

### TG Series Datasheet

# SOLENOID-DRIVEN PUMP WITH MECHANICAL STROKE-LENGTH REGULATION

#### **General Information**

Mytho's TG 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 TG 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  $100 \div 240$  Vac -50/60 Hz, therefore the same pump can operate with different supply voltage.

The TG 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**

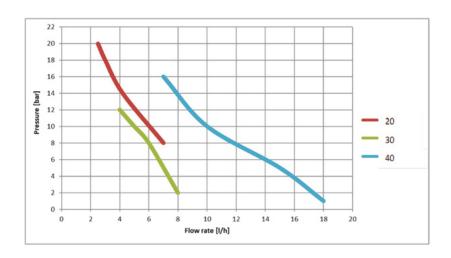
- Flow rates: 2.5 110 l/h
- Max. backpressure: up to 20 bar
- Power supply: 100÷240 Vac 50/60 Hz
- Stroke rate: 120 300 strokes/minute
- Manual stroke length adjustment
- Pump head: PVDF
- Diaphragm: PTFE
- External enclosure: PP reinforced with IP65-rated fibreglass
- Manual priming valve
- Installation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

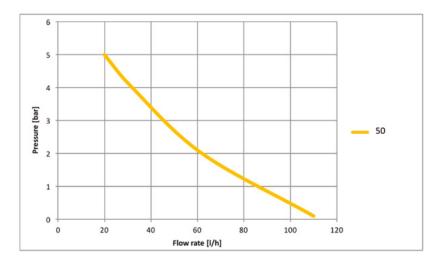
### **Applications**

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

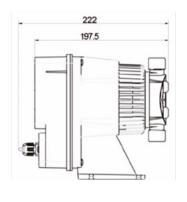


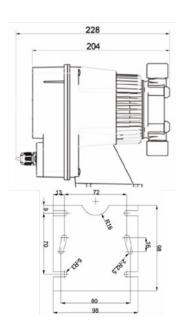
### TG Series performance curves

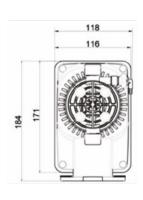




## TG Series overall dimensional drawing







Technical data may be changed without notice.



## T Series key code

A				regulation.	with stroke lengt	ljustable. Available	rate manually ad	- Constant flow r	Digital interface	L	
Hydraulico	Digital interface - Constant flow rate, manually adjustable. Available with stroke length regulation. Proportional flow rate according to an external analogue (4-20 digital signal (water meter, 1:n or n:1). Timer function, ppm proportional dosing. Statistics. Password Input ON-OFF (remote control). Available with Modbus pro										
20			Ø Hydr Connections	Frequency	pacity	Cap	Flow rate	Pressure			
14					.35	0.	2.5	20			
14				-	.42	0.	3	18			
12			4/6	120	.58	0.	4.2	14	20		
10   5   0.52   160   4/6				-	.97	0.	7	8			
8				_	.42	0.	4	12			
B   6   0.63   2   8   0.83   16   7   0.38   10   10   10   0.55   5   15   0.83   1   18   1.00   5   20   1.11   4   32   1.78   2   62   3.44   0.1   110   6.11   5   6   6   7   7   7   7   7   7   7   7			4/6	- 160	.52	0.	5	10	30		
16			470	-	.63	0.	6	8			
10					.83	0.	8	2			
1				-	.38	0.	7	16			
1			4/6	- 300					40		
5   20   1.11   4   32   1.78   300   8 / 10				-							
A   32   1.78   300   8/10											
2   62   3.44   300   8/10				-							
0.1   110   6.11			8/10	<del>-</del> 300					50		
N				-							
N					.11	6.	110				
Liquid end   Body     H						50/60 H-	100.040\/a-				
H					ody -						
A	Stan										
Installation kit   Body	not				1						
Installation kit   Body	hydrai										
H				odv —			<u> </u>				
X	Stan										
O WITHOUT kit	not										
Seals	hydrau only wi										
0         FKM-B           1         EPDM           2         PTFE           3         FFKM         Installation kit w (not for Hyre)           Market         0           Customisation         N	uid E			OUT kit		0					
1         EPDM           2         PTFE           3         FFKM         Installation kit w (not for Hy)           Market         0           Customisation         N											
2   PTFE											
3 FFKM Installation kit w (not for Hy)  Market  0  Customisation  N				-							
Market  O  Customisation  N				PTFE							
O Customisation N		Installation kit with F (not for Hydrau		FFKM	3						
Customisation  N				Market							
N N				0							
			Customisation								
Optional			N								
, , , , , , , , , , , , , , , , , , ,											
	San	0									



