

ULTRA UPM-UPP Diam. 140mm



- **TYPE:** Multifunction/pH motor driven pump mechanical diaphragm, spring return.
- **DIAPHRAGM DIAMETER:** 140 mm
- **PUMP BODY:** Aluminum, painted with RAL 9005 epoxy paint
- **FLOWRATE:** From 36 to 400 lph at max working pressure*
- **MAX WORKING PRESSURE:** 8 bar
- **MAX PUMP PRESSURE:** 8 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
UPM140 UPP140	from 42 to 425 l/h	from 36 to 400 l/h	8 bar	6 mm	from 10% to 100%	140 mm	3ph, 380/480V- 48/62 Hz, 1,1 Kw, 1500 rpm	17	3/4" 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

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
	l/h	l/h	l/h	l/h	l/h
1500	440	425	415	405	400
1400	420	405	385	370	360
1300	400	385	360	350	335
1200	370	350	335	325	310
1100	340	315	300	290	280
1000	310	285	278	270	255
900	280	255	250	235	225
800	250	225	220	210	200
750	230	215	205	195	190
700	215	200	190	185	180
600	190	170	165	157	150
500	155	140	135	130	125
400	125	110	105	100	95
300	90	84	81	78	75
200	60	54	50	48	45
150	43	42	40	38	36

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.