

MS Series Datasheet

COMPACT WALL-MOUNTED SOLENOID-DRIVEN DOSING PUMP

General Information

Mytho's Hyperion MS Series is a simple solenoid dosing pump that manages dosing via microprocessor. Its external enclosure is IP65 rated to guarantee protection against water and dust ingress. The system features constant flow rate and is manually adjustable, with an LED relaying operational status according to dosing regulation.

- Steady green LED switches off with every stroke (pump running)
- Flashing green LED when the potentiometer is 0

The pump head has a manual priming valve with flow rate manually or automatically (by signal input) adjustable from 0 (pump stop) to 100% of the maximum flow rate.

The MS Series can be wall mounted courtesy of the included fixing bracket or fitted on top of a drum with an optional foot fixing bracket. This system can be used at up to 40°C ambient temperature and 90% humidity away from sun exposure and severe weather conditions.



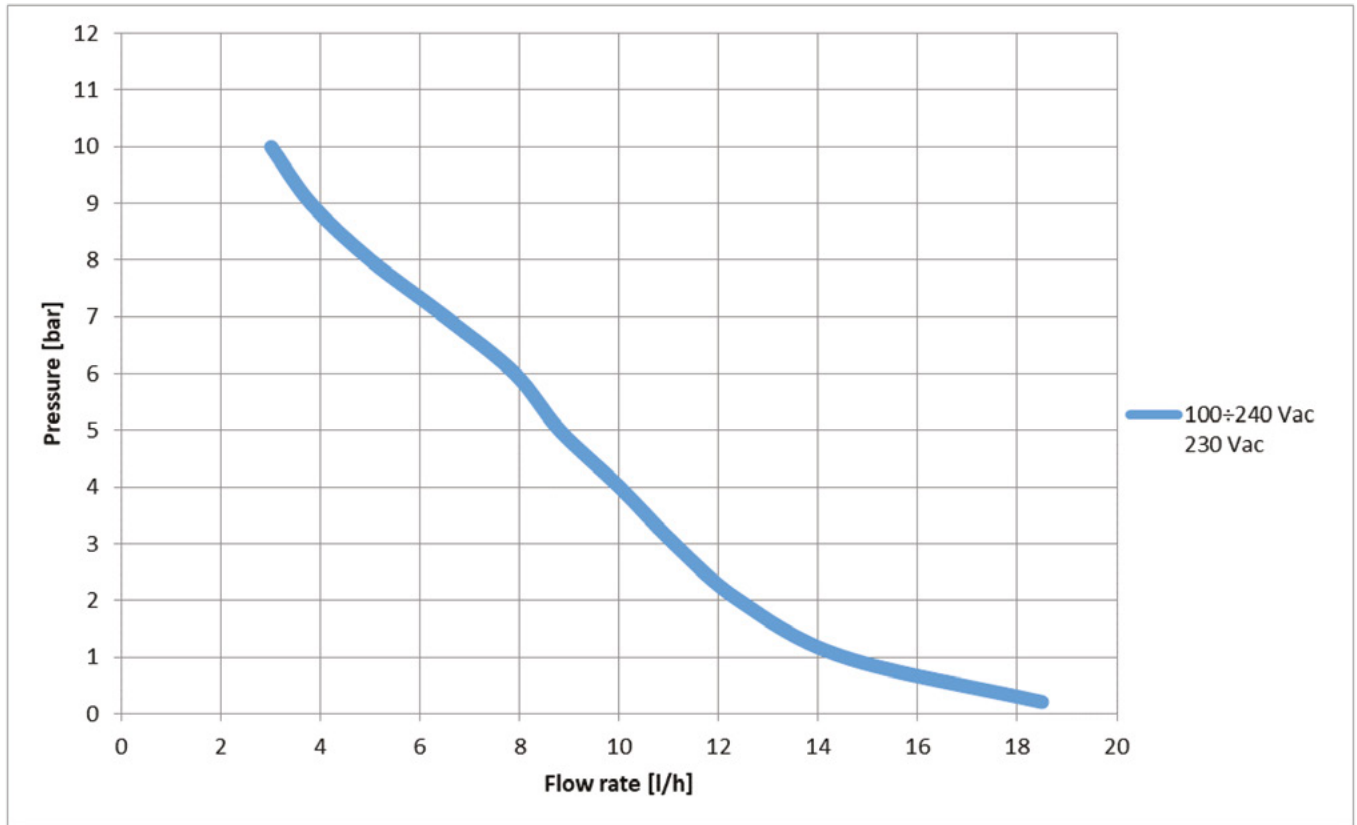
Features

- Flow rates: 5 l/h @ 8 bar, 3 l/h @ 10 bar
- Power supply: 230 Vac - 50/60 Hz
- Stroke rate: 160 strokes/minute
- Pump head: PVDF
- Diaphragm: PTFE
- External enclosure: PP reinforced with IP65-rated fibreglass
- Manual priming valve
- Installation kit included

