

3 Diaphragm Pumps

Technical Data - Chemical Duty Diaphragm Pumps

Premium selection Chemical Duty Diaphragm Pumps



Parameter	MPC 090 E	MPC 110 E	MPC 095 Z	MPC 155 Z	MPC 105 T	MPC 105 T IQ
Number of heads/stages	1/1	2/1	2/2	4/2	4/3	4/3
Free Air Displacement, m ³ /h	1,0	1,0	0,9	1,4	1,2	1,2
Free Air Displacement, l/min	16,7	16,7	15	23	20	20
Ultimate pressure, mbar	100	50	5	5	< 2	< 2
Intake connection	Hose nozzle DN 6	Hose nozzle DN 8	Hose nozzle DN 8	Hose nozzle DN 8	Hose nozzle DN 8	Hose nozzle DN 8
Exhaust connection	Hose nozzle DN 6	Hose nozzle DN 8	Hose nozzle DN 8	Hose nozzle DN 8	Hose nozzle DN 8	Hose nozzle DN 8
Sound level	<45	<45	<45	<45	<45	<45
Dimensions (B/T/H), mm	144/198(130)/244	235/140/277	235/140/277	235/145/327	235/145/327	235/145/327
Weight, kg	2,7	6,15	6,15	6,5	6,5	6,5
Ordering Information						
90...260VAC	412021	412421-02	412422-02	412642	412443-02	412443-17

One-Stage Direct-Driven Diaphragm Pumps, Ultimate pressure <75 mbar



Parameter	MPR 060 E-EC	MPC 201 E	MPC 301 E	MPC 302 E	MPC 601 E	MPC 602 E	MPC 1201 E	MPC 2401 E
Number of heads/stages	2/1	2/1	1/1	1/1	2/1	2/1	4/1	8/1
Free Air Displacement, m ³ /h	0,6	1,8/2	2,3/2,5	2,9/3,5	3,8/4,2	4,2/5,0	8,3/9,1	15,5/17,0
Free Air Displacement, l/min	10	30/33	38/41	48/58	63/70	70/83	138/151	258/283
Ultimate pressure, mbar	<60	< 75	< 75	< 40	< 75	< 30	< 75	< 75
Intake connection	Hose nozzle DN 6/8	Hose nozzle DN 8	Hose nozzle DN 8	Hose nozzle DN 8	DN 16 KF with optional Hose nozzle DN 8	DN 16 KF with optional Hose nozzle DN 8	DN 16 KF with optional Hose nozzle DN 8	DN 16 KF
Exhaust connection	Hose nozzle DN 6/8	Hose nozzle DN 8	Hose sleeve A 10 - 8 or optional (enclosed) Exhaust silencer A 10	Hose sleeve A 10 - 8 or optional (enclosed) Exhaust silencer A 10	Hose nozzle DN 8	Hose nozzle DN 8	Hose nozzle DN 8	DN 16 KF
Sound level	42	<44	<45	<45	<44	<44	<44	<44
Dimensions (B/T/H), mm	115/165/145	195/225/147	156/260/253	156/260/253	230/265/170	233/260/171	230/380/170	540/300/240
Weight, kg	2,3	6,5	8,9	8,9	11,2	11,2	18,3	32,8
Ordering Information								
90...260VAC	412121	-	-	-	-	-	-	-
230V 50/60Hz	-	412521	412711	414711	412721	414721	412741	412781
115V 50/60Hz	-	412521-01	412711-01	-	412721-01	414721-01	412741-01	412781-01
400V 50/60Hz	-	-	-	-	412721-02	414721-02	412741-02	412781-02

