

ULTRA UPM-UPP Diam. 80mm



- **TYPE:** Multifunction/pH motor driven pump mechanical diaphragm, spring return.
- **DIAPHRAGM DIAMETER:** 80 mm
- **PUMP BODY:** Aluminum, painted with RAL 9005 epoxy paint
- **FLOWRATE:** From 6 to 60 lph at max working pressure*
- **MAX WORKING PRESSURE:** 16 bar
- **MAX PUMP PRESSURE:** 18 bar
- **ADJUSTMENT:** fixed, 4mm 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
UPMA80 UPP80	from 7,8 to 78 l/h	from 6 to 60* l/h	16 bar	4 mm	from 10% to 100%	80 mm	3ph, 380/480V- 48/62 Hz, 1,1 Kw, 1500 rpm	5	1/4" 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

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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	2	4	6	8	10	12	14	16
	l/h	l/h	l/h	l/h	l/h	l/h	l/h	l/h	l/h
1500	80	78	75	72	70	68	66	63	60
1400	74	72	70	68	66	64	62	59	56
1300	68	66	64	62,5	61	59	57	54	52
1200	63	61	60	58	56	54	52	50	48
1100	58	56	54	52,5	51	50	48	46	44
1000	53	51	50	49	48	46	45	43	40
900	47,5	46	45	43	42	41	40	38	36
800	43	41	40	39	38	37	36	35	33
750	40	38	37	36	35	34	33	32	30
700	37	36	35	34	33	32	31	30	28
600	32	31	30	29	28	27	26	25	24
500	27	26	25	24,5	24	23	22	21	20
400	22	21	20	19	18	17	16	15	14
300	17	16	15	14	13	12	11	10,5	10
200	12	11	10	9,5	9	8,5	8	7,5	7
150	8	7,8	7,5	7,2	7,2	6,8	6,5	6,3	6

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.