METAL PUMPS

1.Designed to succeed
- temperatures up to 120 °C
- pressure up to 14 bar
- lubrication-free operation
- low air consumption

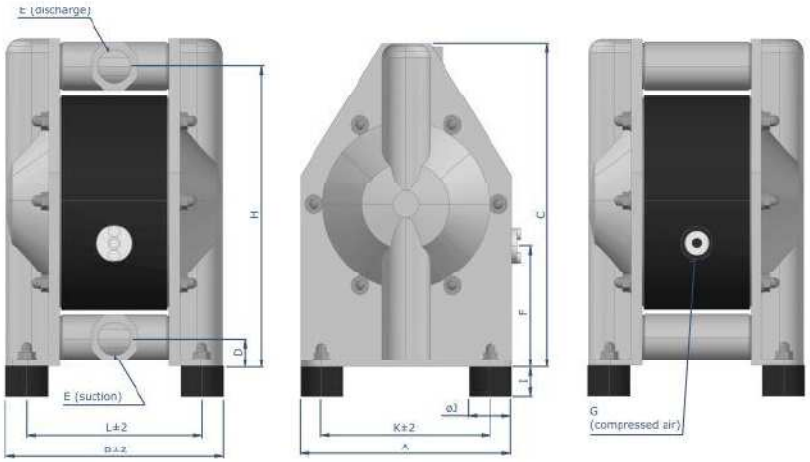
2.Flexible installations
- BSP as standard,
- PN10, PN16, ANSI, NPT, split manifold configurations available
- connections may rotate 180°

3.Solid and strong
- gentle pumping action
- viscous product transfer
- the valve seat made of AISI 316 is integrated with pump housing

4.Perfect diaphragm
- completely smooth liquid side surface (no hole)
- no metal in contact with the liquid

ALUMINIUM, ALUMINIUM WITH PTFE, CAST IRON

DIMENSIONAL DRAWING



DIMENSIONS	A	B	C	D	E	F	G	H	I	øJ	K	L
DM 15/25	104	122	166	17	G 1/2"	85	R 1/8"	153	10	15	84	98
DM 20/75	150	171	230	21	G 3/4"	84	R 1/4"	212	18	30	116	133
DM 25/125	200	202	305	27	G 1"	115	R 1/4"	280	28	40	160	164
DM 40/315	273	267	417	34	G 1 1/2"	110	R 1/2"	382	28	40	220	213
DM 50/565	352	345	546	48	G 2"	165	R 1/2"	501	30	60	282	281
DM 80/850	485	530	833	72	G 3"	364	R 3/4"	760	40	75	410	449

TECHNICAL DATA

	15/25	20/75	25/125	40/315	50/565	80/850 **
Max capacity (l/min)	25	75	125	315	565	850
Max pressure (bar)	8					
Nominal port size	1/2"	3/4"	1"	1 1/2"	2"	3"
Air connection	R 1/8"	R 1/4"	R 1/4"	R 1/2"	R 1/2"	R 3/4"
Suction lift dry (mWC)	2.0	3.0	4.0	4.0	5.0	5.0
Suction lift wet (mWC)	9.0					9.0
Max diameter solids (mm)	3	4	7	10	12	15
Temperature limits - NBR, EPDM (°C)	80					
Temperature limits - PTFE (°C)	120					110
Weight - Alu (kg)	1.9	4.9	8	18	33	97
Material of pump housing	Aluminium, Aluminium Coated with PTFE, Cast Iron					Aluminium
Diaphragm options	NBR, EPDM or TFM/PTFE					
Valve balls	NBR, EPDM, PTFE, AISI 316, PU					NBR, EPDM, PTFE
O-rings	NBR, EPDM, or FEP/FPM					

** - Aluminium version only

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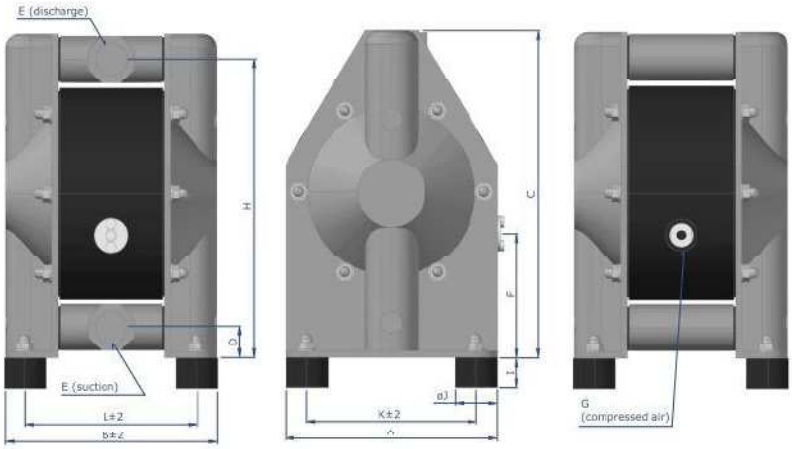
STAINLESS STEEL AISI 316 - INDUSTRIAL

