

MYTHO

General Catalogue



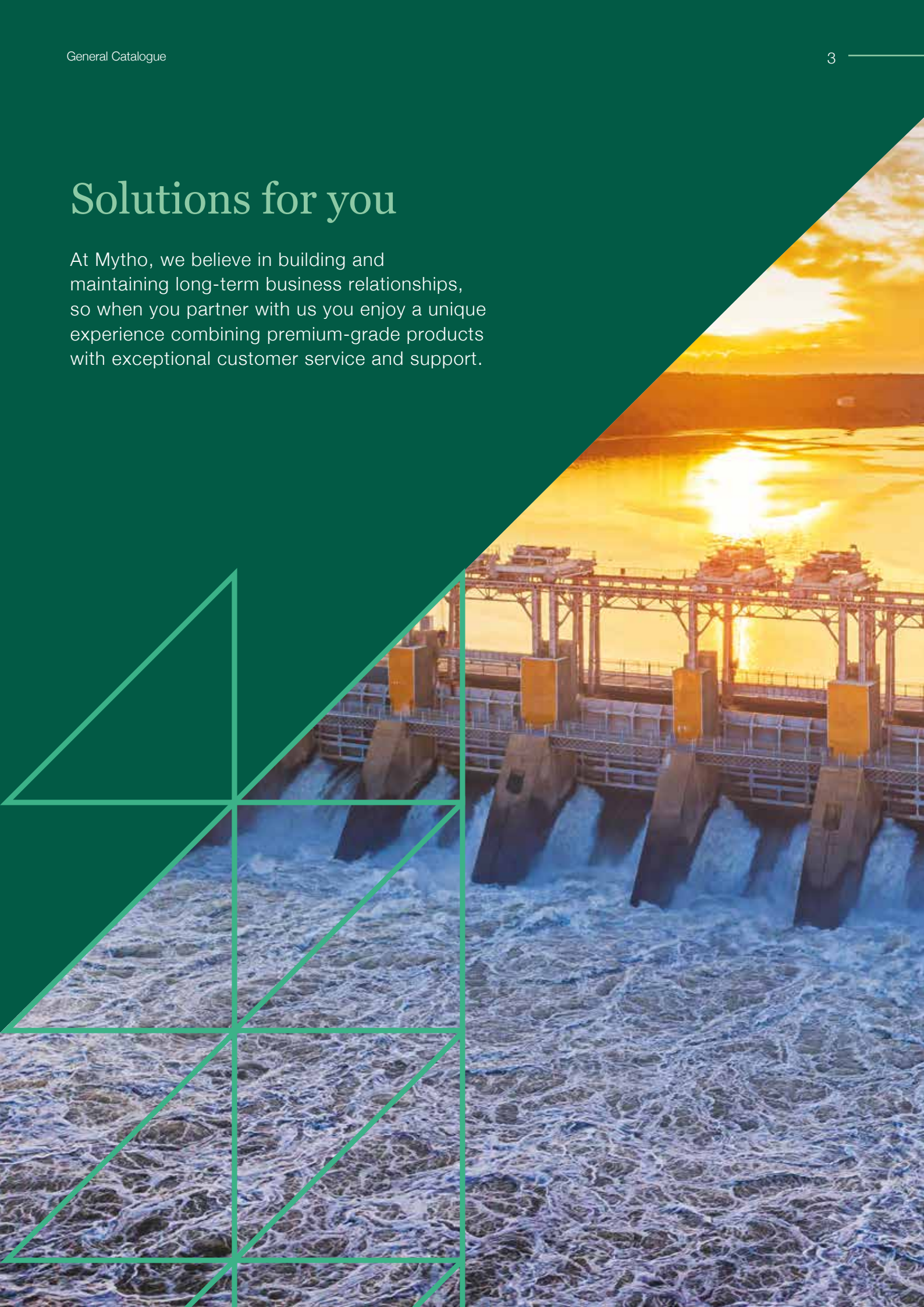
Contents

Introducing Mytho	4
IrisLink	8
Hyperion Series	
Solenoid-Driven Dosing Pumps	12
M Series	
Y Series	
T Series	
H Series	
O Series	
Titan Series	
Motor-Driven Dosing Pumps	30
D Series	
R Series	
V Series	
N Series	
Pump Accessories	54



Solutions for you

At Mytho, we believe in building and maintaining long-term business relationships, so when you partner with us you enjoy a unique experience combining premium-grade products with exceptional customer service and support.



Introducing Myhto

Myhto was born in 2011, when a team of highly skilled, experienced water-treatment professionals came together with a brief to design, manufacture and distribute high-performance metering pumps and chemical analysis systems for a global market.

Myhto began life as a supplier to renowned OEMs and private labels keen to offer their customers the industry's finest metering pumps. In 2020, Myhto took its products to a wider market, enabling the entire water treatment and industrial sectors to benefit from these superior systems.

Our Vision

To be your partner of choice for dosing solutions, globally.

Our Values

Mutual respect – We work alongside you, the customer at every stage as part of a trusting business relationship.

Quality – Operating to the highest standards in every element of our operations, from design and development to production and delivery.

Spirit of collaboration – A non-hierarchical structure means every equally valued member of the Myhto family works together to deliver world-class solutions.

Research & development

Myhto's R&D operation is so refined that we have struck the perfect balance between cost and reliability, using only premium components yet delivering an affordable solution.

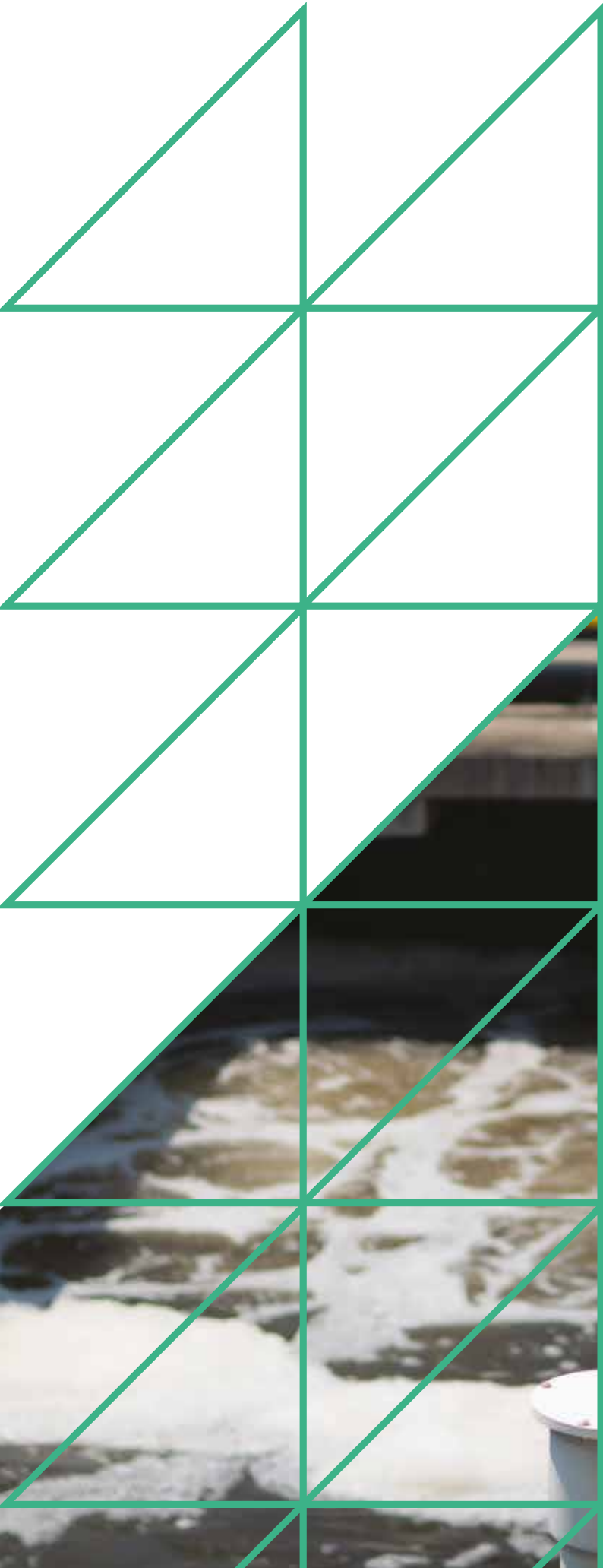
Optional enhancements

We've created a range of optional accessories to complement and enhance your pump, such as atomisers, instrumentation, custom connections and heating systems.

