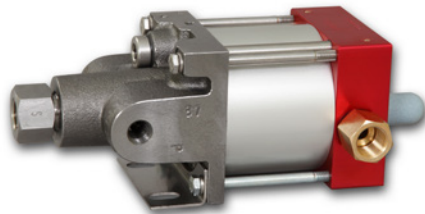


Oil operation – M0 series up to 1,000 bar

Maximator pumps of the M0 series are available in single- or double-acting design with one air drive piston. They are suitable for use in zone 1, category 2G/2D IIC TX explosion-proof areas (temperature class depending on medium temperature).

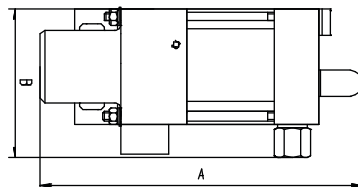
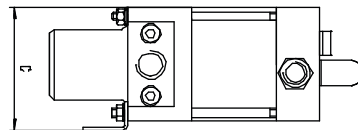
MO-Pumps

- » **Single-acting**
- » **With one air drive piston**
- » **Operating pressures of up to 1,000 bar (14,500 psi)**



The light and robust M0 pumps are available with a very large variety of pressure ratios. They are ideal for use as portable pump units.

- Material: Pump heads made of cast iron, pistons made of tool steel and seal made of polyurethane
- Standard design with bottom inlet
- For air drive pressures of 1 to 10 bar (14.5 bis 145 psi)



Options for M0 and M0-D pumps

- Side inlet for single-acting, single air drive section pumps
Order code: M037 – S
- Direct pilot valve air modification for single-acting, one-stage pumps (for switching on/off via an external solenoid valve) -
Order code: M022(D) to M0189(D): M037(D) – DIR

Type	Pressure ratio*	Displ. Volume **		Outlet pressure ***		Flow capacity l/min ****	Connections			Dimensions in mm			Weight kg
		cm ³	cu.inch	bar	psi		Air Drive L	Inlet A	Outlet B	A	B	C	
M04	1:4	30.5	1.86	40	580	14.81	3/8 BSPP	3/4 BSPP	1/2 BSPP	190	102	80	2.5
M08	1:9	14.7	0.90	90	1305	7.07	3/8 BSPP	3/4 BSPP	1/2 BSPP	190	102	80	2.5
M012	1:14	9.4	0.57	140	2030	4.55	3/8 BSPP	3/4 BSPP	1/2 BSPP	190	102	80	2.5
M022	1:29	4.6	0.28	290	4205	2.22	3/8 BSPP	3/8 BSPP	1/4 BSPP	228	102	80	3.0
M037	1:47	2.8	0.17	470	6815	1.36	3/8 BSPP	3/8 BSPP	1/4 BSPP	228	102	80	3.0
M072	1:88	1.5	0.09	880	12760	0.72	3/8 BSPP	3/8 BSPP	1/4 BSPP	228	102	80	3.0
M0111	1:133	1.0	0.06	1000	14500	0.48	3/8 BSPP	3/8 BSPP	1/4 BSPP	228	102	80	3.0
M0189	1:225	0.6	0.04	1000	14500	0.28	3/8 BSPP	3/8 BSPP	1/4 BSPP	228	102	80	3.0

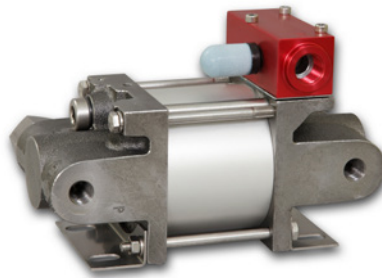
* Ratio – driving surface air drive piston / driven surface high pressure piston (calculated)

** Displacement volume per double stroke (calculated).

*** Static outlet pressure (calculated and maximum allowed)

**** Approximate flow at an air drive of 6 bar / 87 psi and an outlet pressure of 0 bar/psi.

(14,500 psi)



MO...D-Pumps

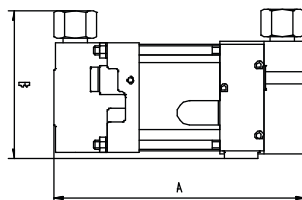
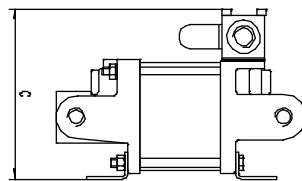
- » Double-acting
- » With one air drive piston
- » Operating pressures of up to 1,000 bar (14,500 psi)

The MO...D pumps run with lower pulsation than the single-acting MO pumps and achieve an approx. 50% higher pump capacity.

- Standard pumps with side inlet only

- Special connections, e.g. with NPT thread
Order code: M037(D) – NPT
- Air control unit for MO(D) pumps, consisting of a filter/pressure regulator combination, control pressure gauge and shut-off valve
Order code: M037(D) with C1

Other options available on request.



Type	Pressure ratio*	Displ. Volume **		Outlet pressure ***		Flow capacity l/min ****	Connections			Dimensions in mm			Weight kg
		cm ³	cu.inch	bar	psi		Air Drive L	Inlet A	Outlet B	A	B	C	
M022D	1:28	9.2	0.56	280	4060	3.91	3/8 BSPP	3/8 BSPP	1/4 BSPP	186	108	118	4.5
M037D	1:46	5.6	0.34	460	6670	2.35	3/8 BSPP	3/8 BSPP	1/4 BSPP	186	108	118	4.5
M072D	1:86	3.0	0.18	860	12470	1.24	3/8 BSPP	3/8 BSPP	1/4 BSPP	186	108	118	4.5
M0111D	1:130	2.0	0.12	1000	14500	0.82	3/8 BSPP	3/8 BSPP	1/4 BSPP	186	108	118	4.5
M0189D	1:220	1.2	0.07	1000	14500	0.49	3/8 BSPP	3/8 BSPP	1/4 BSPP	186	108	118	4.5