

# YG Series Datasheet

## BASE-MOUNTED SOLENOID-DRIVEN DOSING PUMP

### General Information

Mytho's Hyperion YG Series is a digital dosing pump with constant flow rate, which is manually adjustable by a keyboard (frequency) mounted on the rear panel. Proportional flow rate is managed according to an external analogic (4-20 mA) or digital signal (water meter, 1:n or n:1).

- Timer function
- PPM proportional dosing
- Statistics
- Password
- Input On-Off (remote control)

With four models in the range, the YG Series covers a wide range of performances including flow rates from 2.5 to 110 l/h and backpressure from 0.1 to 20 bar. The power supply is 100÷240 Vac – 50/60 Hz, therefore the same pump can operate with different supply voltage.

The YG Series' pump head comes in PVDF for high chemical compatibility while the pump is designed for use in ambient temperatures up to 40°C and relative humidity as high as 90%, protected from direct sunlight and extreme weather conditions.

This system is equipped with a manual priming pump for start up and features convenient connectors external to the pump for signal input, in order to avoid opening the pump to make connections. The pump is furnished with a complete standard installation kit, which includes: PVDF foot filter and injection valve, PVC suction and bleed tube plus PVDF delivery tube.



### Features

- Flow rates: 2.5 - 110 l/h
- Max. backpressure: up to 20 bar
- Power supply: 100÷240 Vac - 50/60 Hz
- Stroke rate: 120 - 300 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



# Y Series key code



Model	
YL	Digital interface - Constant flow rate manually adjustable. Level control input.
YG	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). Timer function, ppm proportional dosing. Statistics. Password input ON-OFF (remote control). Modbus protocol available.
YR	Digital interface - Constant flow rate, manually adjustable. Proportional dosing according the measured pH or redox value. PT100 probe input for thermal compensation. Repetition alarm relay. Input On-Off for remote control. 4-20 mA output for measure transmission. Available with Modbus protocol.

Hydraulics	Pressure [bar]	Flow rate [l/h]	Capacity [cc/stroke]	Frequency [stroke/1']	Ø Hydr Connections IN / EXT.[mm]
20	20	2,5	0,35	120	4 / 6
	18	3	0,42		
	14	4,2	0,58		
30	8	7	0,97	160	4 / 6
	12	4	0,42		
	10	5	0,52		
40	8	6	0,63	300	4 / 6
	2	8	0,83		
	16	7	0,38		
50	10	10	0,55	300	8 / 10
	5	15	0,83		
	1	18	1,00		
50	5	20	1,11	300	8 / 10
	4	32	1,78		
	2	62	3,44		
50	0,1	110	6,11		

### Power supply

N 100±240 Vac 50/60 Hz

### Liquid end Body

H PVDF Standard

A PVDF - automatic degassing not for hydraulic 50

I SS316L

### Installation kit Body

H PVDF Standard

X with 1.5 bar injection valve

0 WITHOUT kit only with liquid end "I"

### Seals

0 FKM-B

1 EPDM

2 PTFE

3 FFKM Installation kit with PTFE seals (not for Hydraulic 50)

### Market

0

### Customisation

N

### Optional

0 standard

M Modbus not for YL

YL	30	N	H	H	0	0	N	0
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# YL Series Datasheet

## BASE-MOUNTED SOLENOID-DRIVEN DOSING PUMP

### General Information

Mytho's Hyperion YL Series is a digital dosing pump with constant flow rate, which is manually adjustable by a keyboard (frequency).

With four models in the range, the YL Series covers a wide range of performances including flow rates from 2.5 to 110 l/h and back pressure from 0.1 to 20 bar. The power supply is 100÷240 Vac – 50/60 Hz, therefore the same pump can operate with different supply voltage.

The YL Series' pump head comes in PVDF for high chemical compatibility while the pump is designed for use in ambient temperatures up to 40°C and relative humidity as high as 90%, protected from direct sunlight and extreme weather conditions.

This system is equipped with a manual priming pump for start up and features convenient connectors external to the pump for signal input, in order to avoid opening the pump to making connections. The pump is furnished with a complete standard installation kit, which includes: PVDF foot filter and injection valve, PVC suction and bleed tube plus PVDF delivery tube.