Solutions for the toughest environments

Myhto manufactures high-end dosing systems capable of coping with any operating environment including extreme pressures and flow rates, adverse temperatures, marine locations and explosive environments (ATEX).





All Myhto products share a set of key characteristics that make them the systems of choice for discerning operators the world over.

Consistency

Superior system design delivers exceptionally stable dosing for repeatable results in even the most complex processes

Longevity

The use of premium components ensures that Myhto systems achieve high performance and extensive service life with reduced maintenance requirement

Simplicity

While Myhto pumps house complex cutting-edge technology, we ensure that using them is a breeze with intuitive interfaces that make operation clear and simple

Reliability

Robust, durable systems that are built to last and won't let you down no matter how demanding your application

Applications



Water Treatment



Industrial Processes



Livestock Farming



Fertigation



Car Wash



Swimming Pool & Spa



Pulp & Paper



Chemical Industry



Drinking Water



Hospitals



Cooling Towers



Food & Beverage



Textiles



Metal & Mining





IrisLink

Smart remote connectivity
for dosing pump monitoring.



Cloud connection



Wi-Fi connection



Mytho Connectivity Platform

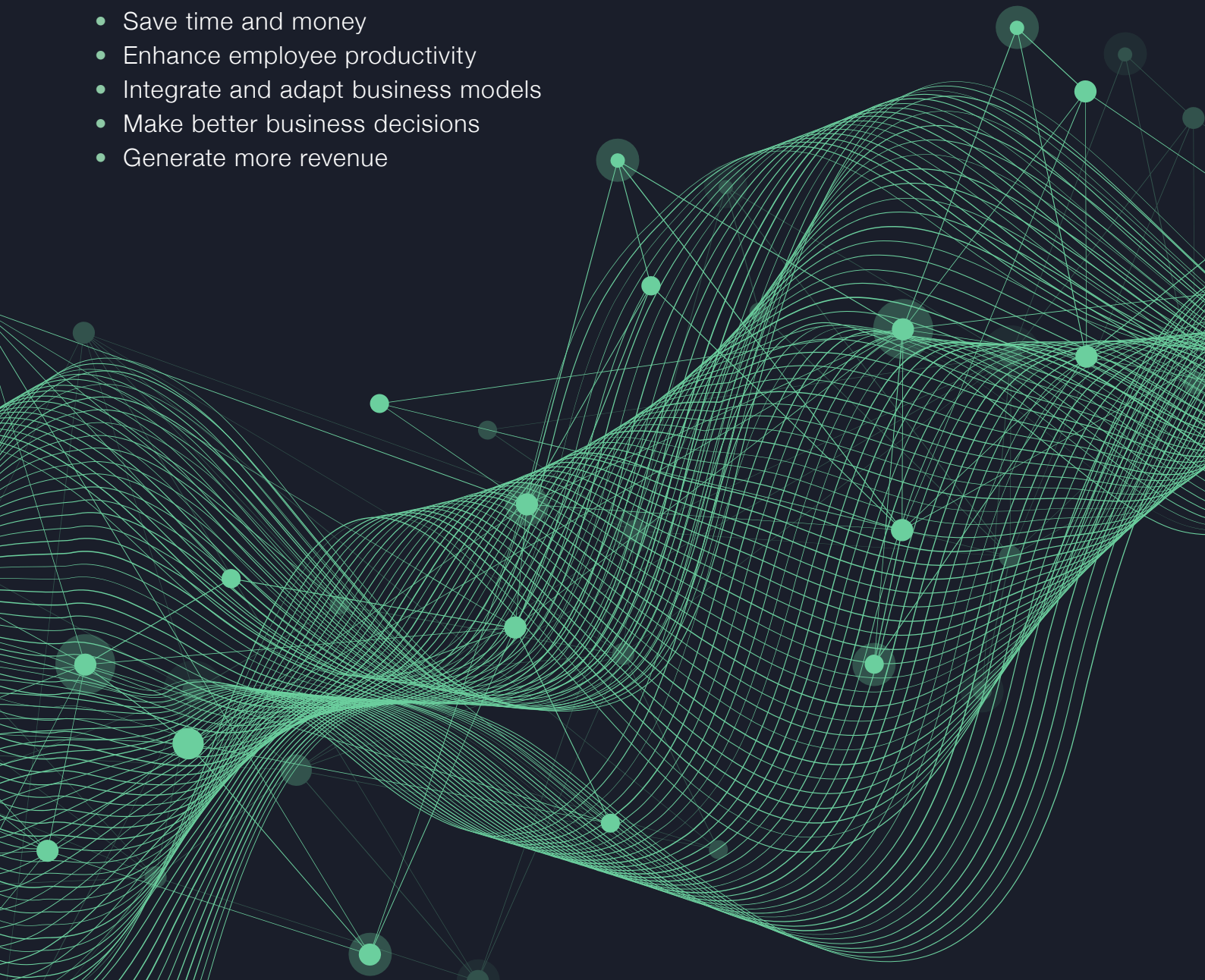
In today's connected world, customers expect to manage their equipment remotely, using the Internet of Things to access operational information via smart device or computer at their convenience. Whether viewing data in real time or analysing it historically, remote connectivity allows costs to be optimised and downtime reduced through targeted maintenance.

MythoLink

With the dedicated MythoLink online platform, Mytho users can connect to their equipment like never before. Whether at work, at home or on the move, operators can access their systems across multiple locations worldwide in an instant from a single intuitive platform.

Mytho's IoT-enabled systems allow users to:

- Monitor their overall business processes
- Improve customer experience
- Save time and money
- Enhance employee productivity
- Integrate and adapt business models
- Make better business decisions
- Generate more revenue



IrisLink



The IrisLink system is a dedicated unit that connects to all web-accessible Myths devices fitted with Modbus serial ports, creating a vital link between the equipment and Wi-Fi for internet access.

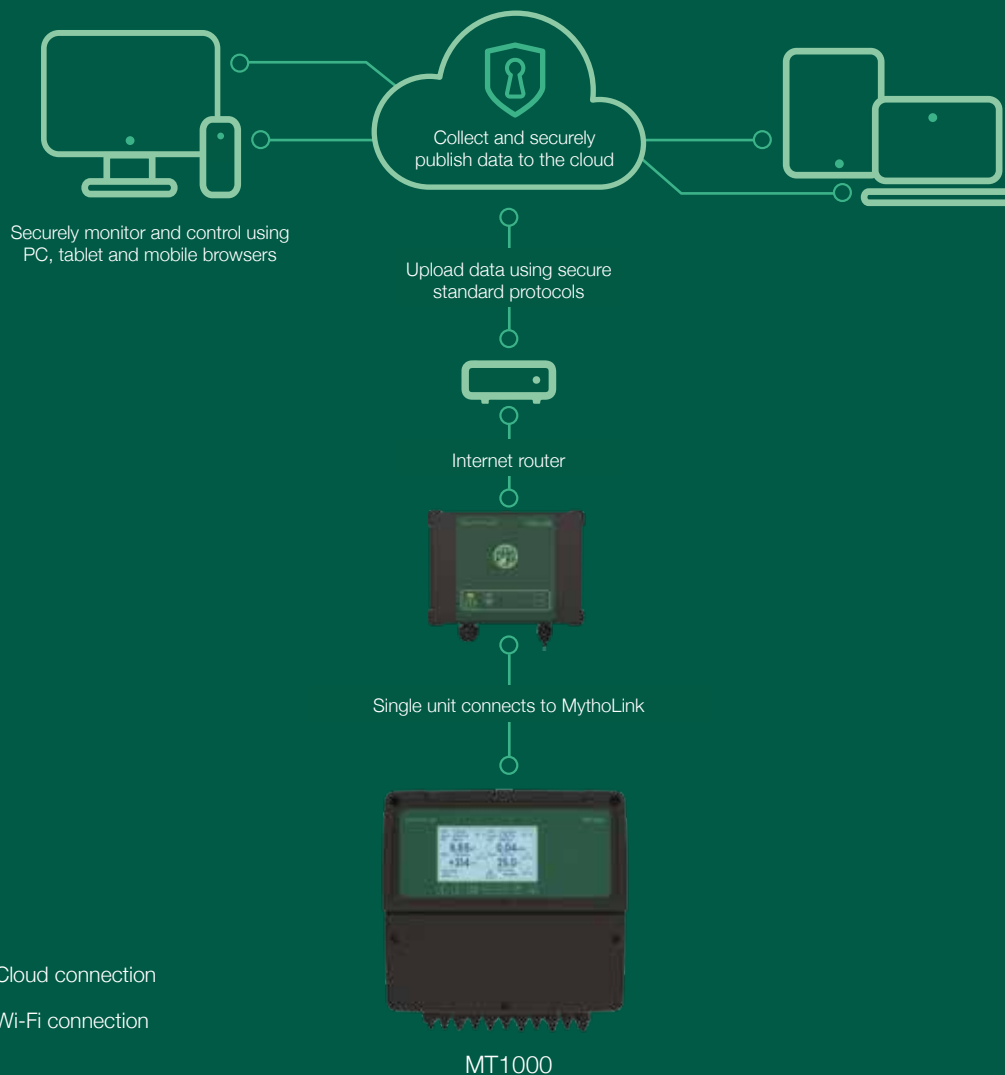
IrisLink is compatible with both the MythsLink online portal and once installed and calibrated can be accessed by any authorised user.

