

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 $100 \div 240 \text{ Vac} - 50/60 \text{ Hz}$, 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

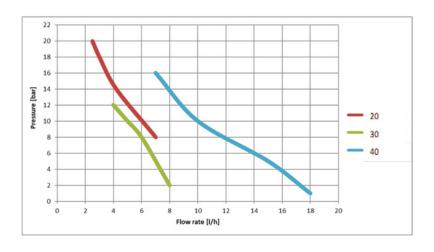
- Flow rates: 2.5 110 l/h
- Max. backpressure: up to 20 bar
- Power supply: 100÷240 Vac 50/60 Hz
- Stroke rate: 120 300 strokes/minute
- Pump head: PVDF
- Diaphragm: PTFE
- External enclosure: PP reinforced with IP65-rated fibreglass
- Manual priming valve
- Installation kit included

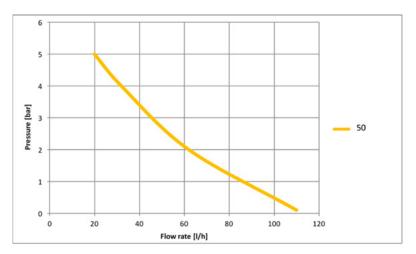
Applications

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

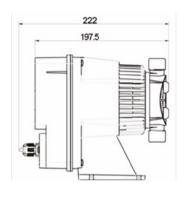


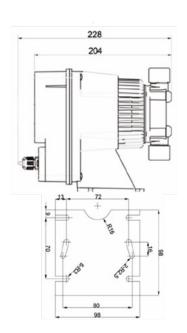
YG Series performance curves

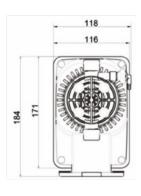




YG Series overall dimensional drawing







Technical data may be changed without notice.

Y Series key code



YL	Digital interfac	e - Constant flow	rate manually adj	justable. Level co	ntrol input.							
/G	Digital interfac Timer function	e - Constant flow in, ppm proportiona	rate, manually ac	ljustable. Proport	ional flow rate a ut ON-OFF (ren	according to an extern	nal analogue (4-20 r protocol availablel	nA) or digital signal	(water meter, 1:n or r			
ΥR	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]		pacity 'stroke]	Frequency [stroke/1']	Ø Hydr Connections IN / EXT.[mm]					
		20	2.5	().35							
		18	3	().42							
	20	14	4.2	().58	120	4/6					
		8	7	().97							
	30	12	4	().42							
		10	5	().52							
		8	6	().63	160	4/6					
		2	8	().83							
		16	7	().38							
		10	10	().55							
	40	5	15	().83	300	4/6					
		1	18		1.00							
		5	20		 I.11							
		4	32		1.78							
	50	2	62		3.44	300	8 / 10					
		0.1	110		5.11							
		Power supply										
		N	100÷240 Vac 5	50/60 Hz								
			Liquid end		Body							
			Н		VDF				Standa			
									not fo			
			Α	PVDF - autor	matic degassing				hydrauli			
			1	SS	316L							
				Installation kit								
				Н		PVDF			Standa			
				X	with 1.5	bar injection valve						
				0	W	THOUT kit			only w liquid en			
					Seals							
					0	FKM-B						
					1	EPDM						
					2	PTFE						
					3	FFKM			n kit with PTFE seals or Hydraulic 50)			
						Market						
						0						
							Customisation					
							N					
								Optional				
	l l						1					
								0	standa			



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 $100 \div 240 \text{ Vac} - 50/60 \text{ Hz}$, 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

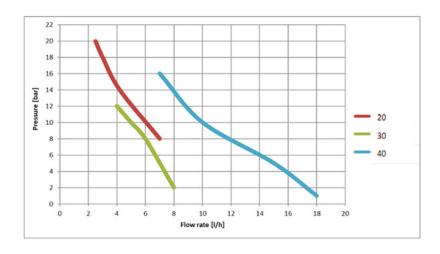
- Flow rates: 2.5 100 l/h
- Max. backpressure: up to 20 bar
- Power supply: 100÷240 Vac 50/60 Hz
- Stroke rate: 120 300 strokes/minute
- Pump head: PVDF
- Diaphragm: PTFE
- External enclosure: PP reinforced with IP65-rated fibreglass
- Manual priming valve
- External connectors for all signal inputs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

