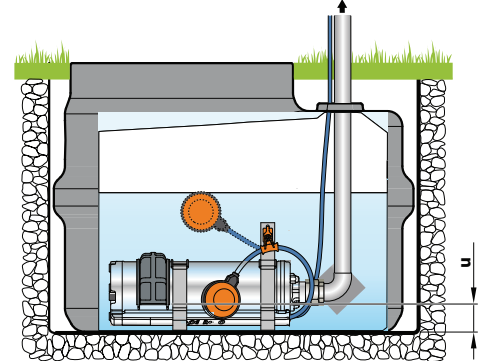
DIMENSIONS AND WEIGHT



Vertical installation



Horizontal installation



MODEL		PORT DN	N. STAGES	DIMENSIONS mm		kg	
Single-phase	Three-phase			Ø	h	1~	3~
UPm 2/2(-GE)	UP 2/2	1 1/4"	2	150	398	12.8	12.5
UPm 2/3(-GE)	UP 2/3		3		425	13.1	13.1
UPm 2/4(-GE)	UP 2/4		4		482	14.8	13.7
UPm 2/5(-GE)	UP 2/5		5		509	16.4	15.1
UPm 2/6(-GE)	UP 2/6		6		556	18.0	16.6
UPm 4/3(-GE)	UP 4/3		3		425	12.9	12.9
UPm 4/4(-GE)	UP 4/4		4		482	14.6	13.5
UPm 4/5(-GE)	UP 4/5		5		509	16.2	15.3
UPm 4/6(-GE)	UP 4/6		6		556	18.1	16.9
UPm 8/3(-GE)	UP 8/3		3		455	15.2	13.8
UPm 8/4(-GE)	UP 8/4		4		502	17.0	15.5

MODEL	LEVELS mm		
	s	t	u
UP 2/2 UP 2/3 UP 4/3	320	135	55
UP 2/4 UP 2/5 UP 4/4 UP 4/5 UP 8/3	350		
UP 2/6 UP 4/6 UP 8/4	370		

s = Minimum restarting level
t = Emptying level
u = Minimum operational level

ABSORPTION

MODEL	VOLTAGE		
	230 V	240 V	110 V
Single-phase			
UPm 2/2(-GE)	4.4 A	4.2 A	8.8 A
UPm 2/3(-GE)	5.4 A	5.2 A	10.8 A
UPm 2/4(-GE)	6.2 A	6.0 A	-
UPm 2/5(-GE)	7.6 A	7.3 A	-
UPm 2/6(-GE)	8.8 A	8.5 A	-
UPm 4/3(-GE)	5.0 A	4.8 A	10.0 A
UPm 4/4(-GE)	6.2 A	5.9 A	-
UPm 4/5(-GE)	7.2 A	6.9 A	-
UPm 4/6(-GE)	8.7 A	8.4 A	-
UPm 8/3(-GE)	6.8 A	6.5 A	-
UPm 8/4(-GE)	8.5 A	8.4 A	-

MODEL	VOLTAGE			
	230 V	400 V	240 V	415 V
Three-phase				
UP 2/2	2.8 A	1.6 A	2.7 A	1.5 A
UP 2/3	3.3 A	1.9 A	3.2 A	1.8 A
UP 2/4	4.0 A	2.3 A	3.9 A	2.2 A
UP 2/5	5.0 A	2.9 A	4.9 A	2.8 A
UP 2/6	5.7 A	3.3 A	5.5 A	3.2 A
UP 4/3	3.2 A	1.8 A	3.1 A	1.7 A
UP 4/4	3.8 A	2.2 A	3.7 A	2.1 A
UP 4/5	4.9 A	2.8 A	4.7 A	2.7 A
UP 4/6	5.6 A	3.2 A	5.4 A	3.1 A
UP 8/3	5.0 A	2.9 A	4.9 A	2.8 A
UP 8/4	5.7 A	3.3 A	5.5 A	3.2 A