IrisLink can be quickly and easily connected to the MythsLink platform by scanning a QR code, while an intuitive wizard installation system makes the process fast, simple and hassle-free. Once the product has been installed, users can locate it in the portal itself.

IP65 Enclosure

Dimensions 218 x 180.5 x 46 mm (LxHxD)

Material ABS



Hyperion Series



SOLENOID-DRIVEN DOSING PUMPS

Powerful microprocessor technology delivers precise, consistent and reliable chemical dosing for water-treatment systems and industrial processes where superior chemical compatibility is required.



M Series & H Series

WALL-MOUNTED SOLENOID DOSING PUMPS

The multi-model M Series and H Series pumps deliver accurate, consistent chemical dosing for a wide range of applications, from basic requirements to complex high-end processes.

Built with premium-grade components, M Series and H Series pumps are the solution of choice for discerning operators responsible for potable and wastewater treatment processes, with Mytho's continuous refinement of these systems meaning they always meet up-to-date legislation.



APPLICATIONS

- Commercial swimming pools
- Cooling water treatment
- Food & beverage
- Industrial water treatment
- Potable water treatment
- Power generation
- Wastewater treatment



Features & benefits



Easy to fit

The installer-friendly bracket enables quick and simple wall mounting.



Premium seals

Available with special seals in FFKM or PTFE.



Quality and strength

Pump body comes in PVDF as standard.



Long-life diaphragm

PTFE diaphragm, guaranteed for 5 years.



Reliable seals

Standard seals in FKM-B or EPDM.



Robust and reliable

Durable design ensures extended service life.



Y Series & T Series

DIGITAL BASE-MOUNTED DOSING PUMPS

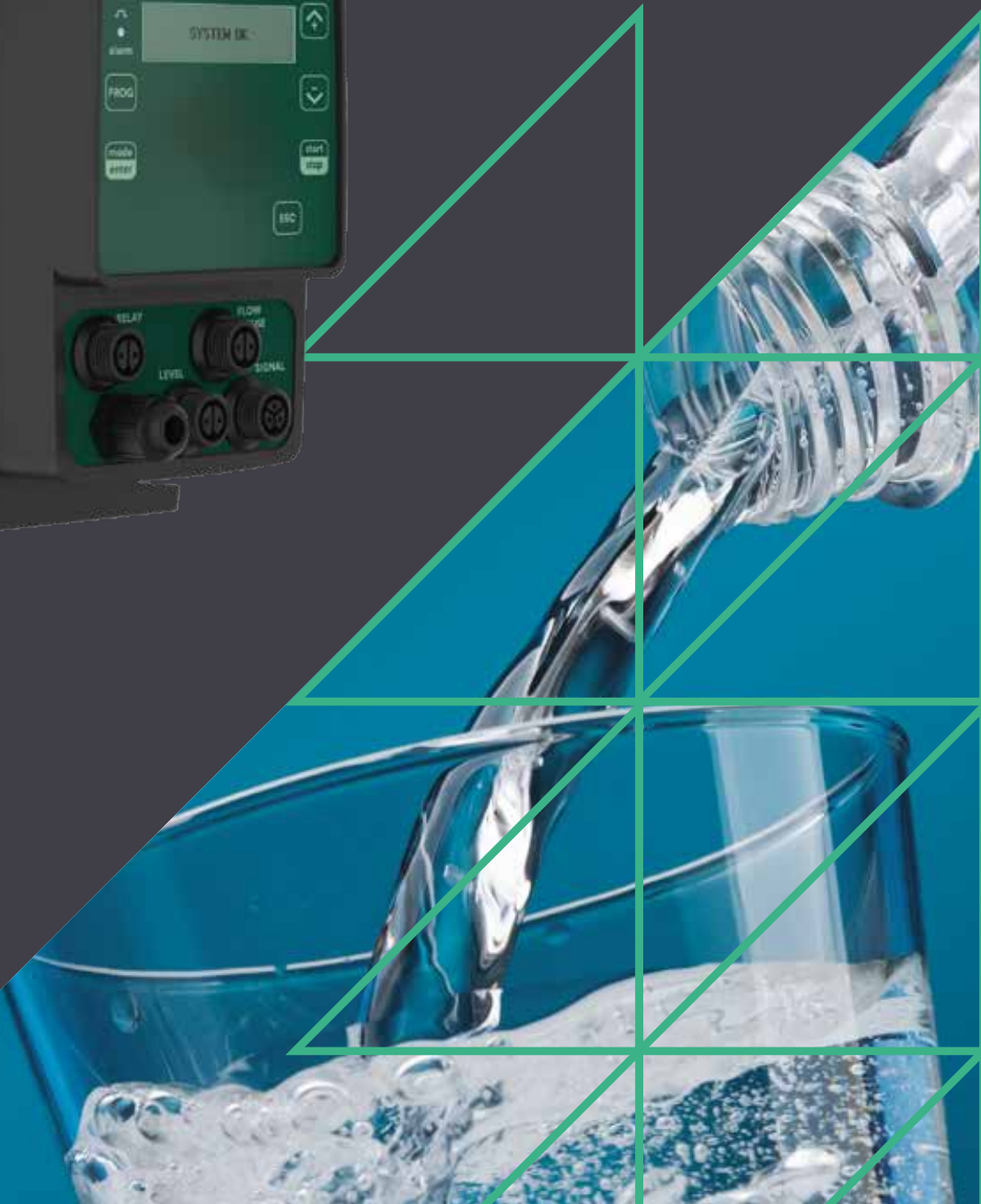
Mytho's Y Series and T Series pumps bring professional solenoid-driven dosing to a wide range of market applications, designed with specialist features that enhance precision and consistency even in challenging conditions.

These accurate, dependable pumps include level input on all models and standard seals in FKM-B or EPDM, with special seals available for each model.



APPLICATIONS

- Agricultural water treatment
- Food & beverage
- Industrial water treatment
- Potable water treatment
- Wastewater treatment
- Hydroponics
- Aquaculture
- Chemicals



Features & benefits



Chemical compatibility

PVDF pump head and delivery tubes and fittings plus ceramic ball valves provide pump longevity and compatibility with all principal water-treatment applications.



Reduced energy consumption

A stabilised multi power supply (100 - 240 Vac, 50/60 Hz) comes as standard, with its solenoid-driving algorithms, patented by Mytho, helping to reduce energy consumption.



Reliable and consistent

As well as protecting the pump itself and the environment, the driving algorithm compensates for power supply fluctuations, enabling precise and accurate dosing in any conditions.



Mechanical stroke adjustment available on T Series version



Ease of installation

Pumps can be installed with the casing closed and without special tools.



Electrical safety

All electrical connections are available externally on circular IP65 connectors.



Long-life diaphragm

PTFE diaphragm, guaranteed for 5 years.



