

# MULTI-LAYER DIAPHRAGM PUMPS



## OVERVIEW

- Multi-layer diaphragm technology
- High dosing accuracy
- Compact design
- Safe to run dry
- Leakage free
- Low-maintenance
- User-friendly
- Motor suitable for operation with frequency converter
- Continuous, manual stroke length adjustment
- Robust, metallic drive housing

## TECHNICAL DATA

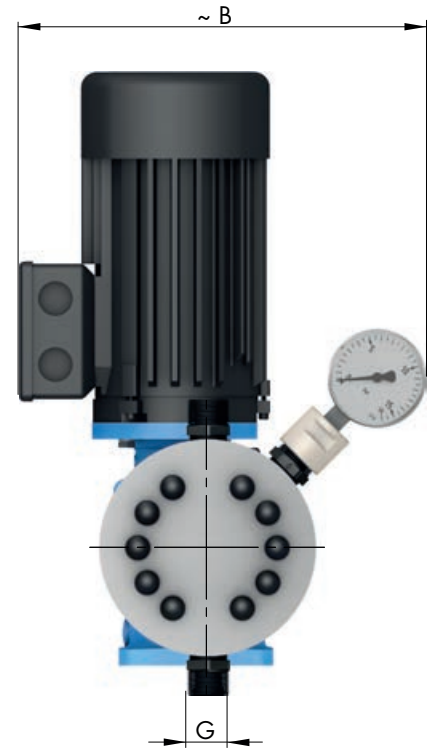
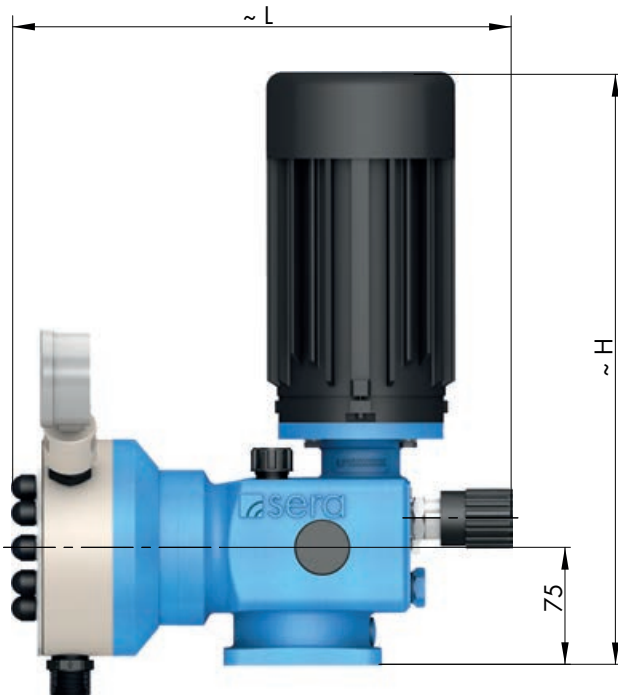
PUMP DATA			RF 409.2-... ML							
			11 ML	17 ML	30 ML	45 ML	72 ML	110 ML	150 ML	220 ML
Permissible pressure $p_{2max}$ at the pump outlet	bar	plastic	10	10	10	10	10	10	4	4
		stainless steel	20	20	16	16	10	10	4	4
Nominal capacity QN at $p_{2max}$	l/h	50 Hz	0-11	0-17	0-30	0-45	0-72	0-110	0-150	0-220
		60 Hz	0-13	0-20	0-36	0-54	0-86	0-132	0-180	0-264
Quantity per stroke	ml/stroke (100%)		1,8	1,8	5	5	12	12	25	24
Max. suction height	mWC		3	3	3	3	3	3	3	3
Min./max. permissible pressure at the pump inlet	bar	$p_{1min/max}$	-0,3/0	-0,3/0	-0,3/0	-0,3/0	-0,3/0	-0,3/0	-0,3/0	-0,3/0
Recommended nominal diameter of the connecting pipes	mm	DN	10	10	10	10	15	15	15	15
Nominal stroke frequency	1/min	50 Hz	100	150	100	150	100	150	100	150
		60 Hz	120	180	120	180	120	180	120	180
Weight approx.	kg	plastic	14	14	15	15	16	16	18	18
		stainless steel	16	16	17	17	18	18	24	24

ELECTRICAL DATA		RF 409.2-... ML
Power consumption	kW	0,37
Voltage	V	230/400V 50Hz, 460V 60Hz
Frequency	Hz	50/60
Insulation class	ISO	F
Enclosure	IP	55

Flow capacity 11 l/h ... 220 l/h  
 Admissible counterpressure up to 20 bar

RF 409.2-...ML

## DIMENSIONS



	G		B	L	H		B	L	H
RF 409.2-11 ML, ...-17ML	G 3/4	PVC, PP, PVDF	270	323	365	1.4571	270	310	365
RF 409.2-30 ML, ...-45 ML	G 3/4		275	323	365		275	309	365
RF 409.2-72 ML, ...-110 ML	G 3/4		275	327	365		275	316	365
RF 409.2-150 ML, ...-220 ML	G1 1/4*		290	344	365		290	341	365

\* PVC = G1

## CHARACTERISTIC CURVES

COMING SOON