

Diaphragm Pumps, Welch Vacuum



For dry, oil-free applications in the rough and medium-high vacuum range diaphragm pumps are used world-wide in production, research and science as well as in industry, laboratory and education. As an economically and ecologically superior alternative to water operated vacuum pumps the diaphragm pump range always offers a versatile, practical solution for many diverse applications.

- Vacuum distillation and filtration
- Vacuum concentration
- Vacuum drying
- Manipulating and handing systems
- Gel drying, etc.

Diaphragm pumps offer

- different material for chemical (MPC) or physical (MP) processes
- different flow rates from 0.6 m³/h to 16 m³/h
- final pressures from 75 to < 1 mbar
- pressure control using vacuum controller VCB521

Diaphragm pumps are available in complete pump systems - LVS laboratory vacuum systems - with components and materials selected for optimal practical employment in laboratory and industry.

Also used as regeneration pumps in combination pumping systems (Chemvac), they fulfill their tasks due to outstanding chemical resistance and stable vacuum parameters.

All diaphragm pumps are compactly and functionally designed. Maintenance and service work is fast and easy. Diaphragm pumps guarantee outstanding operation and possess a long life span. They are extremely quiet in operation and work without oil.

Diaphragm pumps with ATEX approval are available on request.

Single-stage diaphragm pumps, final vacuum < 75 mbar

Type	Suction rate m ³ /h	W × D × H mm	Weight kg	Order No.
MP 065 E	0.6	115×165×145	2.3	10 92 41112
MP 105 E	0.9	235×140×277	6.2	10 92 41142
MP 301 E	2.3	260×162×252	8.9	10 92 41171
MP 601 E	3.8	230×265×169	11.2	56 92 40292
MP 1201 E	8.3	230×380×169	18.3	56 92 40392
MPC 110 E	0.9	235×140×277	6.3	10 92 41242
MPC 301 E	2.3	260×162×252	8.9	10 92 41271
① MPC 601 E	3.8	230×265×169	11.2	56 92 40492
MPC 1201 E	8.3	230×380×169	18.3	56 92 40532

Two-stage diaphragm pumps, final vacuum < 8 mbar

Type	Suction rate m ³ /h	W × D × H mm	Weight kg	Order No.
MP 055 Z	0.5	235×140×277	6.2	10 92 41143
MP 101 Z	1.0	195×235×145	6.5	56 92 40170
MP 301 Z	2.3	230×265×169	11.2	56 92 40282
MP 901 Z	6.8	230×380×169	18.3	56 92 40322
MPC 095 Z	0.5	235×140×277	6.2	10 92 41243
② MPC 101 Z	1.0	195×235×145	6.5	56 92 40171
MPC 301 Z	2.3	230×265×169	11.2	56 92 40482
MPC 901 Z	6.8	230×380×169	18.3	56 92 40522
MPC 1801 Z	12.0	540×300×240	32.8	56 92 41552

Three-stage diaphragm pumps, final vacuum < 2 mbar

Type	Suction rate m ³ /h	W × D × H mm	Weight kg	Order No.
MP 201 T	2.0	200×260×150	10.3	56 92 40176
MP 601 T	4.5	230×380×169	18.3	56 92 40312
MPC 201 T	2.0	200×260×150	10.3	56 92 40177
③ MPC 601 T	4.5	230×380×169	18.3	56 92 40512
MPC 1201 T	8.3	540×300×240	32.8	56 92 41782

Four-stage diaphragm pumps, final vacuum < 1 mbar

Type	Suction rate m ³ /h	W × D × H mm	Weight kg	Order No.
MP 101 V	1.0	200×260×150	10.3	56 92 40180
MP 301 V	2.3	230×380×169	18.3	56 92 40722

Further models on request.