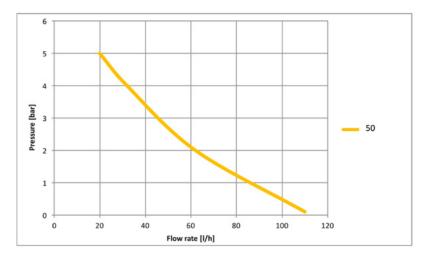
Applications

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

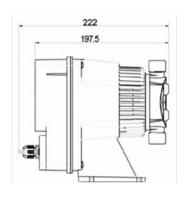


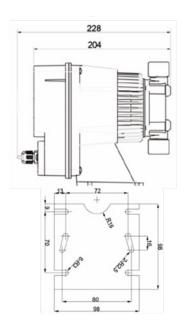
YL Series performance curves

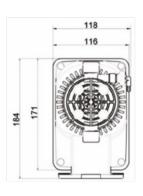




YL Series overall dimensional drawing







Technical data may be changed without notice.

Y Series key code



ΥL				ustable. Level contro						
/G						cording to an extern te control). Modbus			gnal (water met	er, 1:n or n
/R						ording the measured tput for measure tra				al
	Hydraulics	Pressure [bar]	Flow rate [l/h]	Capac [cc/stro		Frequency [stroke/1']	Ø Hydr Connections IN / EXT.[mm]			
		20	2.5	0.35	5		# 1 7 D(1.[i1#1]			
		18	3	0.42	0.42		4/6			
	20	14	4.2	0.58						
		8	7	0.97	7	_				
		12	4	0.42	2					
	30	10 5		0.52	2	_				
		8	6	0.63	3	- 160	4/6			
		2	8	0.80	3	_				
		16	7	0.38	8					
		10	10	0.55	5					
	40	5	15	0.83	3	- 300	4/6			
		1	18	1.00	0	_				
		5	20	1.11	1					
		4	32	1.78						
	50	2	62	3.44	4	- 300	8 / 10			
		0.1	110	6.11						
		Power supply N	100÷240 Vac 5	0/60 Hz						
		Power supply	100÷240 Vac 5	0/60 Hz Bod	ły					Chande
		Power supply	100÷240 Vac 5 Liquid end H	0/60 Hz Bod PVD	ly DF					
		Power supply	100÷240 Vac 5	0/60 Hz Bod	ly DF					not fo
		Power supply	100÷240 Vac 5 Liquid end H	0/60 Hz Bod PVD	by DF tic degassing					not fo
		Power supply	100÷240 Vac 5 Liquid end H A	0/60 Hz Bod PVD PVDF - automat	by DF tic degassing 6L	Body				not fo
		Power supply	100÷240 Vac 5 Liquid end H A	0/60 Hz Bod PVD PVDF - automat SS31	by DF tic degassing 6L	Body				not fo
		Power supply	100÷240 Vac 5 Liquid end H A	0/60 Hz Bod PVD PVDF - automat SS31 Installation kit	ly F tic degassing 6L					not fo hydrauli Standa
		Power supply	100÷240 Vac 5 Liquid end H A	0/60 Hz Bod PVD PVDF - automat SS31 Installation kit H	by DF tic degassing 6L with 1.5 ba	PVDF				not for hydraulii Standa
		Power supply	100÷240 Vac 5 Liquid end H A	0/60 Hz Bod PVD PVDF - automat SS31 Installation kit H X 0	by DF tic degassing 6L with 1.5 ba	PVDF ar injection valve				not for hydraulii Standa
		Power supply	100÷240 Vac 5 Liquid end H A	0/60 Hz Bod PVD PVDF - automat SS31 Installation kit H X 0	by tic degassing 6L with 1.5 ba	PVDF ar injection valve				not for hydraulii Standa
		Power supply	100÷240 Vac 5 Liquid end H A	0/60 Hz Bod PVD PVDF - automat SS31 Installation kit H X 0	by op of the degassing of the with 1.5 ba with Seals	PVDF ar injection valve HOUT kit				not for hydraulid
		Power supply	100÷240 Vac 5 Liquid end H A	0/60 Hz Bod PVD PVDF - automat SS31 Installation kit H X 0	by Difference of the state of	PVDF ar injection valve HOUT kit FKM-B				not for hydraulid
		Power supply	100÷240 Vac 5 Liquid end H A	0/60 Hz Bod PVD PVDF - automat SS31 Installation kit H X 0	by DF tic degassing 6L With 1.5 ba WIT Seals 0 1	PVDF ar injection valve HOUT kit FKM-B EPDM			ation kit with PT	not fo hydraulii Standa only w liquid en
		Power supply	100÷240 Vac 5 Liquid end H A	0/60 Hz Bod PVD PVDF - automat SS31 Installation kit H X 0	by op F tic degassing 6L with 1.5 ba WIT Seals 0 1 2	PVDF ar injection valve HOUT kit FKM-B EPDM PTFE				not fo hydraulii Standa only w liquid en
		Power supply	100÷240 Vac 5 Liquid end H A	0/60 Hz Bod PVD PVDF - automat SS31 Installation kit H X 0	by op F tic degassing 6L with 1.5 ba WIT Seals 0 1 2	PVDF ar injection valve HOUT kit FKM-B EPDM PTFE FFKM				not fo hydraulii Standa only w liquid en
		Power supply	100÷240 Vac 5 Liquid end H A	0/60 Hz Bod PVD PVDF - automat SS31 Installation kit H X 0	by op F tic degassing 6L with 1.5 ba WIT Seals 0 1 2	PVDF ar injection valve HOUT kit FKM-B EPDM PTFE FFKM Market	Customisation			not fo hydraulii Standa only w liquid en
		Power supply	100÷240 Vac 5 Liquid end H A	0/60 Hz Bod PVD PVDF - automat SS31 Installation kit H X 0	by op F tic degassing 6L with 1.5 ba WIT Seals 0 1 2	PVDF ar injection valve HOUT kit FKM-B EPDM PTFE FFKM Market	Customisation N	(n		not for hydrauli Standa Standa only will iquid en
		Power supply	100÷240 Vac 5 Liquid end H A	0/60 Hz Bod PVD PVDF - automat SS31 Installation kit H X 0	by op F tic degassing 6L with 1.5 ba WIT Seals 0 1 2	PVDF ar injection valve HOUT kit FKM-B EPDM PTFE FFKM Market		(n Optional		not for hydraulid Standa Standa only will iquid en
		Power supply	100÷240 Vac 5 Liquid end H A	0/60 Hz Bod PVD PVDF - automat SS31 Installation kit H X 0	by op F tic degassing 6L with 1.5 ba WIT Seals 0 1 2	PVDF ar injection valve HOUT kit FKM-B EPDM PTFE FFKM Market		Optional 0	ot for Hydraulio	not fo hydraulid Standa only w liquid en
		Power supply	100÷240 Vac 5 Liquid end H A	0/60 Hz Bod PVD PVDF - automat SS31 Installation kit H X 0	by op F tic degassing 6L with 1.5 ba WIT Seals 0 1 2	PVDF ar injection valve HOUT kit FKM-B EPDM PTFE FFKM Market		(n Optional		