Simplified cabling

Cable connectors have internal screw terminals, facilitating a clean and professional installation with cables pre-cut to the correct size.



M Series

COMPACT WALL-MOUNTED SOLENOID-DRIVEN DOSING PUMPS

The M Series is a range of reliable and compact solenoid-driven pumps, built to be wall mounted in water-treatment applications. These pumps have been created in response to the market's varying needs, and include analogue and digital models that meet the most common installation conditions.

- Flow rate range: 3 l/h @ 10bar; 5 l/h @ 8 bar
- Wetted parts: PVDF, PTFE, EPDM, FKM-B and ceramic
- Analogue and digital range with constant or proportional dosage

Features

- Pump body in PVDF
- Kit available in PVDF
- **MS:** Constant, with analogue interface (potentiometer)
- **MG:** Multifunction prop. (4-20mA/pulse), digital interface
- Available with special seals in FFKM
- M Series has been designed as a basic range of solenoid-driven pumps for less demanding applications without compromising on robustness and reliability.
- With M Series, Mytho has struck the perfect balance between using premium components that guarantee full chemical compatibility in multiple applications while ensuring affordability for the operator.
- To satisfy every installation need, the range offers five different models, for constant and proportional dosages; three with an analogue interface (potentiometer) and two with a digital interface (keyboard and 2x8 display).



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)							
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

Y Series

BASE-MOUNTED SOLENOID-DRIVEN DOSING PUMPS

The Y Series is a range of base-mounted digital solenoid-driven dosing pumps. These state-of-the-art systems bring reliability, dosing precision and ease of use to multiple water-treatment and industrial applications, offering a wide range of flow rates and superior chemical compatibility. Meanwhile, the T Series is available with a Modbus RTU RS485 suitable to connect with IrisLink for remote management via the MythoLink app and online portal.

- Flow rate range: 2.5 – 110 l/h, up to 20 bar
- Wetted parts: PVDF, PTFE, FFKM, EPDM, FKM-B and ceramic



Features

- YL: Constant dosing at the desired flow rate
- YG: Multifunction
- YR: Instrument-pump with pH/ORP input
- Available with special seals in PTFE or FFKM
- Available with Modbus RTU RS485 port
- The YL and YG models offer constant and multifunction dosing respectively
- An YR instrument-pump is also available, with an input for a pH/ORP probe. The YR and YG versions are also available with a Modbus communication port for integrating the pump into a more complex system, or with a Wi-Fi interface that allows the pump to be managed via MythoLink.

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						
	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	

T Series

SOLENOID-DRIVEN PUMPS WITH MECHANICAL STROKE-LENGTH REGULATION

The T Series is a range of base-mounted digital solenoid-driven dosing pumps with mechanical stroke-length regulation. These state-of-the-art systems bring reliability, dosing precision and ease of use to multiple water treatment and industrial applications, offering a wide range of flow rates and superior chemical compatibility. Meanwhile, the T Series is available with a Wi-Fi interface for remote management via the MythoLink online portal.

- Flow rate range: 2.5 – 110 l/h, up to 20 bar
- Wetted parts: PVDF, PTFE, FFKM, EPDM, FKM-B and ceramic



Features

- Mechanical stroke length regulation
- TL: Constant dosing at the desired flow rate
- TG: Multifunction:
 - 4-20mA analogue input
 - Frequency input
 - Remote ON / OFF input
 - Directly connectable to a water meter
 - Dosage in ppm
 - Functions 1: N, N: 1, 1: 1
 - Timed dosing
- T Series' unique features include a digital interface that allows programming via keyboard and display, while solenoid stroke adjustment can be performed with a mechanical knob for increased dosing precision.
- T Series is available in two models. The TL is a constant dosing pump with adjustable flow rate, while the TG is a multifunction pump that includes operating modes timed or proportional to an analogue 4-20mA signal, or to a digital signal such as that generated by a pulse-emitting water meter.
- T Series is also available with a Modbus interface, which allows the pump to be integrated into a more complex system in which other Modbus devices are already present. It's also available with a Wi-Fi interface.
 - Available with special seals in PTFE or FFKM
 - Available with Modbus RTU RS485 port
 - Connect via RS485 to IrisLink for:
 - Direct local connection to the pump for programming via internal webserver
 - Connection to a Wi-Fi network for remote management via the MythoLink app or online portal

T Series key code

Model									
TL Digital interface - Constant flow rate manually adjustable. Available with stroke length regulation.									
TG Digital interface - Constant flow rate, manually adjustable. Available with stroke length regulation. 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). 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						
	8	7	0.97						
30	12	4	0.42	160	4 / 6				
	10	5	0.52						
	8	6	0.63						
40	2	8	0.83	300	4 / 6				
	16	7	0.38						
	10	10	0.55						
50	5	15	0.83	300	8 / 10				
	1	18	1.00						
	5	20	1.11						
	4	32	1.78						
	2	62	3.44						
	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 not for hydraulic 50							
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							
YL	30	N	H	H	0	0	N	0	

H Series

WALL-MOUNTED SOLENOID-DRIVEN DOSING PUMPS

The ever-popular H Series is one of Mytho's best-selling pump Series, with these wall-mounted electromagnetic systems evolving over the years by drawing upon the feedback of thousands of users across the globe.

The series comprises multiple analogue and digital models that meet the needs of every installation and deliver reliable and effective solutions in multiple water-treatment processes.

- Flow rate range: 0.4 – 110 l/h, up to 20 bar
- Wetted parts: PVDF, SS316L, PTFE, FFKM, EPDM, FKM-B and ceramic
- Analogue and digital range with constant or proportional dosage



Features

- Pump body in PVDF
- Kit available in PVDF
- MythoLink compatible for 24/7 remote management
- HS: Constant, with analogue interface (potentiometer)
- HL: Constant with level, analogue interface
- HP: Proportional (4-20mA/pulse), analogue interface
- HG: Multifunction prop. (4-20mA/pulse), digital interface
- HR: Instrument-pump with pH/ORP input, digital interface
- HK: Weekly timed pump, digital interface
- The H Series delivers reduced energy consumption courtesy of a patented stabilised multi-range power supply (100 – 240 Vac, 50/60 Hz) which reacts to live working conditions to only draw the power required to activate the pump. The algorithm also compensates for power supply fluctuations to provide precise and accurate dosing in all conditions.

H Series key code

Model	
HS	Analogue interface - Constant flow rate, manually adjustable.
HL	Analogue interface - Constant flow rate, manually adjustable. Level control input.
HP	Analogue 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).
HG	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). Available with communication via Modbus protocol.
HK	Digital interface - Constant flow rate, manually adjustable. Timed dosing with a weekly programmable timer, programmable timed relay by activating a dry contact
HR	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 communication via Modbus protocol.

Hydraulics	Pressure [bar]	Flow rate [l/h]	Capacity [cc/stroke]	Frequency [stroke/1']	Ø Hydr Connections IN / EXT [mm]
10	20	0.4	0,06	120	4 / 7 discharge 4 / 6 suction
	16	0.8	0,11		
	10	1.2	0,17		
	6	1.5	0,21		
20	20	2.5	0,35	120	4 / 7 discharge 4 / 6 suction
	18	3	0,42		
	14	4.2	0,58		
	8	7	0,97		
30	12	4	0,42	160	4 / 6
	10	5	0,52		
	8	6	0,63		
	2	8	0,83		
40	16	7	0,38	300	4 / 6
	10	10	0,55		
	5	15	0,83		
	1	18	1,00		
50	5	20	1,11	300	8 / 12
	4	32	1,78		
	2	62	3,44		
	0,1	110	6,11		

Power supply

N	100÷240 Vac 50/60 Hz	
L	12Vdc	only HS and HG

Liquid end Body

H	PVDF	
A	PVDF - automatic degassing only for hydraulic 20 - 30 - 40	
I	SS316L	only for hydraulic 20 - 30 - 40

Installation kit Body

H	PVDF	Standard
X	with 1.5 bar injection valve	not for hydraulic 50
0	without kit	only with Liquid End "I"

Seals

0	FKM-B	
1	EPDM	
2	PTFE	Standard with Liquid End "I"
3	FFKM	Installation kit with PTFE seals (not for Hydraulic 50)

Market

0

Customisation

N

Optional

0		Standard
M	Modbus	only for HG and HR 30 and 40

HL 20 N H H 0 0 N 0

O Series

WALL-MOUNTED SOLENOID-DRIVEN DOSING PUMP

Mytho's O Series is a dedicated solenoid-driven chemical dosing pump that has been developed especially for use in potentially explosive atmospheres, making it suitable for operation in mining, quarrying and oil and gas processes among others.

