

HIGH PRESSURE PUMPS (I)

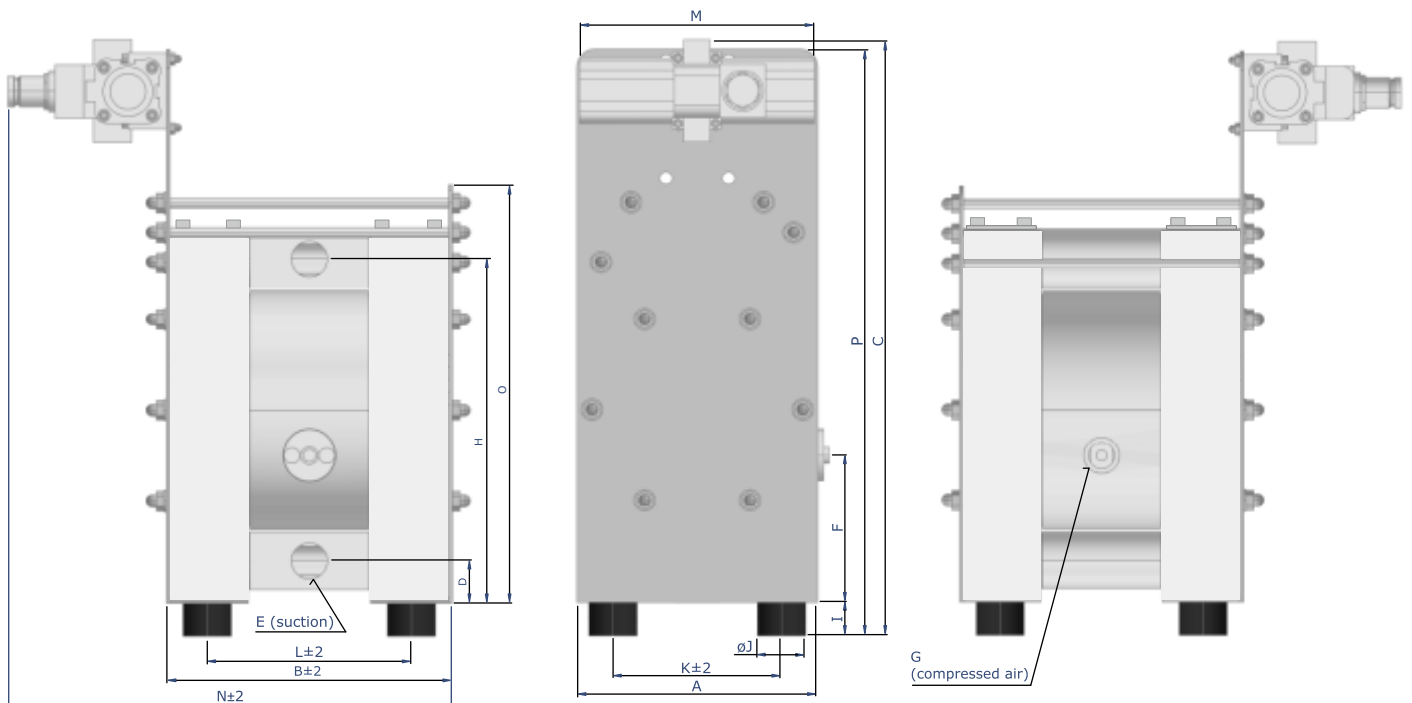


The high pressure (HP) option is a compact booster that can be directly mounted to the pump. It is capable of doubling the delivery pressure and, for example, with an available air pressure of 7bar the delivery pressure can be up to 14bar.

The design is based upon the standard DELLMECO pump made from machined polyethylene (PE). A pressure regulator is already incorporated with the unit for easy adjustment.

Applications include filter presses and slurry drying especially in the food and beverage industry as well as for water and wastewater management.

DIMENSIONS - PLASTIC PUMPS



DIMENSIONS	A	B	C	D	E	F	G	H	I	∅J	K	L	M	N	O	P
DM 15/55	153	183	335	25	G 1/2"	87	R 1/4"	217	18	30	112	136	195	321	253	333
DM 25/125	200	238	469	35	G 1"	123	R 1/4"	287	28	40	140	170	195	377	349	462
DM 40/315	270	318	600	42	G 1 1/2"	109	R 1/2"	388	30	60	190	227	290	529	500	600
DM 50/565	350	391	690	45	G 2"	158	R 1/2"	485	30	60	270	282	404	612	560	690

HIGH PRESSURE PUMPS (II)