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

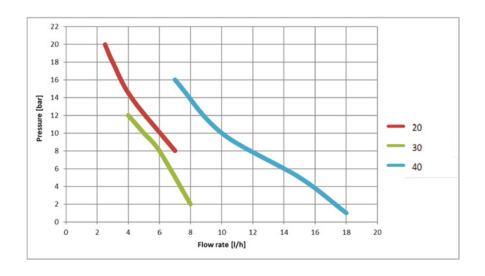
- pH proportional dosing
- ORP proportional dosing
- Alarm relay
 - 4 ÷20 mA output
- Input On_Off (remote control)
- Flow rates: 2.5 to 110 l/h
- Maximum backpressure: up to 20 bar
- Power supply: 100÷240 Vac 50/60 Hz
- Stroke rate: 120 to 300 strokes/minute
- Pump head: PVDF
- Diaphragm: PTFE
- External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

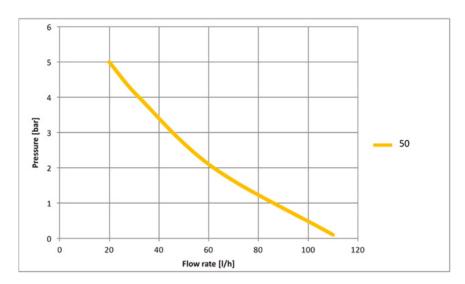
Applications

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

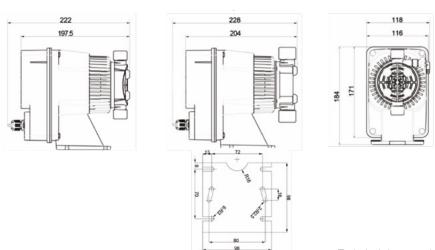


YR Series performance curves





YR Series overall dimensional drawing



Technical data may be changed without notice.

