



MECHANICAL DIAPHRAGM METERING PUMPS

MS0 SERIES - TECHNICAL SPECIFICATION

- » Capacity From 15 to 60 L/h
- » Max Pressure 5 BAR
- » Stroke Rate 41 • 58 • 82 • 116 strokes/minute
- » Diaphragm Diameter 50 mm
- » Motor Standard 0.09 kW (IP55)
- » Stroke Length 2 mm

MS1 SERIES - TECHNICAL SPECIFICATION

- » Capacity From 5.5 to 500 L/h
- » Max Pressure 10 BAR
- » Stroke Rate 58 • 78 • 116 strokes/minute
- » Diaphragm Diameter From 64 to 165 mm
- » Motor Standard 0.18 • 0.25 • 0.37 kW • 0.55 kW (IP55)
- » Stroke Length 2 mm • 4 mm • 6 mm

MS3 SERIES - TECHNICAL SPECIFICATION

- » Capacity From 660 L/h
- » Max Pressure 4 BAR
- » Stroke Rate 156 strokes/minute
- » Diaphragm Diameter 165 mm
- » Motor Standard 0.75 kW (IP55)
- » Stroke Length 6 mm

MS4 SERIES - TECHNICAL SPECIFICATION

- » Capacity From 800 to 2000 L/h
- » Max Pressure 4 BAR
- » Stroke Rate 93/116 strokes/minute
- » Diaphragm Diameter 210 mm
- » Motor Standard 1.1 kW - 3 ph (IP55)
- » Stroke Length 10/20 mm

MS0 SERIES - PRODUCT INFORMATION

Model	Piston Diameter [mm]	Stroke/min	Flow Rate (l/h)		Max Back Pressure		Suction/Discharge Connection		Electric Motor 50Hz 3 phases [kW]
			l/h	gl/h	bar	psa	SS 316	PP/PVC	
MS0A050E	50	41	15	3.97	5	72.5	1/2" G M	3/4" G M (1/2 G M)	0.09 (F4)
MS0A050A		58	20	5.29					
MS0A050F		82	30	7.94					
MS0A050C		116	42	11.11					
MS0A050G		164	60	15.87					

MS1 SERIES - PRODUCT INFORMATION

Model	Diaphragm Diameter	Strokes/min	Flow Rate		Max Pressure				Connection		3 phases Motor (kw)
					BAR		PSI				
			(l/h)	(gl/h)	SS 316	PP	SS 316	PP	SS 316	PP	
MS1A064A	64	58	5.5	1.45	10	10	145	145	1/4" G F	1/4" G F	0.18 (A4)
MS1A064B		78	8	2.12							
MS1A064C		116	11	2.91							
MS1A094A	94	58	20	5.59	10	10	145	145	3/8" G F	1/4" G F	0.25 (B4)
MS1A094B		78	26	6.88							
MS1A094C		116	40	10.58							
MS1B108A	108	58	60	15.87	10	10	145	145	3/8" G F	3/8" G F	0.37 (C4)
MS1B108B		78	80	21.16							
MS1B108C		116	120	31.75							
MS1C138A	138	58	155	41	7	7	101.5	101.5	3/4" G F	3/4" G F	0.37 (C4)
MS1C138B		78	220	58.2							
MS1C138C		116	310	82					1" G F	1" G F	
MS1C165A	165	58	230	60.85	5	5	72.5	72.5	1" G F	1" G F	0.37 (C4)
MS1C165B		78	330	87.30							
MS1C165C		116	500	132.3	3	3	43.5	43.5			

MS3 SERIES - PRODUCT INFORMATION

Model	Piston Diameter [mm]	Stroke/min	Flow Rate (l/h)		Max Back Pressure				Suction/Discharge Connection	Electric Motor 50Hz 3 phases [kW]
					bar		p.s.i			
			l/h	gl/h	SS 316	PP PVC/PVDF	SS 316	PP PVC/PVDF		
MS3C165H	165	156	660	174	4	4	58	58	1" G F	0.75 (Q4)

MS4 SERIES - PRODUCT INFORMATION

Model	Diaphragm Diameter [mm]	Stroke/min	Flow Rate (l/h)		Max Back Pressure				Suction/Discharge Connection	Electric Motor 50Hz 3 phases [kW]
					bar		p.s.i			
			l/h	gl/h	SS 316	PP PVC/PVDF	SS 316	PP PVC/PVDF		
MS4G210C	210	116	2000	526	4	4	58	58	DN50-PN10 RF	1.1 (Q4)
MS4G210L		93	1600	421						
MS4H210C		116	1000	263						
MS4H210L		93	800	211						

TOLL FREE:
1800 102 4466

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