### TL Series Datasheet

# SOLENOID-DRIVEN PUMP WITH MECHANICAL STROKE-LENGTH REGULATION

#### **General Information**

Mytho's Hyperion TL Series is a digital dosing pump with constant flow rate, which is manually adjustable by a keyboard (frequency) mounted on the rear panel.

With four models in the range, the TL 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  $100 \div 240$  Vac -50/60 Hz, therefore the same pump can operate with different supply voltage.

The TL 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**

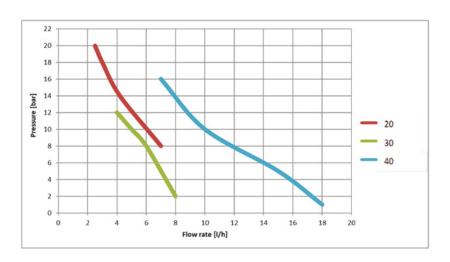
- Flow rates: 2.5 110 l/h
- Max. backpressure: up to 20 bar
- Power supply: 100÷240 Vac 50/60 Hz
- Stroke rate: 120 300 strokes/minute
- Manual stroke length adjustment
- Pump head: PVDF
- Diaphragm: PTFE
- External enclosure: PP reinforced with IP65-rated fibreglass
- Manual priming valve
- Installation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

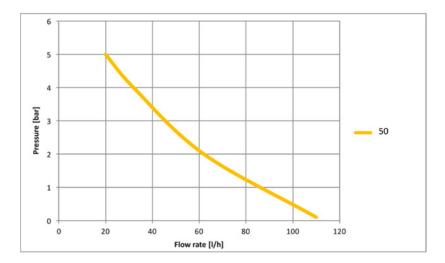
### **Applications**

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

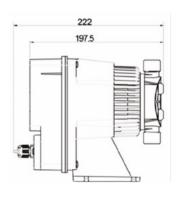


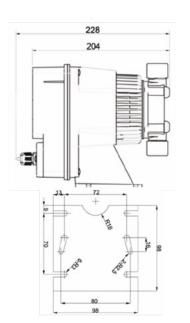
### TL Series performance curves





## TL Series overall dimensional drawing







Technical data may be changed without notice.



## T Series key code

	Digital interface	e - Constant flow	rate manually adj	ustable. Available with	stroke length	regulation.			
à				ljustable. Available with					
	Hydraulics	Pressure [bar]	Flow rate [l/h]	Capacity [cc/strok		Frequency [stroke/1']	Ø Hydr Connections IN / EXT.[mm]		
		20	2.5	0.35					
		18	3	0.42		-			
	20	14	4.2	0.58		120	4/6		
		8	7	0.97		-			
		12	4	0.42					
	30	10	5	0.52		160	4/6		
		8	6	0.63					
		2	8	0.83					
		16	7	0.38					
	40	10	10	0.55		300	4/6		
		5	15	0.83					
		1	18	1.00					
		5	20	1.11		-			
	50	4	32	1.78		300	8/10		
		2	62	3.44					
		0.1	110	6.11					
		Power supply							
		N	100÷240 Vac 5	50/60 Hz					
			Liquid end	Body					_
			Н	PVDF					Star
			Α	PVDF - automatic	degassing				no hydra
			1	SS316L	-				
				Installation kit	В	ody			
				Н	P\	/DF			Star
				X	with 1.5 bar	injection valve			no hydra
				0	WITH	OUT kit			only w uid E
				Se	eals	F1.0.1			
				-	0	FKM-B			
				_	1	EPDM			
				_	3	PTFE FFKM			on kit with PTFE seal
				-		Market		(not	for Hydraulic 50)
						0			
							Customisation		
							Customisation N		
								Optional	
								Optional 0	San