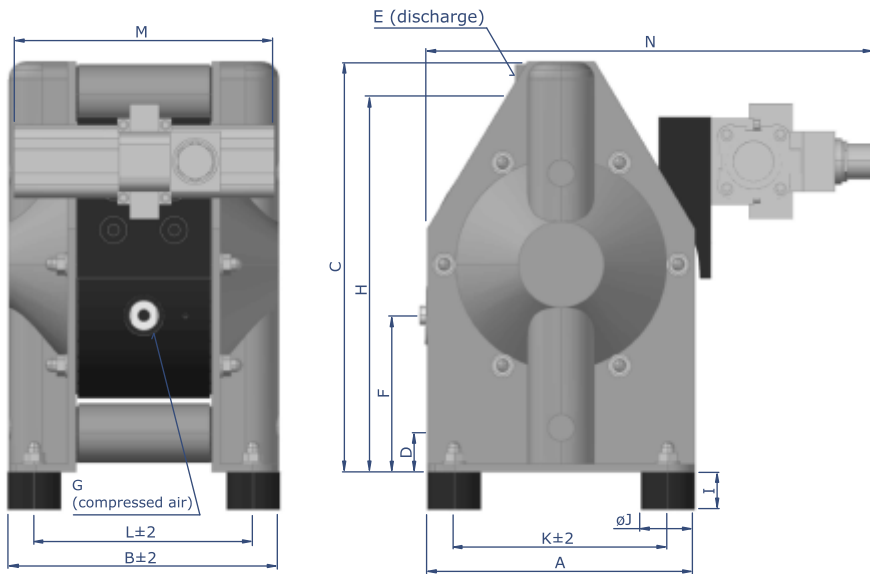
INSTALLATION

Our HP pumps are self-regulating and additional devices for regulating the media flow are not necessary. Just mount it to the unit, connect, and it's ready. Even the pressure regulator for the air supply is included.

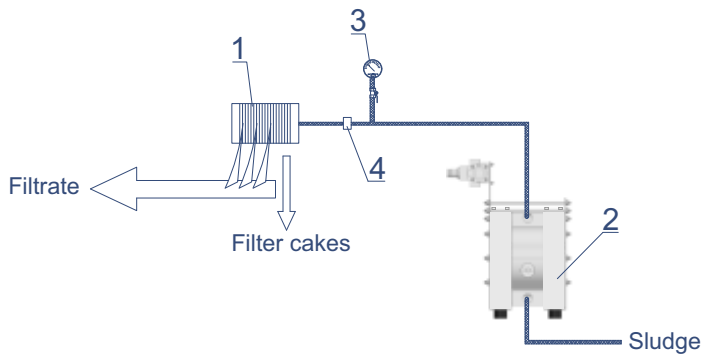
In applications such as for example filter presses, the filling level can be monitored by stroke sensors and stroke counters which are available as optional equipment.

The pump is also self priming and can run dry.

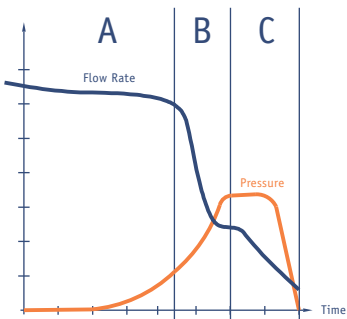
DIMENSIONS - METAL PUMPS



DIMENSIONS	A	B	C	D	E	F	G	H	I	øJ	K	L	M	N
DM 20/75	150	173	228	19	G 3/4"	84	R 1/4"	209	18	30	118	139	195	297
DM 25/125	200	202	302	27	G 1"	115	R 1/4"	279	18	30	160	164	195	351
DM 40/315	270	267	412	34	G 1 1/2"	100	R 1/2"	380	28	40	213	213	290	372
DM 50/565	350	345	538	48	G 2"	115	R 1/2"	493	30	60	286	285	404	573