### Features

- Flow rates: 2.5 - 100 l/h
- Max. backpressure: up to 20 bar
- Power supply: 100÷240 Vac - 50/60 Hz
- Stroke rate: 120 - 300 strokes/minute
- Pump head: PVDF
- Diaphragm: PTFE
- External enclosure: PP reinforced with IP65-rated fibreglass
- Manual priming valve
- External connectors for all signal inputs
- Installation kit included

### Applications

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



# Y Series key code



Model	
YL	Digital interface - Constant flow rate manually adjustable. Level control input.
YG	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). Timer function, ppm proportional dosing. Statistics. Password input ON-OFF (remote control). Modbus protocol available.
YR	Digital interface - Constant flow rate, manually adjustable. Proportional dosing according the measured pH or redox value. PT100 probe input for thermal compensation. Repetition alarm relay. Input On-Off for remote control. 4-20 mA output for measure transmission. Available with Modbus protocol.

Hydraulics	Pressure [bar]	Flow rate [l/h]	Capacity [cc/stroke]	Frequency [stroke/1']	Ø Hydr Connections IN / EXT.[mm]
20	20	2,5	0,35	120	4 / 6
	18	3	0,42		
	14	4,2	0,58		
30	8	7	0,97	160	4 / 6
	12	4	0,42		
	10	5	0,52		
40	8	6	0,63	300	4 / 6
	2	8	0,83		
	16	7	0,38		
50	10	10	0,55	300	8 / 10
	5	15	0,83		
	1	18	1,00		
50	5	20	1,11	300	8 / 10
	4	32	1,78		
	2	62	3,44		
50	0,1	110	6,11		

### Power supply

N 100±240 Vac 50/60 Hz

Liquid end	Body	
H	PVDF	Standard
A	PVDF - automatic degassing	not for hydraulic 50
I	SS316L	

Installation kit	Body	
H	PVDF	Standard
X	with 1.5 bar injection valve	
0	WITHOUT kit	only with liquid end "I"

Seals		
0	FKM-B	
1	EPDM	
2	PTFE	
3	FFKM	Installation kit with PTFE seals (not for Hydraulic 50)

Market	
0	

Customisation	
N	

Optional	
0	standard
M	Modbus not for YL

YL 30 N H H 0 0 N 0

# YR Series Datasheet

## BASE-MOUNTED SOLENOID-DRIVEN DOSING PUMP

### General Information

Mytho's Hyperion YR Series is a digital dosing pump with constant flow rate, which is manually adjustable via a keyboard mounted on the rear panel. Proportional dosing is performed according to the measured pH or redox value. With four sizes to choose from, the YR Series covers a wide range of performances, having a flow rate range from 2.5 to 110 l/h and backpressure from 0.1 to 20 bar. The power supply is 100÷240 Vac – 50/60 Hz, allowing the pump to operate with a different supply voltage.

The YR Series features a PVDF pump head for excellent chemical compatibility and is equipped with a manually priming pump for start up. As with all Hyperion pumps, the YR Series uses convenient external connectors for signal input, removing the need to open the pump when making connections. The pump is furnished with a complete standard installation kit which includes a PVDF foot filter, injection valve and delivery tube plus PVC suction and bleed tube.

The YR Series 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.



