

ULTRA UPM-UPP Diam. 170mm



- **TYPE:** Multifunction/pH motor driven pump mechanical diaphragm, spring return.
- **DIAPHRAGM DIAMETER:** 170 mm.
- **PUMP BODY:** Aluminum, painted with RAL 9005 epoxy paint.
- **FLOWRATE:** From 90 to 970 lph at max working pressure*.
- **MAX WORKING PRESSURE:** 6 bar up to 799 lph - 5 bar from 800 to 970 lph
- **MAX PUMP PRESSURE:** 7 bar.
- **ADJUSTMENT:** fixed, 9mm 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
UPM170 UPP170	from 106 to 1050 l/h	from 90 to 970* l/h	*6 bar up to 799 l/h *5 bar from 800 to 970 l/h	9 mm	from 10% to 100%	170 mm	3ph, 380/480V-48/62 Hz, 1,1 Kw, 1500 rpm	17	1" 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 lph					
	Pressure - BAR					
	0 bar	2 bar	3 bar	4 bar	5 bar	6 bar
1500	1120	1050	1010	990	970	-
1400	1044	970	950	910	900	-
1300	990	900	860	840	830	-
1200	900	840	800	785	760	750
1100	816	774	745	720	710	680
1000	744	710	680	648	640	610
900	660	630	605	590	580	560
800	585	568	540	520	520	500
750	555	525	505	490	485	465
700	540	505	480	460	450	430
600	460	420	400	390	380	370
500	375	355	340	328	320	305
400	294	288	275	260	250	240
300	230	204	200	195	190	185
200	150	145	140	130	125	120
150	115	106	100	97	94	90

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.