

# Diaphragm Vacuum Pumps | MPC Chemical Duty



Model  
MPC 090 E



Models  
MPC 095 Z / MPC 110 E  
MPC 105 T



Model  
MPC 101 Z

**CE** All product listings on this page CE listed.

## Specifications

Model	MPC 090 E	MPC 095 Z	MPC 110 E	MPC 101 Z	MPC 105 T
<b>Number of heads / stages</b>	2 / 1	2 / 2	2 / 1	2 / 2	4 / 3
Free Air Displacement m <sup>3</sup> /h(L/min)@50Hz	1(15)	0.5(8)	0.9(15)	1.0(16.7)	1.2(20)
cfm(L/min)@60Hz	0.5(15)	0.3(9.1)	0.6(16.6)	0.6(18)	0.7(20)
Ultimate pressure, mbar(torr)	100(75)	5(3.8)	60(45)	8(6)	2(1.5)
Maximum Vacuum, in. Hg	27	29.8	28.2	29.7	29.9
Max. overpressure, bar	----	----	----	----	----
IN / EX hose connector	DN 6 / silencer	DN 8	DN 8	DN 8	DN 8
Tubing Needed, I.D. mm(in.)	6(0.24)	8(0.32)	8(0.32)	8(0.32)	8(0.32)
Intake(Exhaust) Thread NPT	-(-)	-(1/8)	1/8(1/8)	1/4(1/4)	-(-)
Sound level, dB(A)	<45	44	44	45	44
Motor Power, watts(HP)	20(0.03)	68(0.09)	68(0.09)	60(0.08)	68(0.09)
Type of motor protection, IP	20	42	42	54	42
Weight, lbs.(kg)	5.1(2.3)	13.8(6.3)	13.8(6.3)	14.3(6.5)	16.5(7.5)
Overall Dimensions LxWxH in.(cm)	4.5x6.5x 5.7 (12x 17x 15)	9.3x5.5x 10.9 (24x14x 28)	9.3x5.5x 10.9 (24x14x 28)	7.7x9.3x 5.7 (20x 24x 15)	9.3x5.5x12.9 (24x14x33)
Ship Weight, lbs.(kg)	6.6(3)	17.6(8)	17.6(8)	19.8(9)	22.1(10)
Shipping Carton Dimensions LxWxHin. (cm)	15.7x11.8x6.7 (40x30x17)	11.8x11.8x15.7 (30x30x40)	11.8x11.8x15.7 (30x30x40)	16.1x10.2x9.8 (41x26x25)	11.8x11.8x15.7 (30x30x40)

## Ordering Information

230V, 50/60Hz, 1 Ph <sup>1</sup>	----	----	----	412522	----
115V, 50/60Hz, 1 Ph <sup>2</sup>	----	----	----	412522-01	----
115/230V, 50/60Hz , 1 Ph <sup>3</sup>	----	----	----	----	----
90-260V, 50/60Hz <sup>4</sup>	412021	412422-02	412421-02	----	412443-02
230/400V, 50/60Hz , 3 Ph <sup>6</sup>	----	----	----	----	----

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### MPC Diaphragm Vacuum Pumps

- Chemical Resistant
- Oil Free

**MPC models** use PTFE and other fluorinated plastics for the wetted parts to allow aggressive acids and vapors to be pumped. All two-stage and three-stage MPC pumps come standard with gas a ballast valve.

**Model MPC 302 Z** uses a patented pump head design to significantly improve performance. Optimized construction of the pump heads allows the MPC 302 Z to achieve a 17% higher pumping speed in the application critical vacuum range compared to similar products. Besides the pumping speed the ultimate vacuum pressure is improved as well to 5 mbar(3.8 torr).

Gas Ballast

