

MINI M-L pumps family



This pump family with its very small size and low weight provide extra vacuum level to 84 -kPa. Some models are available with the connection plate in aluminium or composite PA. These are recommended to use when the handled product is made of a sealed material or a non-porous material such as plastic, metal or glass.

VACUUM FLOW

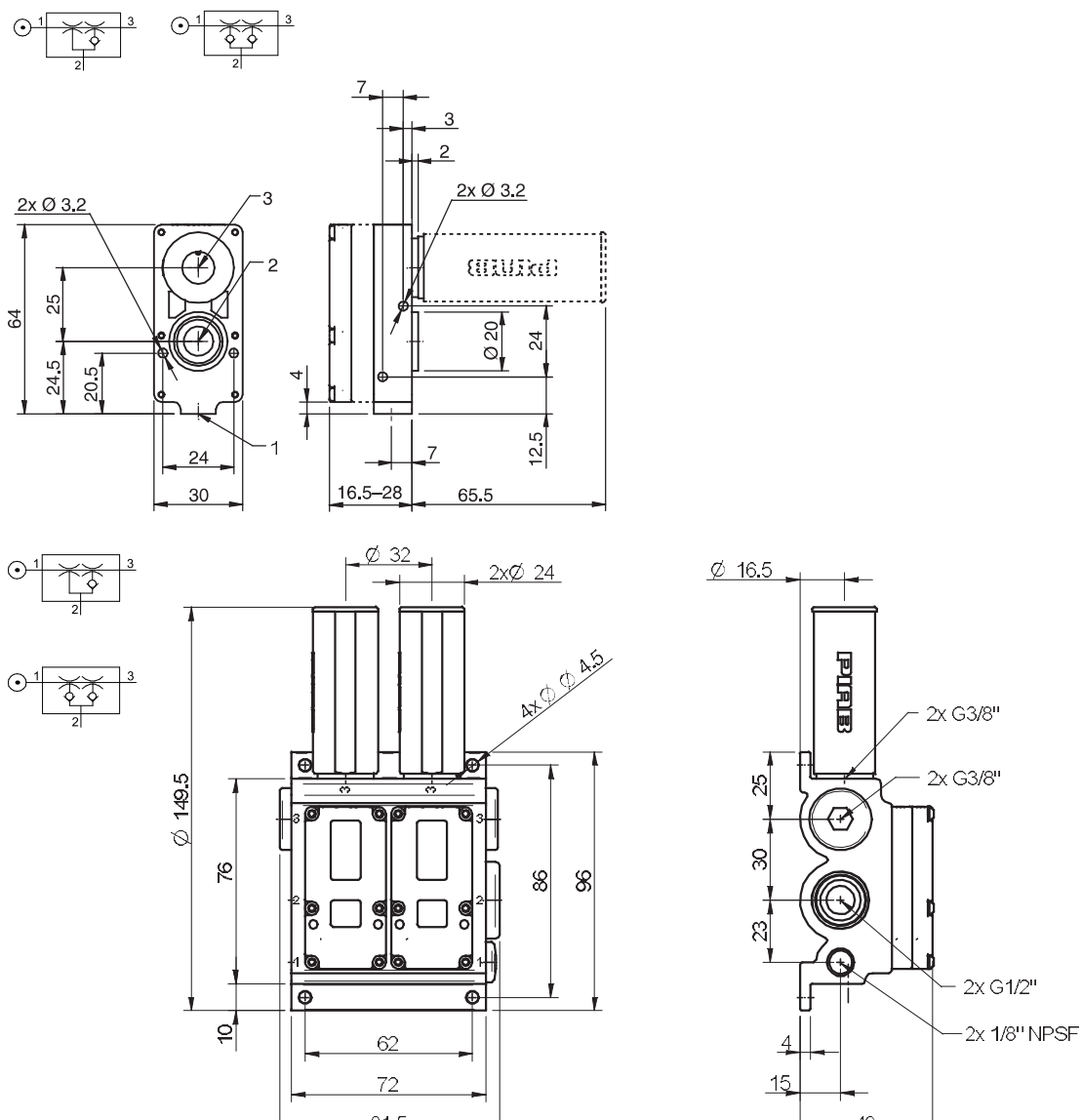
Pump name	Feed pressure	Air consumption	Vacuum flow (l/s) at different vacuum levels (-kPa)									Max vacuum
	MPa	l/s	0	10	20	30	40	50	60	70	80	-kPa
M5L	0.38	0.38	0.58	0.3	0.22	0.18	0.14	0.1	0.08	0.04	0.01	81
M5L	0.6	0.55	0.73	0.5	0.26	0.14	0.12	0.1	0.08	0.05	0.02	84
M10L	0.38	0.76	1.1	0.57	0.39	0.35	0.3	0.21	0.12	0.06	0.02	81
M10L	0.6	1.1	1.3	0.91	0.48	0.29	0.26	0.21	0.13	0.09	0.03	84
M20L	0.38	1.5	2	1.2	0.76	0.67	0.53	0.41	0.33	0.19	0.02	81
M20L	0.6	2.2	2.4	1.7	0.95	0.57	0.48	0.38	0.29	0.19	0.06	84
M40L	0.38	3	4	2.2	1.4	1.2	1	0.71	0.43	0.19	0.05	81
M40L	0.6	4.4	4.8	3.1	1.7	1.1	0.93	0.74	0.57	0.36	0.11	84