DIMENSIONAL DRAWING



DIMENSIONS	A	B	C	D	E	F	G	H	I	øJ	K	L
DM 20/75	150	171	230	21	G 3/4"	86	R 1/4"	212	18	30	118	139
DM 25/125	200	202	306	29	G 1"	117	R 1/4"	282	28	40	160	164
DM 40/315	270	267	412	34	G 1 1/2"	110	R 1/2"	380	28	40	213	213
DM 50/565	350	345	538	48	G 2"	165	R 1/2"	493	30	60	286	285

TECHNICAL DATA

	20/75	25/125	40/315	50/565
Max capacity (l/min)	75	125	315	565
Max pressure (bar)	8			
Nominal port size	3/4"	1"	1 1/2"	2"
Air connection	R 1/4"	R 1/4"	R 1/2"	R 1/2"
Suction lift dry (mWC)	3.0	4.0	4.0	5.0
Suction lift wet (mWC)	9.0			
Max diameter solids (mm)	4	7	10	12
Temperature limits - NBR, EPDM (°C)	80			
Temperature limits - PTFE (°C)	120			
Weight - AISI 316 (kg)	8.5	14	31	70
Material of pump housing	AISI 316			
Diaphragm options	NBR, EPDM or TFM/PTFE			
Valve balls	NBR, EPDM, PTFE, AISI 316, PU			
O-rings	NBR, EPDM, or FEP/FPM			

SPECIAL MATERIAL VERSIONS

Aluminium coated with PTFE as alternative solution for AISI 316 pumps.
Pump connection are made of AISI 316.
Especially suitable for print and ink industry.

Cast iron Pump with PE-conductive (polyethylene conductive) center section.

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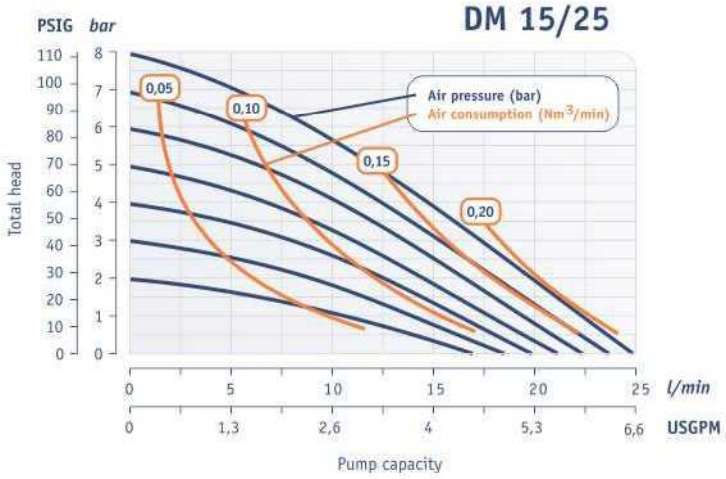
METAL PUMPS OPTIONS

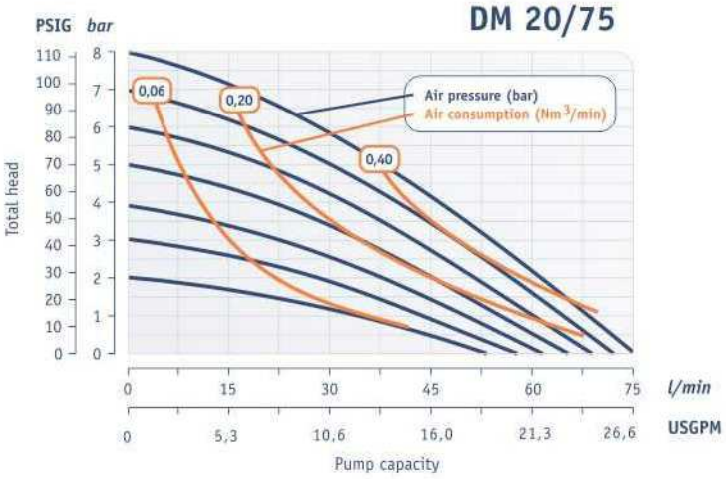
Metal pump with heating jacket.

Metal pump with handle for drum option.

DM 15/25



DM 20/75

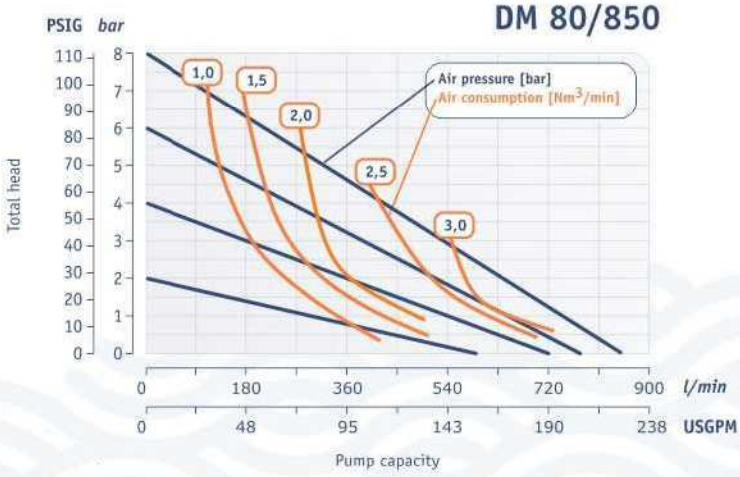


DM 25/125

DM 40/315

DM 50/565

DM 80/850



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