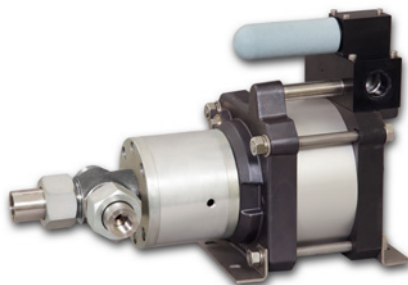


series up to 1,450 bar (21,000 psi)

All high-pressure pumps from the GSF series are suitable for use in zone 1, category 2G/2D IIB TX explosion-proof areas (temperature class depending on medium temperature).

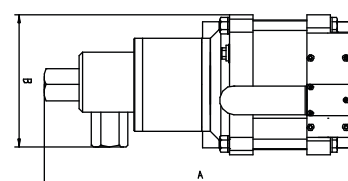
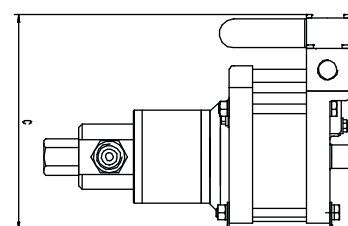


GSF-Pumps

- » Single-acting
- » With one air drive piston
- » Operating pressures of up to 1,450 bar (21,000 psi)

Due to their robust construction, GSF ideally satisfy the requirements for applications in the chemical industry.

- Material: GSF pump heads and pistons made of stainless steel
- Standard design with bottom inlet
- Maximum air drive pressure: 10 bar (145 psi)
- Distance piece and leakage borehole
- PTFE seal material



Options for GSF pumps

- Seal versions for special media
Order code: See media compatibility guide
- Side inlet:
Order code: GSF35-S
- Special connections, e.g. with NPT thread
Order code: G35(L) - NPT
- Air control unit for GSF pumps, consisting of a filter/pressure regulator combination, control pressure gauge and shut-off valve
Order code: GSF35 with C2
- Air control unit as above with additional safety valve in the air drive line for limiting the operating pressure on the high-pressure side - **Order code: GSF35 with C2/SVAir (Please indicate the operating pressure to be set.)**

Type	Pressure ratio*	Displ. Volume **		Outlet pressure ***		Flow capacity l/min ****	Connections			Dimensions in mm			Weight kg
		cm³	cu.inch	bar	psi		Air Drive L	Inlet A	Outlet B	A	B	C	
GSF10	1:11	90.0	5.49	110	1595	18.53	3/4 BSPP	1 BSPP	3/4 BSPP	411	190,5	272	20.0
GSF15	1:16	62.0	3.78	160	2320	12.86	3/4 BSPP	1 BSPP	3/4 BSPP	411	190,5	272	20.0
GSF25	1:28	35.3	2.15	280	4260	7.24	3/4 BSPP	3/4 BSPP	3/4 BSPP	400	181	272	19.0
GSF35	1:40	24.5	1.49	400	5800	5.02	3/4 BSPP	3/4 BSPP	3/4 BSPP	400	181	272	19.0
GSF60	1:63	15.7	0.96	630	9135	3.21	3/4 BSPP	3/4 BSPP	1/2 BSPP	412	181	272	18.0
GSF100	1:113	8.8	0.54	1050	15225	1.81	3/4 BSPP	3/4 BSPP	1/2 BSPP	412	181	272	18.0
GSF150	1:151	6.6	0.40	1450	21025	1.36	3/4 BSPP	3/4 BSPP	1/2 BSPP ①	412	181	272	18.0

Chemical and offshore industries – GPD series

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

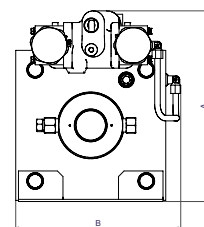
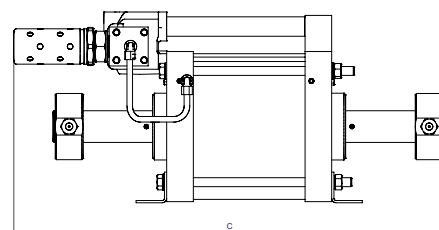
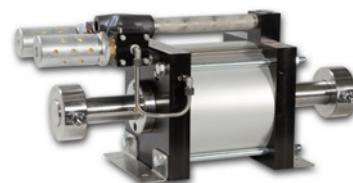
GPD-Pumps

- » **Double-acting**
- » **With one air drive piston**
- » **Operating pressures of up to 2,770 bar (40,200 psi)**

GPD pumps are distinguished by their high pump capacity with oil, water or different chemicals. They are optimally suited for testing pipelines, charging hydraulic accumulators or actuating subsea valves. Due to their high-quality materials, they are corrosion-resistant and can be used in a large number of applications in the oil and gas industry, the petrochemical industry and in general mechanical engineering.

Thanks to their smart design, the GPD pumps allow fast, easy maintenance. Their safe operation is ensured through the separation of the drive section from the high-pressure section by the distance piece, preventing potential contamination of the environment.

- Pump capacity: up to 48 l/min
- Standard models with UHMWPE seal and FKM O-rings
- Only available with side inlet
- Maximum air drive pressure 10 bar (145 psi)



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	
GPD30	1:30	508	31.0	300	4350	48.0	3/4 BSPP	3/4 BSPP	3/4 BSPP	343	300	777	58
GPD60	1:60	257	15.7	600	8700	22.0	3/4 BSPP	3/4 BSPP	3/4 BSPP	343	300	777	58
GPD120	1:129	121	7.4	1200	17400	11.2	3/4 BSPP	3/4 BSPP	13/16-16 UNF (9M)	343	300	777	58
GPD180	1:192	69	4.2	1920	27840	7.5	3/4 BSPP	1/4 BSPP	3/4-16 UNF (6H)	343	300	777	58
GPD260	1:277	48	2.9	2770	40165	4.8	3/4 BSPP	1/4 BSPP	3/4-16 UNF (6H)	343	300	777	58

* 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.

ⓘ High pressure pumps with outlet connections type BSPP or NPT are suitable for outlet pressures of up to 1,050 bar (15,000 psi). For higher outlet pressures, the pumps must be ordered with high pressure connections according to the required pressure range.