EVACUATION TIMES

Pump name	Feed pressure	Air consumption	Evacuation time (s/l) to reach different vacuum levels (-kPa)								Max vacuum
	MPa	NI/s	10	20	30	40	50	60	70	80	-kPa
M5L	0.38	0.38	0.2	0.61	1.2	1.8	2.6	3.8	5.9	11.1	81
M5L	0.6	0.55	0.13	0.36	1	1.8	2.8	4	5.7	9.4	84
M10L	0.38	0.76	0.13	0.31	0.57	0.9	1.3	2	3.2	7.1	81
M10L	0.6	1.1	0.079	0.2	0.5	0.92	1.4	2.1	3	5	84

Pump name	Feed pressure MPa	Air consumption NI/s	Evacuation time (s/l) to reach different vacuum levels (-kPa)								Max vacuum -kPa
			10	20	30	40	50	60	70	80	
M20L	0.38	1.5	0.052	0.14	0.26	0.42	0.64	1	1.7	3.7	81
M20L	0.6	2.2	0.038	0.1	0.24	0.43	0.68	1	1.5	2.5	84
M40L	0.38	3	0.03	0.074	0.13	0.21	0.32	0.5	0.95	1.6	81
M40L	0.6	4.4	0.031	0.064	0.13	0.22	0.34	0.5	0.7	1.3	84

DIMENSIONAL DRAWING



ORDERING INFORMATION

Description	Item No.
Vacuum pump MINI M5L, conn. A, NBR sealings	0102865
Vacuum pump MINI M5L, conn. A, NBR sealings, non-return valve	0102866
Vacuum pump MINI M10L, conn. A, NBR sealings	0102871
Vacuum pump MINI M10L, conn. A, NBR sealings, non-return valve	0102872
Vacuum pump MINI M20L, conn. B, NBR sealings	0103079
Vacuum pump MINI M20L, conn. B, NBR sealings, non-return valve	0103080
Vacuum pump MINI M20L, conn. B1, NBR sealings	0102839
Vacuum pump MINI M20L, conn. B1, NBR sealings, non-return valve	0102840
Vacuum pump MINI M20L, conn. C, NBR sealings	0102767
Vacuum pump MINI M20L, conn. C, NBR sealings, non-return valve	0102768
Vacuum pump MINI M40L, conn. K, NBR sealings	0102805
Vacuum pump MINI M40L, conn. K, NBR sealings, non-return valve	0102806