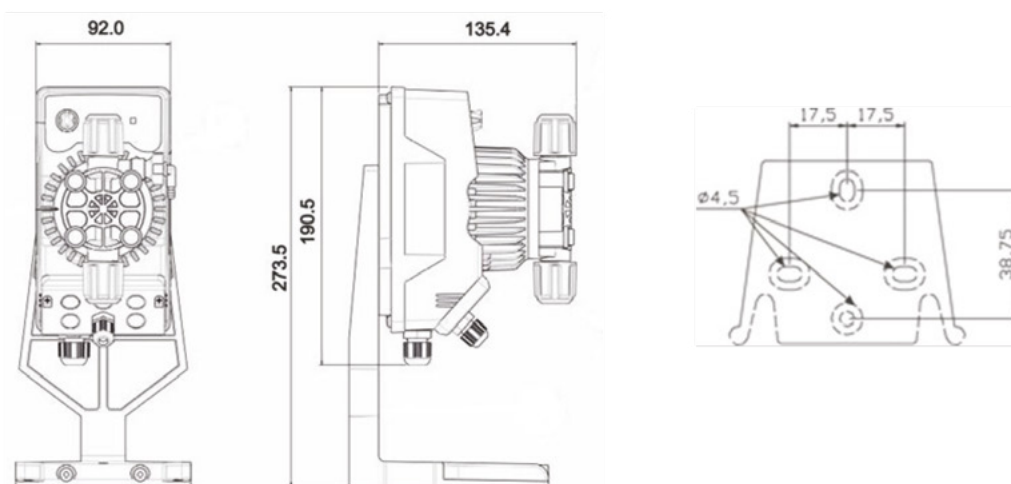
Applications

- Wastewater treatment
- Dairy
- CIP
- Fish farming
- Drinking water
- Cooling towers
- Boiler
- Reverse osmosis
- Galvanic industry
- Irrigation

MS Series performance curves



MS Series overall dimensional drawing



M Series key code

Model																																				
MS	Analogue interface - Constant flow rate manually adjustable.																																			
MG	Digital interface - Constant flow rate, manually adjustable. Proportional flow rate according to an external analogue (4-20 mA) or digital signal (water meter, 1:n or n:1). Timed dosing with a weekly programmable timer; Dosage in ppm; Dosage batch; Statistics; Password; Input ON-OFF (remote switch)																																			
<table border="1"> <thead> <tr> <th>Hydraulics</th> <th>Pressure [bar]</th> <th>Flow rate [l/h]</th> <th>Capacity [cc/stroke]</th> <th>Frequency [stroke/min]</th> <th>Ø Hydr Connections IN / EXT.[mm]</th> <th colspan="4"></th> </tr> </thead> <tbody> <tr> <td rowspan="2">08</td> <td>10</td> <td>3</td> <td>0.31</td> <td rowspan="2">160</td> <td rowspan="2">4 / 6</td> <td colspan="4"></td> </tr> <tr> <td>8</td> <td>5</td> <td>0.52</td> <td colspan="4"></td> </tr> </tbody> </table>										Hydraulics	Pressure [bar]	Flow rate [l/h]	Capacity [cc/stroke]	Frequency [stroke/min]	Ø Hydr Connections IN / EXT.[mm]					08	10	3	0.31	160	4 / 6					8	5	0.52				
Hydraulics	Pressure [bar]	Flow rate [l/h]	Capacity [cc/stroke]	Frequency [stroke/min]	Ø Hydr Connections IN / EXT.[mm]																															
08	10	3	0.31	160	4 / 6																															
	8	5	0.52																																	
Power supply																																				
	A	230 Vac							MS model																											
	N	100÷240 Vac 50/60 Hz							MG model																											
Liquid end					Body																															
H					PVDF																															
Installation kit																																				
	H	PVDF							Standard																											
	X	with 1.5 bar injection valve																																		
Seals																																				
	0	FKM-B																																		
	1	EPDM																																		
	3	FFKM							installation kit with PTFE seals																											
Market																																				
	0																																			
						Customisation																														
						N																														
							Optional																													
							0																													
MS	08	A	H	H	0	0	N	0																												

MG Series Datasheet

COMPACT WALL-MOUNTED SOLENOID-DRIVEN DOSING PUMP

General Information

Mytho's Hyperion MG Series is a simple solenoid-driven pump that manages dosing via micro-processor for precision and consistency. The MG Series is IP65 rated for protection against dust and water ingress, while the system's digital constant flow rate is manually adjustable. This pump offers proportional flow rate according to an external analogic (4-20 mA) or digital signal (water meter, 1:n or n:1).

