

ProMinent Motorised Meta Pumps

ProMinent Meta Motorised Metering Pumps are compact, consume less power, best quality, with process reliability, robust, and proven solution for any metering requirement with reproducibility accuracy $\pm 2\%$.

ProMinent Meta Diaphragm Pumps are available with a capacity of 13 - 1000 l/hr with simplex pump with a pressure range 3 - 12 bar. These Pumps can be offered with multiple heads and common headers with Duplex, Triplex and Quadruplex up to ~ 4000 l/h.

The PTFE diaphragm of the Pump is made of high-quality fabric reinforced EPDM with moulded in steel core and the media contacted side is coated with Teflon.

The Pumps use worm gear reduction and the capacity of the AC motors used with three phase and single-phase power supply of 415, 230 Volts 0.18 kW or 0.37 kW or 0.75 kW depending on the model. These are suitable for 50 and 60Hz, IP55 or IP65 also can be offered with Flame proof motors to suit ATEX areas. The Pumps can be offered with motor with speed controller wherever automatic control is needed.

The liquid ends can be offered in PVC (P), Poly Propylene (PP), Stainless Steel (S) or Teflon (T) depending upon the chemical also other liquid end materials on request also with de-gassing arrangement.

The Pumps can be offered with motor speed controllers or servo controllers for stroke length adjustment wherever automatic control is needed.

Accessories like Pressure Relief Valve, Pulsation Dampener, Dosing Tank etc., can be offered with the Pump, as per the requirements. Complete Dosing Systems including flow meters, Tanks with Stirrers, piping etc. Skids mounted systems can also be offered to suit any requirement.

Pump selection based on below information

- Chemical name and conc.
- Capacity in litres/hour
- Back pressure



ProMinent[®]



TECHNICAL DATA

ProMinent Meta (MTMa): 0.18 KW motor with 1440 rpm at 50 Hz.

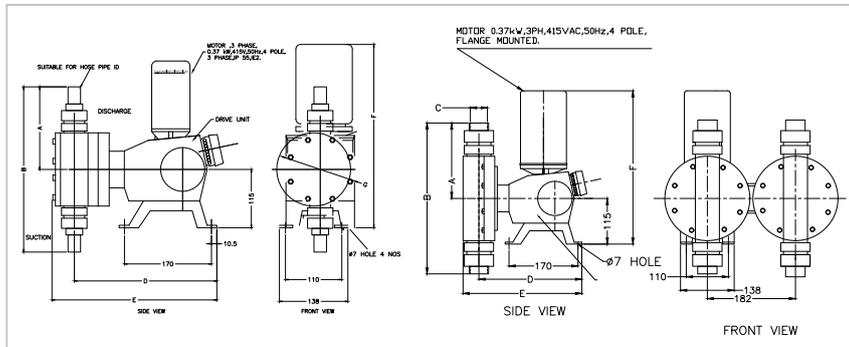
Pump Type	Pump Capacity at Max. Back Pressure		Max. Stroke Frequency		Suction Lift mWS	admissible pressure, suction side, bar	connection suction / Pressure Side G-DN	Shipping Weight Kg.
	bar	l/h	m./ Stroke	Strokes / Min				
12013 (6 pole motor)	10.0/12*	13/12	6.5	33	2	10	¾ - 10	16.0 / 21*
12020	10.0/12*	20/18	6.9	48	2	10	¾ - 10	16.0 / 21*
12040	10.0/12*	40/36*	13.9	48	2	2.8	1 ¼ - 20	16.0 / 21*
12065	10.0/12*	65/62*	15.0	72	2	2.8	1 ¼ - 20	16.0 / 21*
12086	10.0/12*	86/83*	15.0	96	2	2.8	1 ¼ - 20	16.0 / 21*
12108	10.0/12*	108/104*	15.0	120	2	2.8	1 ¼ - 20	16.0 / 21*
12130	10.0/12*	130/125*	15.0	144	2	2.8	1 ¼ - 20	16.0 / 21*
09173	9.0	173	30.0	96	2	1.3	1 ¼ - 20	16.0 / 21*
07216	7.0	216	30.0	120	2	1.3	1 ¼ - 20	16.0 / 21*
06260	6.0	260	30.0	144	2	1.3	1 ¼ - 20	16.0 / 21*
05265	5.0	265	61.3	72	2	0.5	1 ½ - 25	19.5 / 28*
04353	4.5	353	61.3	96	2	0.5	1 ½ - 25	19.5 / 28*
03441	3.5	441	61.3	120	2	0.5	1 ½ - 25	19.5 / 28*
03530	3.0	530	61.3	144	2	0.5	1 ½ - 25	19.5 / 28*

ProMinent Meta (MTMa): 0.37 KW motor with 1440 rpm at 50 Hz.

10173	10.0	173	30.0	96	2	1.3	1 ¼ - 20	19.0 / 24*
10216	10.0	216	30.0	120	2	1.3	1 ¼ - 20	19.0 / 24*
10260	10.0	260	30.0	140	2	1.3	1 ¼ - 20	19.0 / 24*
05440	5.0	441	61.3	120	2	0.5	1 ½ - 25	22.5 / 31*
05530	5.0	500	58.0	144	2	0.5	1 ½ - 25	22.5 / 31*
10200	10.0	200	46.3	72	2	1.3	1 ¼ - 20	19.0 / 24*
10263	10.0	263	44.8	98	2	1.3	1 ¼ - 20	19.0 / 24*
10330	10.0	330	45.8	120	2	1.3	1 ¼ - 20	19.0 / 24*
09395	9.0	395	45.7	144	2	1.3	1 ¼ - 20	19.0 / 24*
04400	4.0	400	89.7	72	2	0.5	1 ½ - 25	22.5 / 31*
04527	4.0	527	89.7	98	2	0.5	1 ½ - 25	22.5 / 31*
03662	3.0	662	91.9	120	2	0.5	1 ½ - 25	22.5 / 31*
03790	3.0	790	91.4	144	2	0.5	1 ½ - 25	22.5 / 31*
05790	5.0	790	91.4	144	2	0.5	1 ½ - 25	22.5 / 31*
041000	4.0	1000/960*	86.8	192	2	0.5	1 ½ - 25	22.5

ProMinent Meta (MTMa): 0.75 KW motor with 1440 rpm at 50 Hz.

08530	08	500	58	144	2	0.5	1 ½ - 25	25 / 33*
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All dimensions are in mm

Pump Type	Dosing Head (dia)	A	B	C
12040/12065/12086/12108/				
12130/07216/06260	145	138	313	400
03530	180	138	321	400
10173/10200/10216	145	138	313	420
10260/10330/09395				
05440/05530/03662	180	138	321	420
03790/03960				
08530/05790/041000	180	138	321	470



ProMinent India

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