Technical Data - Chemical Duty Diaphragm Pumps

Multi-Stage Direct-Driven Diaphragm Pumps



Parameter	Two-Stage Direct-Driven Diaphragm Pumps, Ultimate Pressure <8 mbar						Three-Stage Direct-Driven Diaphragm Pumps, Ultimate Pressure <2 mbar		
	MPR 030 Z-EC	MPC 101 Z	MPC 301 Z	MPC 302 Z	MPC 901 Z	MPC 1801 Z	MPC 201 T	MPC 601 T	MPC 1201 T
Number of heads/stages	2/2	2/2	2/2	2/2	4/2	8/2	4/3	4/3	8/3
Free Air Displacement, m ³ /h	0,35	1/1,1	2,3/2,5	2,6/3,1	6,8/7,5	12/13,3	2/2,2	4,5/4,9	8,3/9,1
Free Air Displacement, l/min	5,8	16,7/18	38/41	43/52	113/124	201/221	33/36	75/81	135/151
Ultimate pressure, mbar	<5	< 8	< 8	< 5	< 8	< 8	< 2	< 2	< 2
Intake connection	Hose nozzle DN 6/8	Hose nozzle DN 8	DN 16 KF with optional Hose nozzle DN 8	DN 16 KF with optional Hose nozzle DN 8	DN 16 KF with optional Hose nozzle DN 8	DN 16 KF	Hose nozzle DN 8	DN 16 KF with optional Hose nozzle DN 8	DN 16 KF
Exhaust connection	Hose nozzle DN 6/8	Hose nozzle DN 8	Hose nozzle DN 8	Hose nozzle DN 8	Hose nozzle DN 8	DN 16 KF	Hose nozzle DN 8	Hose nozzle DN 8	DN 16 KF
Sound level	38	<44	<44	<44	<44	<44	<45	<44	<44
Dimensions (B/T/H), mm	115/165 /145	195/225 /147	230/265 /170	233/260 /171	230/380 /170	540/300 /240	200/260 /150	230/380 /170	540/300/240
Weight, kg	2,3	6,5	11,2	11,2	18,3	32,8	10,3	18,3	32,8
Ordering Information									
90...260VAC	412122	-	-	-	-	-	-	-	-
230V 50/60Hz	-	412522	412722	414722	412742	412782	412543	412743	412783
115V 50/60Hz	-	412522-01	412722-01	414722-01	412742-01	412782-01	412543-01	412743-01	412783
400V 50/60Hz	-	-	412722-02	414722-02	412742-02	412782-02	-	412743-02	412783-02

High Chemical/Corrosion Duty Diaphragm Pumps



Parameter	MPC 301 E-X2	MPC 601 E-X2	MPC 1201 E-X2	MPC 2401 E-X2	MPC 301 Z-X2	MPC 901 Z-X2	MPC 1801 Z-X2	MPC 601 T-X2	MPC 1201 T-X2
Number of heads/stages	1/1	2/1	4/1	8/1	2/2	4/2	8/2	4/3	8/3
Free Air Displacement, m ³ /h	2,3/2,5	3,8/4,2	8,3/9,1	15,5/17,0	2,3/2,5	6,8/7,5	12/13,3	4,5/4,9	8,3/9,1
Free Air Displacement, l/min	38/41	63/70	138/151	258/283	38/41	113/124	201/221	75/81	135/151
Ultimate pressure, mbar	< 75	< 75	< 75	< 75	< 8	< 8	< 8	< 2	< 2
Intake connection	Hose nozzle DN8	DN 16 KF with optional Hose nozzle DN 8	DN 16 KF with optional Hose nozzle DN 8	DN 16 KF	DN 16 KF with optional Hose nozzle DN 8	DN 16 KF with optional Hose nozzle DN 8	DN 16 KF	DN 16 KF with optional Hose nozzle DN 8	DN 16 KF
Exhaust connection	Hose sleeve A 10 - 8 or optional (enclosed) Exhaust silencer A 10	Hose nozzle DN8	Hose nozzle DN8	DN 16 KF	Hose nozzle DN8	Hose nozzle DN8	DN 16 KF	Hose nozzle DN8	DN 16 KF
Sound level	<45	<44	<44	<44	<44	<44	<44	<44	<44
Dimensions (B/T/H), mm	156/260 /253	230/265 /170	230/380 /170	540/300 /240	230/265 /170	230/380 /170	540/300 /240	230/380 /170	540/300 /240
Weight, kg	8,9	11,2	18,3	32,8	11,2	18,3	32,8	18,3	32,8
Ordering Information									
230V 50/60Hz	412711-03	412721-03	412741-03	412781-03	412722-17	412742-07	412782-03	412743-03	412783-03