The MG Series' pump head has a manual priming valve alongside a weekly programmable timer with dosage in ppm or batch.

The pump comes with installation kit included and also offers statistics and password protection.

The MG Series can be wall mounted via the included fixing bracket, or drum mounted with an optional foot fixing bracket. The pump is designed for use in ambient temperatures up to 40°C and relative humidity up to 90% and should not be exposed to direct sunlight or severe weather conditions.



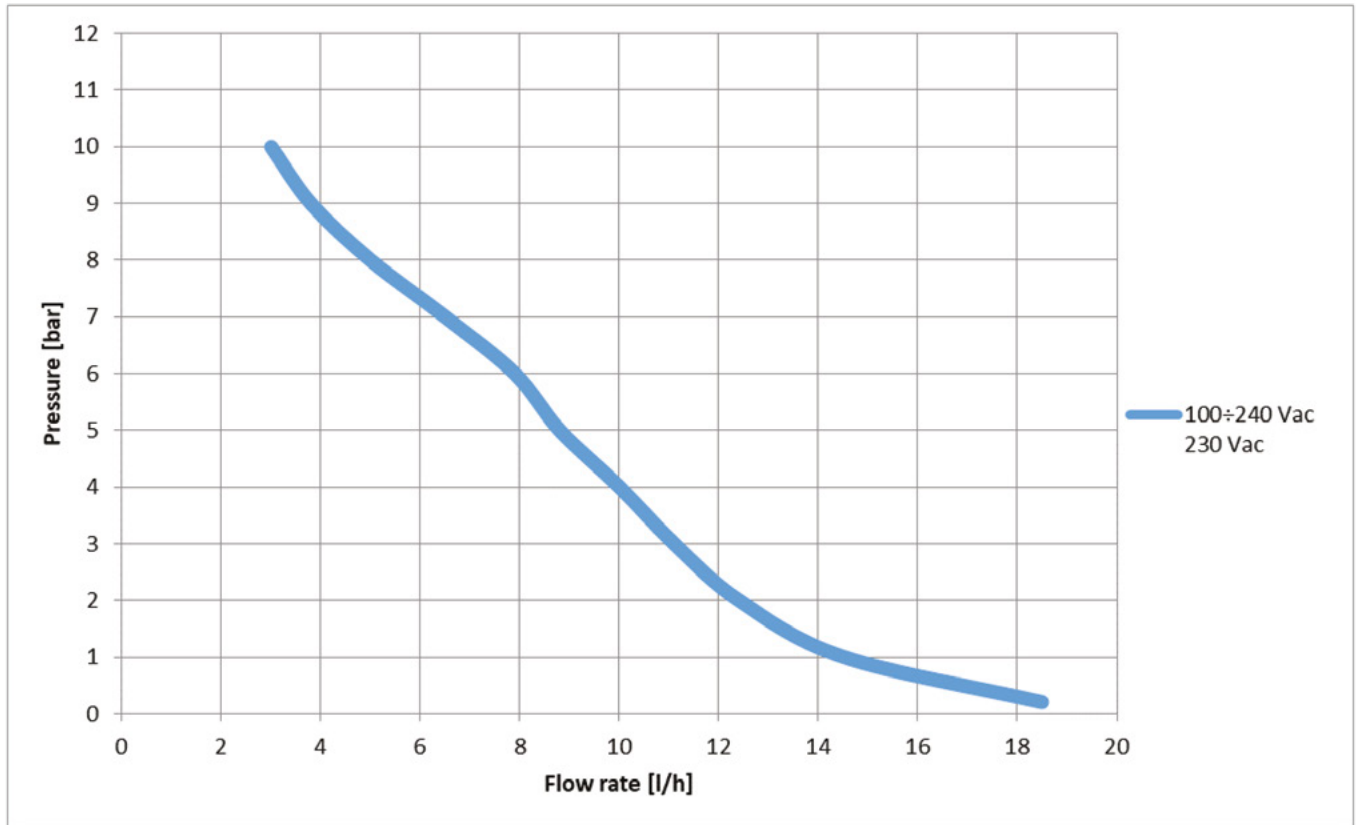
Features

- Flow rates: 5 l/h @ 8 bar, 3 l/h @ 10 bar
- Power supply: 100÷240 Vac 50/60 Hz
- Stroke rate: 160 strokes/minute
- Pump head: PVDF
- Diaphragm: PTFE
- External enclosure: PP reinforced with IP65-rated fibreglass
- Manual priming valve
- Installation kit included