Built with an ultra-resilient IP65-rated stainless-steel body, the O Series retains all the functionality of Mytho's solenoid-driven dosing range, including constant or proportional dosage functions and a digital interface.

- Flow rate range: 0.4 - 110 l/h
- Stroke rate: 120 - 300 strokes/minute
- Maximum backpressure: 20 bar

Features

- SS316L pump body as standard
- Kit available in PVDF or PVDF-T
- Patented algorithm for solenoid operation
- Models available with 24Vac and 12Vdc power supply
- Available with special seals in PTFE or FFKM
- The O Series has been designed to allow operators to benefit from Mytho's exceptional solenoid-driven dosing pump precision and consistency even in volatile environments exposed to explosion risk.
- This specialist model is rated for ATEX Zone 2 use, classified as a medium-risk environment with the presence of potentially explosive gases and vapours.




 CEII 3GD
 Ex ic nA IIB T4 Gc
 Ex tc III CT120°C Dc IP65

O Series key code

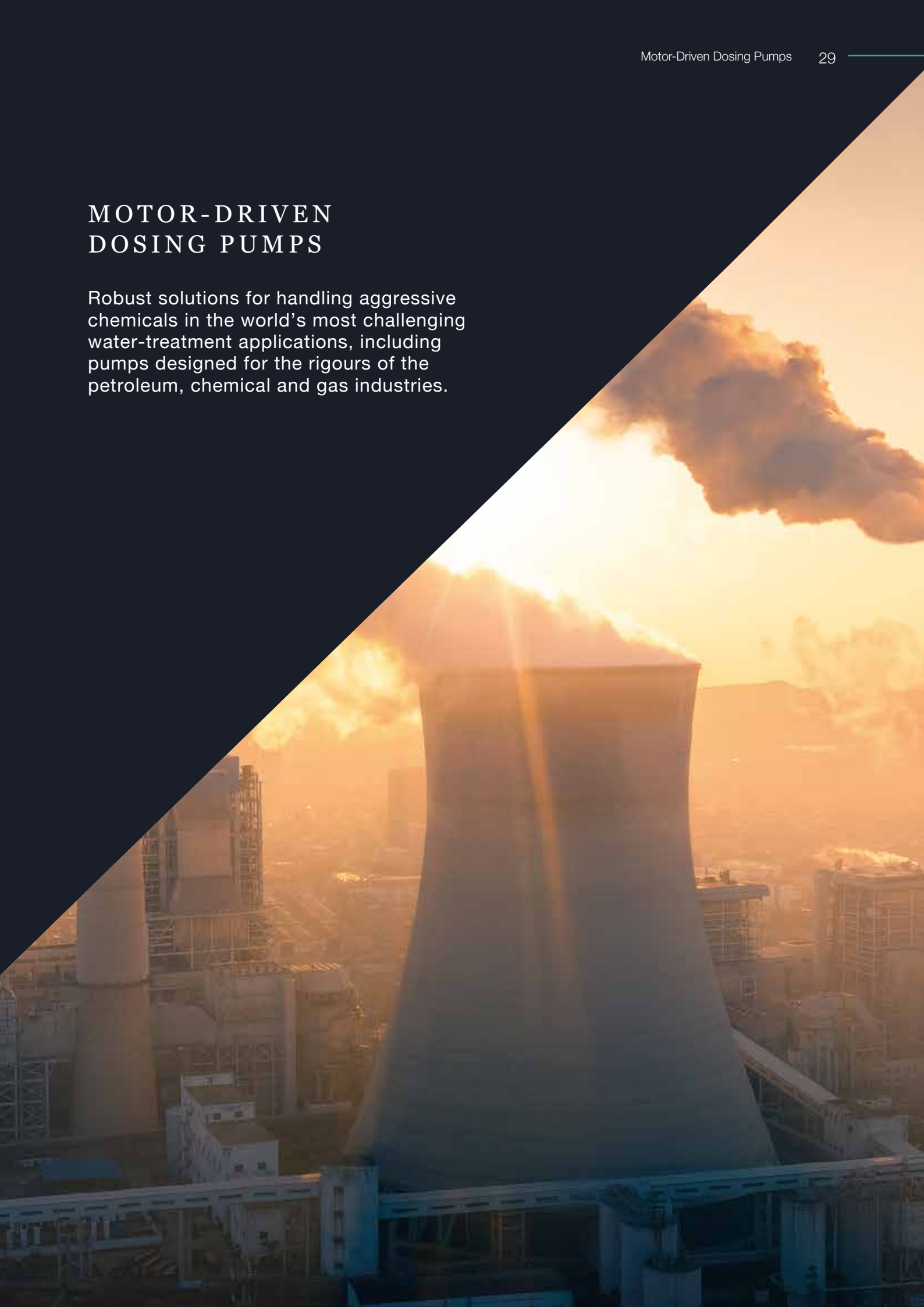
Model									
OG	Digital interface - Constant flow rate, manually adjustable. Proportional flow rate according to an external analogic (4-20 mA) or digital signal (water meter, 1:n or n:1). Timer function, ppm proportional dosing. Statistic. Password Input ON-OFF (remote control). Available with communication via Modbus protocol.								
OK	Digital interface - Constant flow rate, manually adjustable. Timed dosing with a weekly programmable timer, programmable timed relay by activating a dry contact								
Hydraulics	Pressure [bar]	Flow rate [l/h]	Capacity [cc/stroke]	Frequency [stroke/1']	Ø Hydr Connections IN / EXT,[mm]				
10	20	0.4	0,06	120	4 / 7 discharge 4 / 6 suction				
	16	0.8	0,11						
	10	1.2	0,17						
	6	1.5	0,21						
20	20	2.5	0,35	120	4 / 7 discharge 4 / 6 suction				
	18	3	0,42						
	14	4.2	0,58						
	8	7	0,97						
30	12	4	0,42	160	4 / 6				
	10	5	0,52						
	8	6	0,63						
	2	8	0,83						
40	16	7	0,38	300	4 / 6				
	10	10	0,55						
	5	15	0,83						
	1	18	1,00						
50	5	20	1,11	300	8 / 12				
	4	32	1,78						
	2	62	3,44						
	0,1	110	6,11						
Power supply									
N		100÷240 Vac 50/60 Hz							
Liquid end					Body				
H					PVDF				
I					SS316L				
Installation kit					Body				
H					PVDF				
X					with 1.5 bar injection valve not for hydraulic 50				
0					without kit only with Liquid End "I"				
Seals									
0					FKM-B				
1					EPDM				
2					PTFE Standard with Liquid End "I"				
3					FFKM Installation kit with PTFE seals (not for Hydraulic 50)				
Market									
0									
Customisation									
X					ATEX				
Optional									
0									
HL	20	N	H	H	0	0	X	0	

Titan Series



MOTOR-DRIVEN DOSING PUMPS

Robust solutions for handling aggressive chemicals in the world's most challenging water-treatment applications, including pumps designed for the rigours of the petroleum, chemical and gas industries.



Titan Series: Robust and reliable motor-driven dosing for water and industry

Featuring a spring return mechanism in an aluminium housing, these pumps always deliver robust, affordable and efficient power.

- Mytho's entry-level offering in motor-driven pumps is the Titan Series, a range of pumps based on the spring return principle. Three mechanism sizes and a wide selection of models with varying performance profiles allow the user to find the appropriate solution for almost any application, offering accurate dosing under varying pressure conditions.
- Available both in plunger piston and mechanically actuated diaphragm versions, Mytho's Titan Series pumps can be used almost universally in low-pressure applications and guarantee, in the membrane version, a zero-leakage dosing solution. Meanwhile, these systems offer flexibility in stroke length and motor speed, and can be coupled in various combinations.

