

# POLYETHYLENE AND PTFE 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, AISI316, ANSI, NPT, split manifold configurations available
- connections may rotate 180 °

## 3. Solid and strong

- housing machined from a solid PE, PTFE (and conductive)
- stand against aggressive chemicals
- gentle pumping action
- viscous product transfer

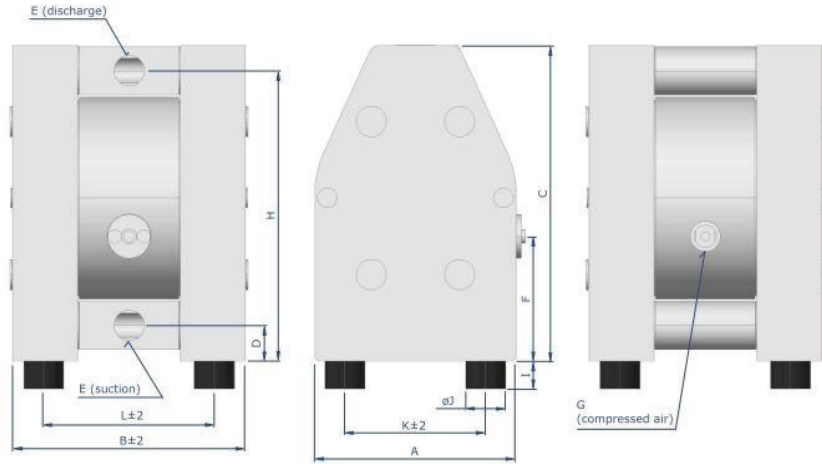
## 4. Perfect diaphragm

- completely smooth liquid side surface (no hole)
- no metal in contact with the liquid

# POLYETHYLENE AND PTFE MATERIALS



## DIMENSIONAL DRAWING



DIMENSIONS	A	B	C	D	E	F	G	H	I	ØJ	K	L
DM 08/10	70	113	120	15	G 1/4"	58	R 1/8"	107	10	15	50	86
DM 10/25	105	128	164	18	G 3/8"	84	R 1/8"	150	10	15	75	93
DM 15/55	153	177	235	25	G 1/2"	87	R 1/4"	217	18	30	112	136
DM 25/125	200	232	312	35	G 1"	123	R 1/4"	287	28	40	140	170
DM 40/315	270	312	426	42	G 1 1/2"	109	R 1/2"	388	30	60	190	227
DM 50/565	350	385	540	45	G 2"	158	R 1/2"	485	30	60	270	282
DM 80/800	480	580	800	100	G 3"	388	R 3/4"	690	40	75	395	495

## PUMP CODE

	08/10	10/25	15/55	25/125	40/315	50/565	80/800	
Max capacity (l/min)	10	25	55	125	315	565	800	
Max pressure (bar)	8							
Nominal port size	1/4"	3/8"	1/2"	1"	1 1/2"	2"	3"	
Air connection	R 1/8"	R 1/8"	R 1/4"	R 1/4"	R 1/2"	R 1/2"	R 3/4"	
Suction lift dry (mWC)	0.5/1.5*	2.0	3.0	4.0	4.0	5.0	5.0	
Suction lift wet (mWC)	9.0							
Max diameter solids (mm)	2	3	4	7	10	12	15	
Temperature limits - PE (°C)	70	70	70	70	70	70	70	
Temperature limits - PTFE (°C)	110	110	120	120	120	120	120	
Weight - PE (kg)	0.9	1.4	5	9	23	42	170	
Weight - PTFE (kg)	1.4	2.4	7	16	43	87	-	
Material of pump housing	PE, PTFE						PE	
Diaphragm options	TFM/PTFE	NBR, EPDM or TFM/PTFE						
Valve balls	PTFE, AISI 316	NBR, EPDM, PTFE, AISI 316, PU					NBR, EPDM, PTFE	
Rod valves	PTFE		PE or PTFE					-
O-rings	NBR, EPDM, FEP/FPM, PTFE+EPDM or PTFE+FPM							

\* 0.5 m for ball valves, 1.5 m for rod valves

# DELLMECO PERFORMANCE CURVES