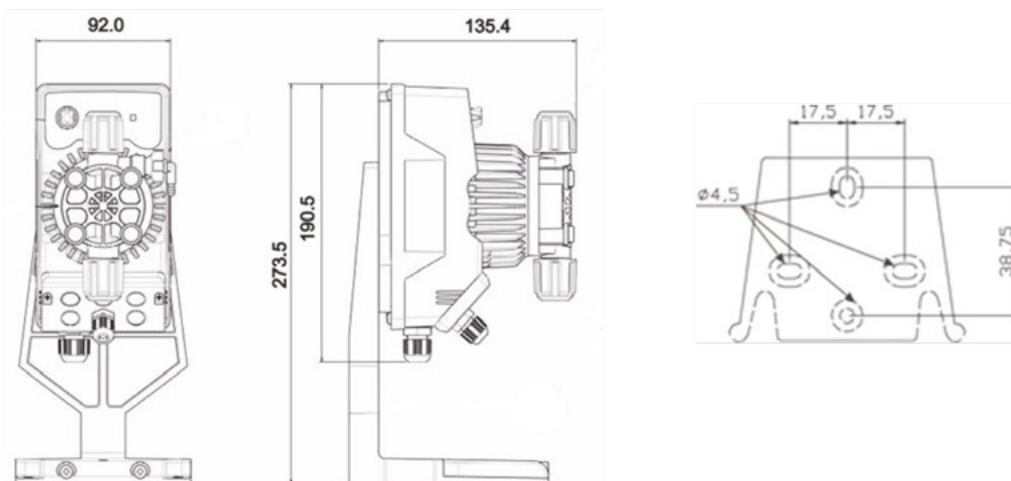
Applications

- Wastewater treatment
- Dairy
- CIP
- Fish farming
- Drinking water
- Cooling towers
- Boiler
- Reverse osmosis
- Galvanic industry
- Irrigation

MG Series performance curves



MG Series overall dimensional drawing



M Series key code

Model																																				
MS	Analogue interface - Constant flow rate manually adjustable.																																			
MG	Digital interface - Constant flow rate, manually adjustable. Proportional flow rate according to an external analogue (4-20 mA) or digital signal (water meter, 1:n or n:1). Timed dosing with a weekly programmable timer; Dosage in ppm; Dosage batch; Statistics; Password; Input ON-OFF (remote switch)																																			
<table border="1"> <thead> <tr> <th>Hydraulics</th> <th>Pressure [bar]</th> <th>Flow rate [l/h]</th> <th>Capacity [cc/stroke]</th> <th>Frequency [stroke/min]</th> <th>Ø Hydr Connections IN / EXT.[mm]</th> <th colspan="4"></th> </tr> </thead> <tbody> <tr> <td rowspan="2">08</td> <td>10</td> <td>3</td> <td>0.31</td> <td rowspan="2">160</td> <td rowspan="2">4 / 6</td> <td colspan="4"></td> </tr> <tr> <td>8</td> <td>5</td> <td>0.52</td> <td colspan="4"></td> </tr> </tbody> </table>										Hydraulics	Pressure [bar]	Flow rate [l/h]	Capacity [cc/stroke]	Frequency [stroke/min]	Ø Hydr Connections IN / EXT.[mm]					08	10	3	0.31	160	4 / 6					8	5	0.52				
Hydraulics	Pressure [bar]	Flow rate [l/h]	Capacity [cc/stroke]	Frequency [stroke/min]	Ø Hydr Connections IN / EXT.[mm]																															
08	10	3	0.31	160	4 / 6																															
	8	5	0.52																																	
Power supply																																				
	A	230 Vac							MS model																											
	N	100÷240 Vac 50/60 Hz							MG model																											
Liquid end					Body																															
H					PVDF																															
Installation kit																																				
	H	PVDF							Standard																											
	X	with 1.5 bar injection valve																																		
Seals																																				
	0	FKM-B																																		
	1	EPDM																																		
	3	FFKM installation kit with PTFE seals																																		
Market																																				
	0																																			
						Customisation																														
						N																														
							Optional																													
							0																													
MS	08	A	H	H	0	0	N	0																												