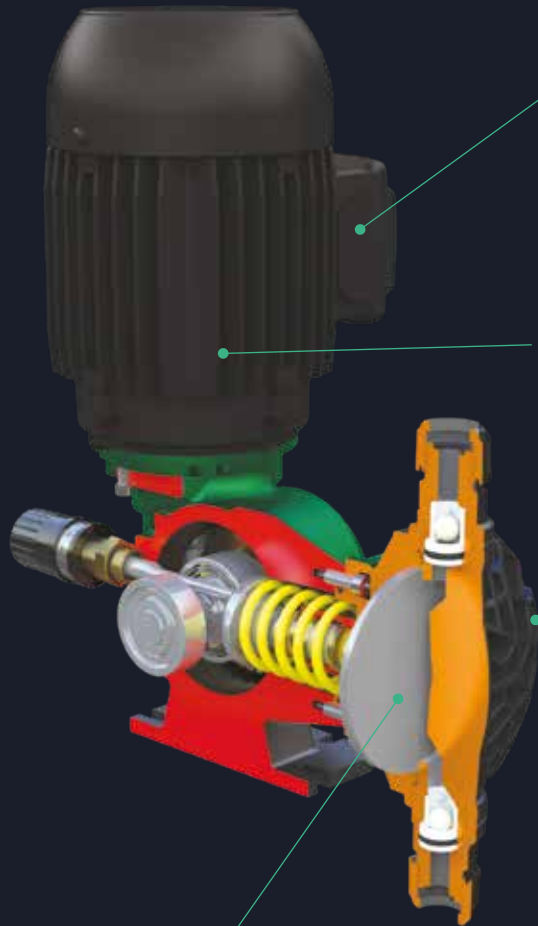
A wide range of applications

Designed for multiple applications including a variety of water-treatment processes, the Titan Series can be used in any of the following:

- **Chemical treatment**, electrolytic (electroplating) treatments: addition of degreasing agents, cleaning agents, nickel electroplating and chemical nickel plating, copper plating and tinning
- **Potable water treatment** (injection of coagulants, flocculating agents, sodium hypochlorite, lime slurry, acid, bases, caustic soda, activated carbon and more)
- **Domestic or industrial wastewater treatment**, boiler feed water, cooling water, fertigation, power plants, food industry, paper industry and cooling towers



Features & benefits



Optional extras

Almost all models are also available in the V Series version which, thanks to integration with an inverter including 4-20mA and pulse inputs, allows them to be managed with menus and functions typical of proportional dosing pumps



Ultra-reliable Titan Series

The Titan Series includes a broad range of hydraulic configurations, reaching high flow rates up to 1,000 l/h, and back-pressure up to 20 bar



Low operating costs

Outstanding ease of programming coupled with low maintenance requirement



Diaphragm options

Mechanical diaphragm in PTFE



Energy-efficient motors

A broad selection of motors available to meet your application requirements



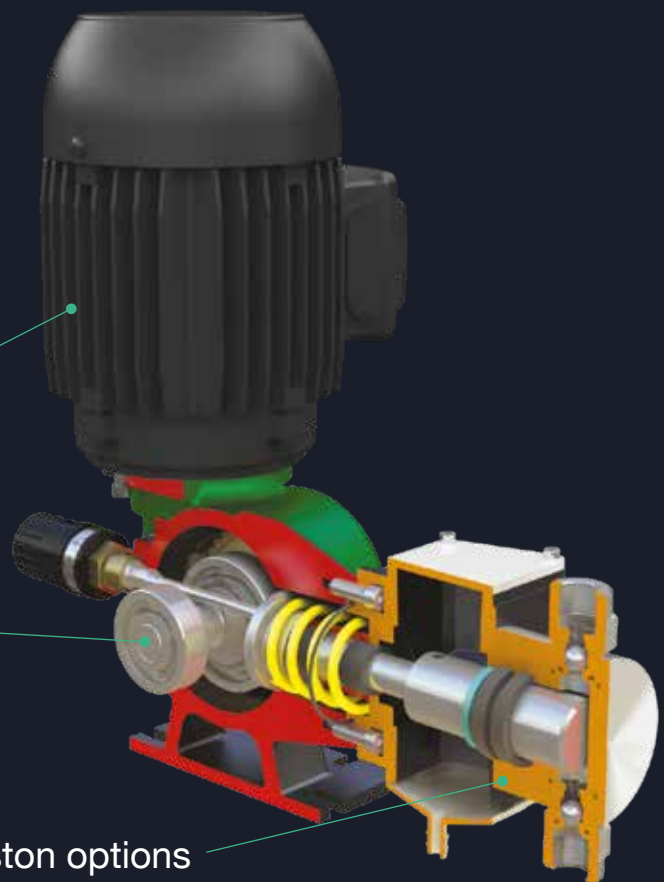
Chemical applications

A wide range of materials available for superior chemical compatibility and suitable for high-viscosity applications



Piston options

Piston available as standard in SS316 or ceramic



D1 Titan Series

SPRING-RETURN MECHANICAL DIAPHRAGM DOSING PUMP

- Flow-rate range: 5.5 - 500 l/h, up to 16 bar
- Wetted parts: SS316L, PVC, PP, PVDF, PTFE, FPM, EPDM and ceramic
- The D1 pump offers multiple combinations of pump head motors, stroke lengths and materials that allows operators the chance to select the optimal combination appropriate to the specific application.
- This membrane pump represents an absolutely safe and leak-free solution, to be used wherever chemical leaks typical of some plunger piston pumps are not acceptable.
- To change the flow rate of the pump, the stroke length can be adjusted manually with a knob or even automatically by servo-motor input 4-20mA.
- Titan Series D1 pumps can be supplied with a single or three-phase electric motor with IP55 protection, as well as with a DC motor working at 12 Vdc range that allows the pump to achieve flow rates between 23 and 620 l/h at pressure up to 16 bar.



Specification

Model	Diameter [mm]	Stroke length [mm]	Frequency [stroke/1']	Flow rate [l/h]	Max pressure [bar]			Connections		Motor [kW/pole]	Weight [kg]	
					SS316L	PP/PVC	PVDF	SS316L	Other		SS316L	Other
D1E064U**A4000	64	2	58	5.5	16	10	10	BSPf 1/4"	BSPf 1/4"	0.18/4 (A4)	10.5	8.5
D1E064V**A4000			78	8								
D1E064X**A4000			116	11								
D1E094U**A4000	94	2	58	20	16	10*	10*	BSPf 3/8"	BSPf 1/4"	0.18/4 (A4)	11.0	8.5
D1E094V**A4000			78	26								
D1E094X**A4000			116	40								
D1D108U**A4000	108	4	58	60	10	10*	10*	BSPf 3/8"	BSPf 3/8"	0.18/4 (A4)	13.5	10.0
D1D108V**A4000			78	80								
D1D108X**A4000			116	120								
D1C138U**C4000	138	6	58	155	7	7	7	BSPf 3/4"	BSPf 3/4"	0.37/4 (C4)	18.5	12.5
D1C138V**C4000			78	220								
D1C138X**C4000			116	310								
D1C165U**C4000	165	6	58	230	5	5	5	BSPf 1"	BSPf 1"	0.37/4 (C4)	22.0	13.5
D1C165V**C4000			78	330								
D1C165X**C4000			116	500								

* Available with special Enforced Pump Head for use up to 16 bar

D1 key code

Model									
D1									
Stroke length									
E	2 mm								
D	4 mm								
C	6 mm								
Diaphragm diameter [Ømm]									
064	64 mm								
094	94 mm								
108	108 mm								
138	138 mm								
165	165 mm								
Reducer ratio									
U	24:1	58							
V	18:1	78							
X	12:1	116							
Stroke/min [4 poles motor]									
Liquid end									
AA	SS316L	Diaphragm		Valve	Seat	O-Ring			
PV	PVC	PTFE		Ceramic	PTFE	FPM			
PP	PP	PTFE		Ceramic	PTFE	FPM			
FF	PVDF	PTFE		Ceramic	PVDF	FPM			
PA	PP	PTFE		SS36L	SS36L	FPM			
AE	S.S.316	PTFE		SS36L	SS36L	EPDM			
PD	PP	PTFE		Ceramic	PTFE	EPDM			
PE	PVC	PTFE		Ceramic	PTFE	EPDM			
FE	PVDF	PTFE		Ceramic	PVDF	EPDM			
Pump head									
S0	Without motor		Size		Power supply				
A4	0,18	M63-B14		3PH 230/400V 50/60 Hz - TFC					
C4	0,37	M71-B14		1PH 230V - 50Hz					
H4	0,25	M71-B14		12Vdc					
L4	0,55	M80-B14							
C0	0,40	M71-B14							
Stroke length regulation									
0	Manual				[0-100% of stroke length]				
L	Electric Actuator				[4-20mA input/output]				
Customisation									
0									
Optional									
0	Standard								
2	S0 (without motor) + adapter Kit								
E	Servoventilated (power supply 230V)								
M	Material certificate EN10204 -2.2								
D1	C	165	X	PP	C4	0	0	0	

