

ULTRA UPM-UPP Diam. 110mm



- **TYPE:** Multifunction/pH motor driven pump mechanical diaphragm, spring return.
- **DIAPHRAGM DIAMETER:** 110 mm.
- **PUMP BODY:** Aluminum, painted with RAL 9005 epoxy paint.
- **FLOWRATE:** From 24 to 265 lph at max working pressure*.
- **MAX WORKING PRESSURE:** 10 bar.
- **MAX PUMP PRESSURE:** 12 bar.
- **ADJUSTMENT:** Fixed, 6mm stroke length.
- **PUMP-HEAD MATERIALS:** Reinforced PP, PVDF, 316L for standard.
- **STANDARD DRIVE:** PMM with inverter integrated Made in Italy, 3ph, 380/480V-48/62 Hz, 1,1 Kw, 1500 rpm.
- **TYPE OF PUMPS:** UPM Ultra Pump Multifunction/ UPP - Ultra Pump PH/RX.

Technical Data

Type	Flowrate at 2 bar	Flowrate at Max Pressure*	Max press. Bar	Fixed Stroke Length	Working Pump Range	Diaphragm size	Drive datas	Ø Valves	Connection S
UPM110 UPP110	from 28 to 290 l/h	from 24 to 265* l/h	10 bar	6 mm	from 10% to 100%	110 mm	3ph, 380/480V- 48/62 Hz, 1,1 Kw, 1500 rpm	8,5	3/8" Bsp F

Standard pump head configuration

Maximum Suction Height: 2 mt

Code	Head	Valves	Seat Valves	Guide	Valves House	O-rings	Diaphr.
B	reinf. PP	PYREX	PVC	PP	reinf. PP	FPM	PTFE
F	PVDF	PTFE	PVDF	PVDF	PVDF	PTFE	PTFE
A	316L	316L	316L	PP	316L	FPM	PTFE

Technical Data

INPUTS	
Temperature	PT 100 probe - PG
ModBUS RTU	RS 485 - PG
Flow Switch Sensor	12 V -PG
Analog	V / mA - PG
Counter Launches Pulses	Reed signal - PG
Internal Proximity	12 V P type - PG
Level	Level probe - BNC
pH / Rx	Probe - BNC

ELECTRICAL DATA	
Supply Frequency	48-62 hz
Supply Voltage	380-480 V ± 5%
Inverter Enclosure	IP 66
Rated Power	1,1 Kw
Rated Speed	1500 rpm
Rated Torque	7 Nm
Efficiency	83%
Motor Enclosure	IP 55
Command box Encl.	IP 65

OUTPUTS	
Alarm Relay	Contact N.C. or N.O. - PG
Analog	mA - PG

RPM	Flowrate l/h					
	Pressure - BAR					
	0	2	4	6	8	10
	l/h	l/h	l/h	l/h	l/h	l/h
1500	305	290	285	280	270	265
1400	280	270	266	260	252	244
1300	255	250	246	240	234	223
1200	234	230	226	220	215	205
1100	216	210	205	200	193	188
1000	192	190	188	184	175	165
900	177	175	173	166	160	154
800	156	155	154	146	140	136
750	145	144	140	132	130	128
700	132	130	128	125	120	115
600	115	114	112	108	104	102
500	93	92	91	90	88	84
400	75	74	73	71	70	67
300	56	55	54	52	50	48
200	36	35	34	32	30	28
150	29	28	27	26	25	24

RPM/SPM ratio
1500 rpm → 166'/min.
1250 rpm → 140'/min.
1000 rpm → 112'/min.
750 rpm → 84'/min.
500 rpm → 56'/min.
250 rpm → 28'/min.
150 rpm → 16'/min.