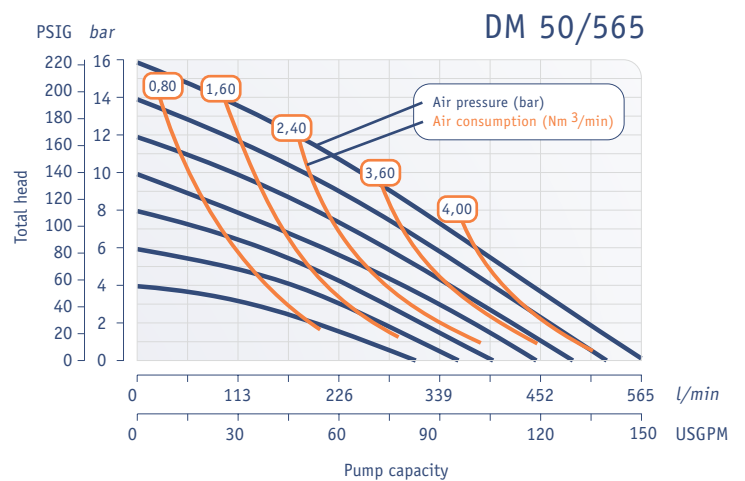
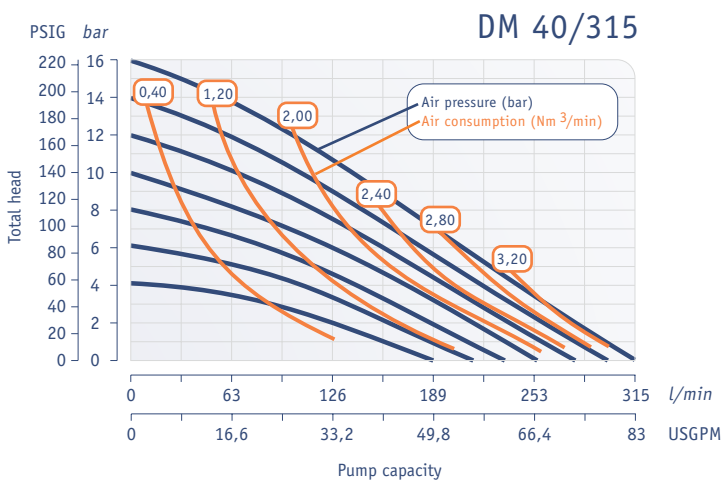
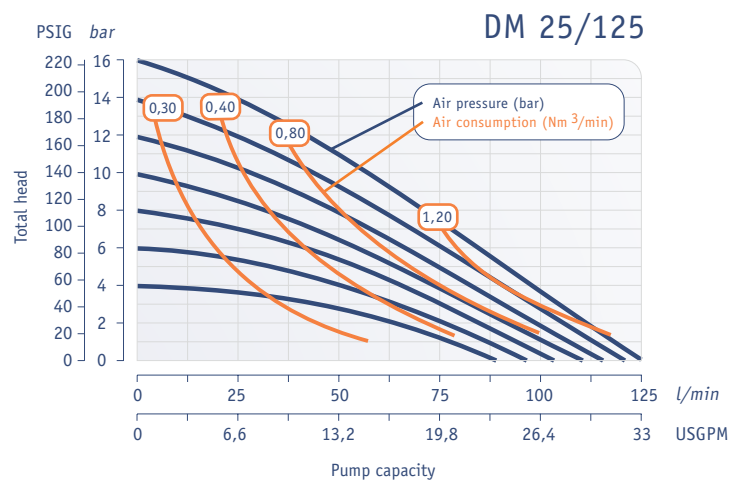
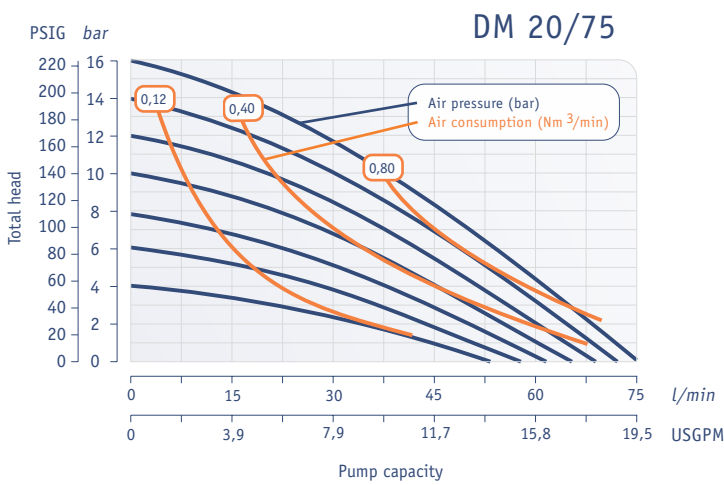


Part no.	Name
1	Filter press
2	Pump with high pressure booster
3	Pressure gauge
4	Bursting disk



Typical operating cycle of a filter press

- A – High capacity inlet: allowing filter cake formation
- B – End of filling: filtration resistance, capacity reduction
- C – Pressure maintenance: filter cake formed, high filtration resistance, reduction of filtrate flow to minimum flow at end of pressing process



HOW TO SELECT THE PUMP SIZE

Enter flow rate and pressure (e.g. 75 l/min and 14bar)
 Read off the pump size - in this case a DM 25/125 will be suitable with 7bar compressed air