D1 HF Titan Series

SPRING-RETURN DIAPHRAGM PUMP WITH ASSISTED VACUUM SYSTEM®

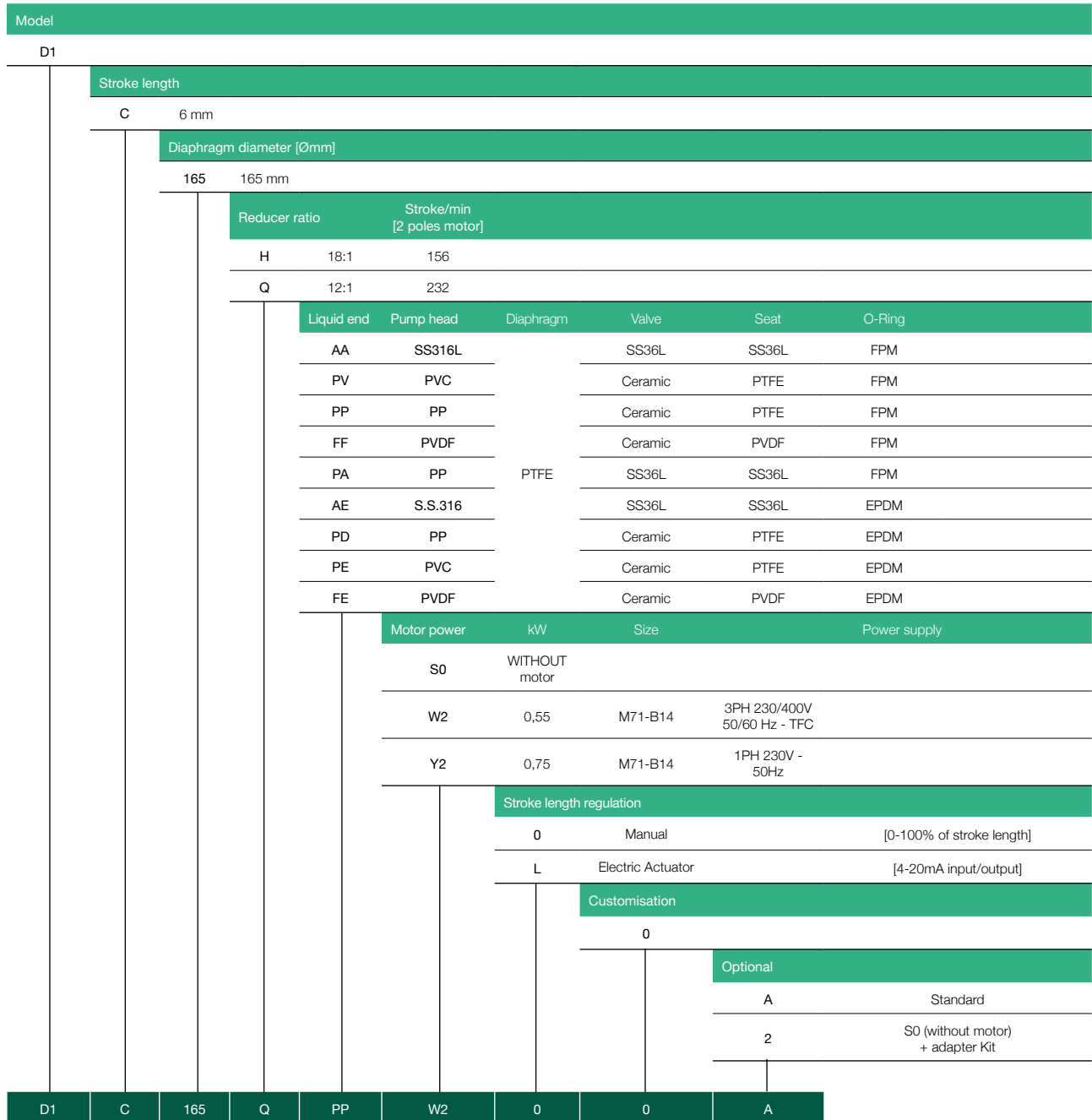
- Flow rate range: 450 - 1,200 l/h, up to 4.5 bar
- Wetted parts: SS316L, PVC, PP, PVDF, PTFE, FPM, EPDM and ceramic
- D1 HF is fitted with Mytho's AVS (Assisted Vacuum System®), a technical solution that helps overcome the typical functional limitations of pumps with a spring return. Using this mechanism allows pump performance to be improved by allowing dosing frequency to be raised (stroke/min) without compromising diaphragm lifespan.
- AVS enables D1 HF to reach a flow rate of 1,200 l/h while keeping noise and mechanical stress at a reduced level. Each model can be configured with two different stroke rates and is supplied with a three-phase 2-pole electric motor with IP55 protection.



Specification

Model	Diameter [mm]	Stroke length [mm]	Frequency [stroke/1']	Flow rate [l/h]	Max pressure [bar]	Connections	Motor [kW/pole]	Weight [kg]	
								SS316L	Other
D1C138H**W200A	138	6	156	450	4.5	BSPF 1"	0.55/2 (W2)	18.5	12.5
D1C138Q**W200A			232	750				18.5	12.5
D1C165Q**W200A	165		232	1,200	2			22.0	13.5

D1 HF key code



R1 R Series

SPRING-RETURN PLUNGER PISTON DOSING PUMP

- Flow rate range: 1.5 - 304 l/h, up to 20 bar
- Wetted parts: SS316L, PVC, PTFE, FPM, EPDM and ceramic
- The R1 pump is designed for applications that require lower flow rates than the R2 while offering multiple combinations of pump head, motor power and piston stroke length. This achieves multiple hydraulic characteristics for adapting to a large number of applications.
- Like R2, each model can be configured with two different stroke rates and is available with 3-phase or single-phase motors, both with IP55 protection.
- Versions with a 12 Vdc motor are available that achieve flow rates between 34 and 350 l/h at pressure up to 20 bar.



Specification

Model	Piston diameter	Strokes/min	Flow rate l/h	Max pressure				Connections		3-phase motor kW
				bar		psi		AISI 316	PVC	
				AISI 316	PVC	AISI 316	PVC			
R1B006U**A4000	6	58	1.5	20	10	290	145	1/4" G F	1/4" G F	0.18
R1B006X**A4000		116	3							
R1B011U**A4000	11	58	5	20	10	290	145	1/4" G F	1/4" G F	0.18
R1B011X**A4000		116	10							
R1B017U**A4000	17	58	11	20	10	290	145	3/8" G F	3/8" G F	0.18
R1B017X**A4000		116	22							
R1B025U**A4000	25	58	25	20	10	290	145	3/8" G F	3/8" G F	0.18
R1B025X**A4000		116	50							
R1B030U**B4000	30	58	35	20	10	290	145	3/8" G F	3/8" G F	0.25
R1B030X**B4000		116	70							
R1B038U**B4000	38	58	55	17	10	246.5	145	3/8" G F	3/8" G F	0.25
R1B038X**B4000		116	110							
R1B048U**B4000	48	58	85	10	10	145	145	1/2" G F	1/2" G F	0.25
R1B048X**B4000		116	170							
R1B054U**B4000	54	58	110	8	8	116	116	1/2" G F	1/2" G F	0.25
R1B054X**B4000		116	220							
R1B064U**B4000	64	58	152	6	4	87	58	3/4" G F	3/4" G F	0.25
R1B064X**B4000		116	304							