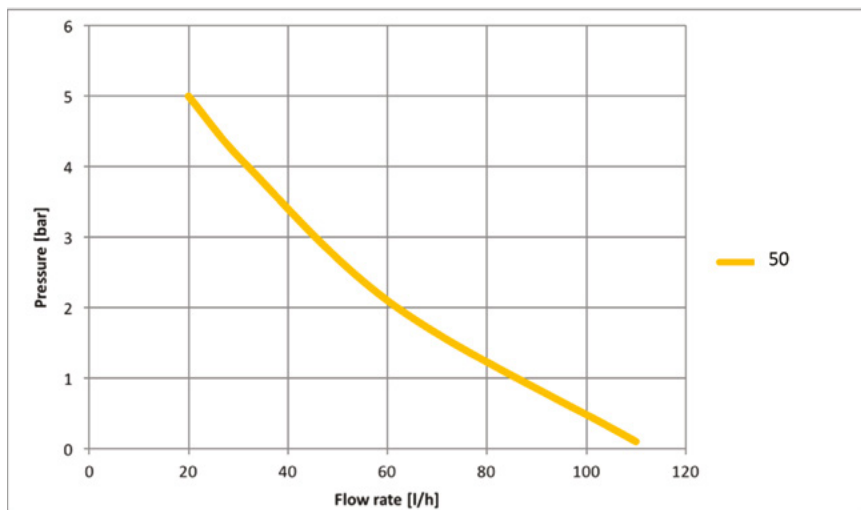
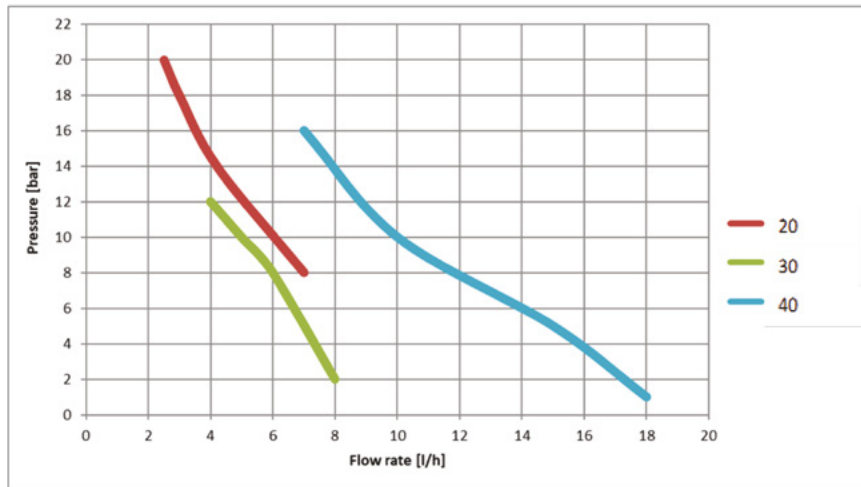
### Features

- pH proportional dosing
- ORP proportional dosing
- Alarm relay
- 4 ÷ 20 mA output
- Input On\_Off (remote control)
- Flow rates: 2.5 to 110 l/h
- Maximum backpressure: up to 20 bar
- Power supply: 100÷240 Vac - 50/60 Hz
- Stroke rate: 120 to 300 strokes/minute
- Pump head: PVDF
- Diaphragm: PTFE
- External enclosure: PP reinforced with IP65-rated fibreglass
- Manual priming valve
- External connectors for all signal inputs
- Installation kit included

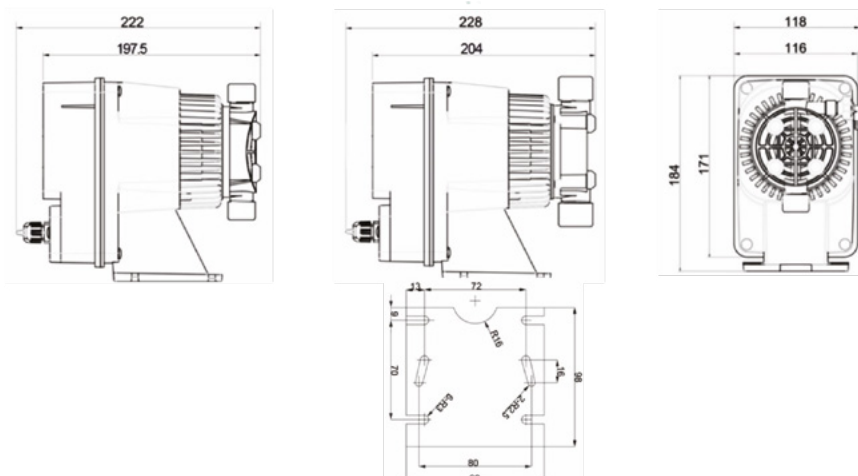
### Applications

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

## YR Series performance curves



## YR Series overall dimensional drawing





# Y Series key code



## Model

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50	10	10	0,55	300	8 / 10
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	4	32	1,78		
	2	62	3,44		
50	0,1	110	6,11		

### Power supply

N 100±240 Vac 50/60 Hz

### Liquid end Body

H PVDF Standard

A PVDF - automatic degassing not for hydraulic 50

I SS316L

### Installation kit Body

H PVDF Standard

X with 1.5 bar injection valve

0 WITHOUT kit only with liquid end "I"

### Seals

0 FKM-B

1 EPDM

2 PTFE

3 FFKM Installation kit with PTFE seals (not for Hydraulic 50)

### Market

0

### Customisation

N

### Optional

0 standard

M Modbus not for YL

YL	30	N	H	H	0	0	N	0
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