

Oil operation – S series up to 1,000 bar

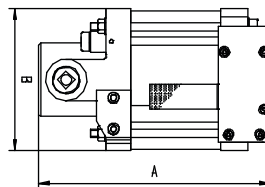
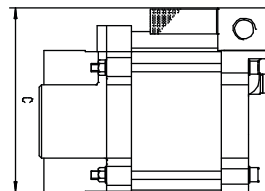
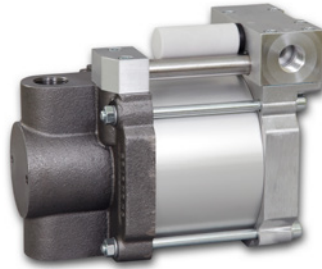
Maximator pumps of the S series are available in single- or double-acting design with one air drive piston. They are suitable for use in zone 1, category 2G/2D IIB TX explosion-proof areas (temperature class depending on medium temperature).

S-Pumps

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

The light and compact S pumps can be used with units for steady operation and in mobile applications. They already start at an air drive pressure of 1 bar (14.5 psi) and can be used for precision work.

- Material: Pump heads made of cast iron, pistons made of tool steel and seal made of polyurethane
- Only available with side inlet
- Maximum air drive pressure: 10 bar (145 psi)



Options for S pumps

- Special connections, e.g. with NPT thread

Order code: S35(D) - NPT

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	
S15	1:17	28.3	1.73	170	2465	9.38	1/2 BSPP	3/4 BSPP	3/4 BSPP	221	135	175.5	9.1
S25	1:25	19.6	1.20	250	3625	6.72	1/2 BSPP	3/4 BSPP	3/4 BSPP	221	135	175.5	9.1
S35	1:39	12.6	0.77	390	5655	4.31	1/2 BSPP	3/4 BSPP	3/4 BSPP	221	135	175.5	9.1
S60	1:61	8.0	0.49	610	8845	2.75	1/2 BSPP	1/2 BSPP	3/8 BSPP	221	135	175.5	9.1
S100	1:108	4.5	0.27	1000	14500	1.55	1/2 BSPP	1/2 BSPP	3/8 BSPP	221	135	175.5	9.1
S150	1:156	3.1	0.19	1000	14500	1.08	1/2 BSPP	1/2 BSPP	3/8 BSPP	221	135	175.5	9.1

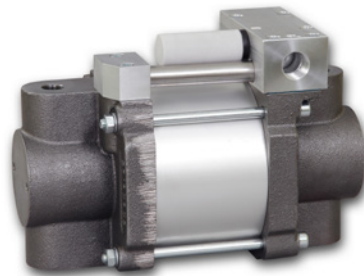
* Ratio – driving surface air drive piston / driven surface high pressure piston (calculated)

** 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)



S...D-Pumps

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

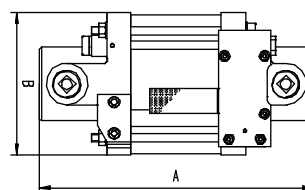
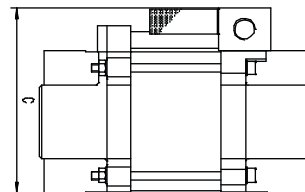
The S...D pumps run with lower pulsation than the single-acting S pumps and achieve an approx. 50% higher pump capacity.

- Connection for direct pilot valve air for switching the pump on and off via solenoid valves with small nominal size

- Air control unit for S pumps, consisting of a filter/pressure regulator combination, control pressure gauge and shut-off valve

Order code: S35(D) with C1.5

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	
S15D	1:16	57.0	3.48	160	2320	17.56	1/2 BSPP	3/4 BSPP	3/4 BSPP	260	135	175.5	14.5
S25D	1:24	39.0	2.39	240	3480	12.00	1/2 BSPP	3/4 BSPP	3/4 BSPP	260	135	175.5	14.5
S35D	1:38	25.2	1.54	380	5510	7.58	1/2 BSPP	3/4 BSPP	3/4 BSPP	260	135	175.5	14.5
S60D	1:60	16.0	0.98	600	8700	4.80	1/2 BSPP	1/2 BSPP	3/8 BSPP	260	135	175.5	14.5
S100D	1:107	9.0	0.55	1000	14500	2.68	1/2 BSPP	1/2 BSPP	3/8 BSPP	260	135	175.5	14.5
S150D	1:155	6.2	0.38	1000	14500	1.85	1/2 BSPP	1/2 BSPP	3/8 BSPP	260	135	175.5	14.5