Y Series key code



YL	Digital interface	e - Constant flow	rate manually adj	ustable. Level control i	input.					
YG	Digital interface	e - Constant flow	rate, manually ad	ljustable. Proportional	flow rate acc	ording to an extern	al analogue (4-20 m	nA) or digital siç	gnal (water met	er, 1:n or n:
YR	Digital interface	e - Constant flow	rate, manually ad	ljustable. Proportional	dosing accor	ding the measured	pH or redox value.	PT100 probe i		al
	Hydraulics	Pressure [bar]	Flow rate [l/h]	Capacity [cc/strok	у	Frequency [stroke/1']	Ø Hydr Connections	o with Modela	protogoi.	
					c j	[Stioke/1]	IN / EXT.[mm]			
		20	2.5	0.35		-				
	20	18	3	0.42		- 120	4/6			
		8	4.2 7	0.58		=				
		12	4	0.97						
		10	5	0.42		_				
	30	8	6	0.63		160	4/6			
		2	8	0.83		-				
		16	7	0.38						
		10	10	0.55		=				
	40	5	15	0.83		- 300	4/6			
		1	18	1.00		_				
		5	20	1.11						
		4	32	1.78		_				
	50	2	62	3.44		- 300	8 / 10			
		0.1	110	6.11		=				
			Liquid end	Body						
			н	PVDF						Standa
			А А	PVDF - automatic	degassing					not fo
										not fo
			A	PVDF - automatic	-	dody				not fo
			A	PVDF - automatic SS316L	E	ody VDF				not fo hydraulid
			A	PVDF - automatic SS316L Installation kit	- E P					not fo hydraulid
			A	PVDF - automatic SS316L Installation kit	P with 1.5 bar	VDF				not fo hydraulid Standa
			A	PVDF - automatic SS316L Installation kit H X	P with 1.5 bar	VDF injection valve				not for hydraulid
			A	PVDF - automatic SS316L Installation kit H X	E P with 1.5 bar	VDF injection valve				not for hydraulid
			A	PVDF - automatic SS316L Installation kit H X	with 1.5 bar WITH	VDF injection valve IOUT kit FKM-B EPDM				not fo hydraulid Standa
			A	PVDF - automatic SS316L Installation kit H X	with 1.5 bar WITH	VDF injection valve fOUT kit FKM-B				not fo hydraulid Standa only wi liquid en
			A	PVDF - automatic SS316L Installation kit H X	with 1.5 bar WITH	VDF injection valve IOUT kit FKM-B EPDM			ation kit with P	not for hydraulid Standa
			A	PVDF - automatic SS316L Installation kit H X	with 1.5 bar WITH	VDF injection valve HOUT kit FKM-B EPDM PTFE				not for hydraulid Standa
			A	PVDF - automatic SS316L Installation kit H X	with 1.5 bar WITH	VDF injection valve IOUT kit FKM-B EPDM PTFE FFKM				not for hydraulid Standa
			A	PVDF - automatic SS316L Installation kit H X	with 1.5 bar WITH	VDF injection valve HOUT kit FKM-B EPDM PTFE FFKM Market	Customisation			not for hydraulid Standa
			A	PVDF - automatic SS316L Installation kit H X	with 1.5 bar WITH	VDF injection valve HOUT kit FKM-B EPDM PTFE FFKM Market	Customisation N	(r		not for hydraulid Standa
			A	PVDF - automatic SS316L Installation kit H X	with 1.5 bar WITH	VDF injection valve HOUT kit FKM-B EPDM PTFE FFKM Market		(r Optional		not fo hydraulic
			A	PVDF - automatic SS316L Installation kit H X	with 1.5 bar WITH	VDF injection valve HOUT kit FKM-B EPDM PTFE FFKM Market		Optional	oot for Hydrauli	not fo hydraulici Standa only wi liquid end
			A	PVDF - automatic SS316L Installation kit H X	with 1.5 bar WITH	VDF injection valve HOUT kit FKM-B EPDM PTFE FFKM Market		(r Optional		