3 Diaphragm Pumps

Technical Data - Chemical Duty Diaphragm Pumps

More Diaphragm Pumps



Parameter	ATEX		Ecoflex		
	MPC 301 Zp, ATEX Kat.2	MPC 601 Tp, ATEX Kat.2	MPC 301 Z ef	MPC 601 T ef	MPC 1201 T ef
Number of heads/stages	2/2	4/3	2/2	4/3	8/3
Free Air Displacement, m ³ /h	2,3	4,5	2,6	4,9	8,3
Free Air Displacement, l/min	38	75	43	75	138
Ultimate pressure, mbar	< 8	< 2	< 8	< 2	< 2
Intake connection	Hose nozzle DN8	DN 16 KF	DN 16 KF with optional Hose nozzle DN 8	DN 16 KF with optional Hose nozzle DN 8	DN 16 KF
Exhaust connection	Hose nozzle DN 8	DN 16 KF	Hose nozzle DN 8	Hose nozzle DN 8	DN 16 KF
Sound level	<44	<44	<47	<47	<47
Dimensions (W/D/H), mm	240/300/260	240/425/272	260/310/190	260/390/170	540/262/390
Weight, kg	22,9	29,7	15,5	22,6	34,0
Ordering Information					
90...260VAC	-	-	-	-	-
230V 50/60Hz	-	-	412922	412943	412983
115V 50/60Hz	-	-	412922-01	412943-01	412983-03
400V 50/60Hz	4000481-04	4000511-04	-	-	-

Technical Data - Standard Duty Diaphragm Pumps

One-Stage Direct-Driven Diaphragm Pumps, Ultimate pressure <75 mbar



Parameter	MP 065 E	MP 065 E + Inlinefilter-Kit	MP 105 E	MP 201 E	MP 301 E	MP 601 E	MP 1201 E	MP 2401 E
Number of heads/stages	2/1	2/1	2/1	2/1	1/1	2/1	4/1	8/1
Free Air Displacement, m ³ /h	0,7	0,7	0,9/1,0	1,8/2	2,3/2,5	3,8/4,2	8,3/9,1	15,5/17,0
Free Air Displacement, l/min	11,6	11,6	15/16,6	30/33	38/41	63/70	138/151	258/283
Ultimate pressure, mbar	100	100	< 60	< 75	<75	< 75	< 75	< 75
Intake connection	Hose nozzle DN 6	Hose nozzle DN 6	Hose nozzle DN 8	Hose nozzle DN 8	Hose nozzle DN 8	DN 16 KF with optional Hose nozzle DN 8	DN 16 KF with optional Hose nozzle DN 8	DN 16 KF
Exhaust connection	Hose nozzle DN 6, w/exhaust silencer (removable)	Hose nozzle DN 6, w/exhaust silencer (removable)	Hose nozzle DN 8	Hose nozzle DN 8	Hose nozzle DN 8	Hose nozzle DN 8	Hose nozzle DN 8	DN 16 KF
Sound level	<45	<45	<45	<44	<45	<44	<44	<44
Dimensions (B/T/H), mm	144/127/196	144/127/196	235/140/277	195/225/147	156/260/253	230/265/170	230/380/170	540/300/240
Weight, kg	2,3	2,3	6,25	6,5	8,9	11,2	18,3	32,8
Ordering Information								
90...260VAC	411011	411011-01	-	-	-	-	-	-
230V 50/60Hz	-	-	411421	411521	411711	411721	411741	411781
115V 50/60Hz	-	-	411421	411521-01	411711-01	411721-01	411741-01	411781-01
400V 50/60Hz	-	-	-	-	-	411721-02	411741-02	411781-02