R1 key code

Model						
R1						
Stroke length						
B	15 mm					
Plunger diameter						
006	6 mm					
011	11 mm					
017	17 mm					
025	25 mm					
030	30 mm					
038	38 mm					
048	48 mm					
054	54 mm					
064	64 mm					
Reducer ratio		Stroke/min [4 poles motor]				
U	24:1	58				
X	12:1	116				
Liquid end	Pump head	Gasket	Plunger	Seat	O-Ring	Ball valve
AA	SS316L	FPM	SS316L	SS316L	FPM	SS316L
AF	SS316L	EPDM	SS316L	SS316L	EPDM	SS316L
PV	PVC	FPM	Ceramic	PTFE	FPM	Ceramic
PE	PVC	EPDM	Ceramic	PTFE	EPDM	Ceramic
Motor power		kW		Size		Power supply
S0	Without motor					
A4	0,18		M63-B14		3PH 230/400V 50/60 Hz - TFC	
C4	0,37		M71-B14			
H4	0,25		M71-B14		1PH 230V - 50Hz	
L4	0,55		M80-B14			
C0	0,40		M71-B14		12Vdc	
Stroke length regulation						
0	Manual				[0-100% of stroke length]	
L	Electric Actuator				[4-20mA input/output]	
Customisation		Customisation				
0	0					
Optional						
0	Standard					
2	S0 (without motor) + adapter Kit					
E	Servoventilated (power supply 230V)					
M	Material certificate EN10204 -2.2					

R1 B 011 U AA A4 0 0 0

R2 R Series

SPRING-RETURN PLUNGER PISTON DOSING PUMP

- Flow rate range: 40 - 1,000 l/h, up to 20 bar
- Wetted parts: SS316L, PVC, PTFE, FPM, EPDM and ceramic
- The R2 piston dosing pump offers multiple combinations of pump head, motor power and stroke lengths that enable it to be arranged in several hydraulic configurations, making the system compatible with multiple applications.
- Mytho's R2 piston dosing pumps can adapt to a large number of applications. Like other variants in the R Series, R2 has a spring-return mechanism in a robust aluminium housing but is equipped with a special pump body specifically recommended for high-pressure applications that allows it to dose with backpressures up to 100 bar.
- R2 pumps are available with a 3-phase or a single-phase electric motor, both with IP55 protection.



Specification

Model	Piston diameter	Strokes/min	Flow rate l/h	Max pressure				Connections		3-phase motor kW
				bar		psi		AISI 316	PVC	
				AISI 316	PVC	AISI 316	PVC			
R2A025U**T4000	25	58	40	20	10	290	145	3/8" G F	3/8" G F	0.25
R2A025X**T4000		116	80							
R2A030U**T4000	30	58	55	20	10	290	145	3/8" G F	3/8" G F	0.25
R2A030X**T4000		116	112							
R2A038U**U4000	38	58	90	20	10	290	145	1/2" G F	3/8" G F	0.37
R2A038X**U4000		116	180							
R2A048U**D4000	48	58	140	20	10	290	145	1/2" G F	1/2" G F	0.55
R2A048X**D4000		116	284							
R2A054U**D4000	54	58	180	15	10	217.5	145	1/2" G F	1/2" G F	0.55
R2A054X**D4000		116	365							
R2A064U**E4000	64	58	250	10	10	145	145	3/4" G F	3/4" G F	0.75
R2A064X**E4000		116	505							
R2A076U**E4000	76	58	365	7	7	101.5	101.5	1" G F	1" G F	0.75
R2A076X**E4000		116	730							
R2A089U**E4000	89	58	495	5	8	72.5	72.5	1" G F	1" G F	0.75
R2A089X**E4000		116	1000							

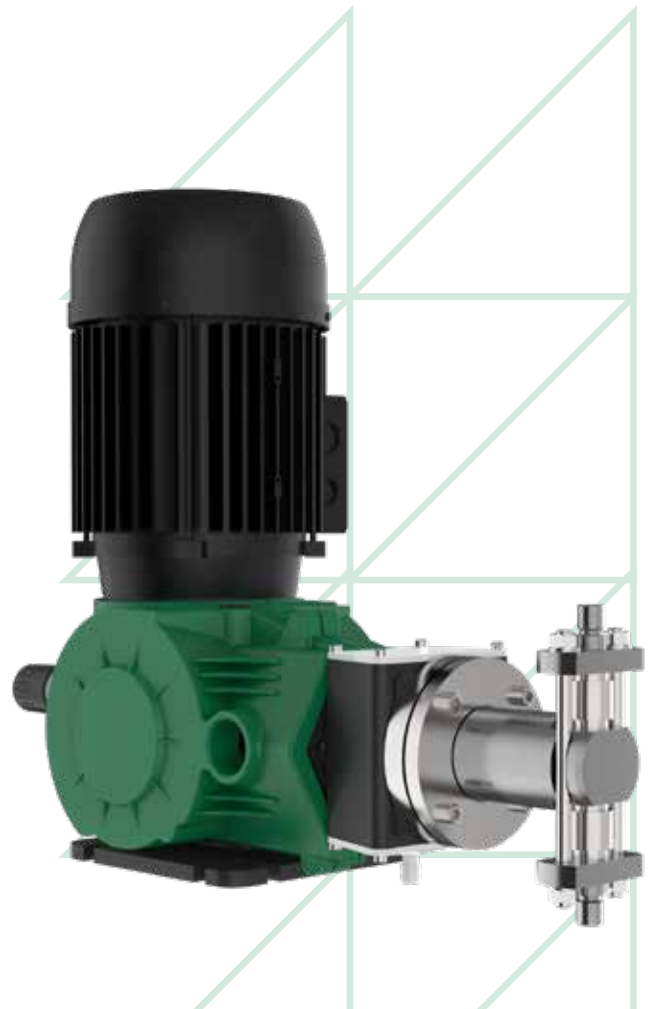
R2 key code

Model									
R2									
Stroke length									
A		25 mm							
Plunger diameter									
025		25 mm							
030		30 mm							
038		38 mm							
048		48 mm							
054		54 mm							
054		64 mm							
076		76 mm							
089		89 mm							
Reducer ratio			Stroke/min [4 poles motor]						
U		24:1		58					
X		12:1		116					
Liquid end	Pump head	Gasket	Plunger	Seat	O-Ring	Ball valve			
AA	SS316L	FPM	SS316L	SS316L	FPM	SS316L			
AF	SS316L	EPDM	SS316L	SS316L	EPDM	SS316L			
PV	PVC	FPM	Ceramic	PTFE	FPM	Ceramic			
PE	PVC	EPDM	Ceramic	PTFE	EPDM	Ceramic			
Motor power		kW		Size		Ppower supply			
S0		Without motor							
T4		0,25		M71-B5					
U4		0,37		M71-B5		3PH 230/400V 50/60 Hz - TFC			
D4		0,55		M80-B14					
E4		0,75		M80-B14					
Z4		0,37		M71-B5					
L4		0,55		M80-B14		1PH 230V - 50Hz			
M4		0,75		M80-B14					
N4		1,1		M80-B14					
Stroke length regulation									
0				Manual		[0-100% of stroke length]			
L				Electric Actuator		[4-20mA input/output]			
Customization									
0				Standard					
Optional									
0				Standard					
2				S0 (without motor) + adapter Kit					
E				Servoventilated (power supply 230V)					
M				Material certificate EN10204 -2.2					
R2	A	025	U	AA	T4	0	0	0	

R2 HP R Series

SPRING PLUNGER PISTON DOSING PUMP FOR HIGH PRESSURE

- Flow rate range: 2.5 - 12 l/h, up to 100 bar
- Wetted parts: SS316L, PTFE, NBR
- Mytho's R2 HP high-pressure piston dosing pumps can adapt to a large number of applications. Like other variants in the R Series, R2 HP has a spring-return mechanism in a robust aluminium housing but is equipped with a special pump body specifically recommended for high-pressure applications that allow it to dose with backpressures up to 100 bar.
- This model has two stroke rates, with stroke lengths manually settable via a knob. To achieve the given performance, these pumps need to be actuated by a 3-phase motor, provided with an IP55 ingress protection classification.
- R2 HP has been designed for use in processes requiring an economical and practical solution for dosing small amounts of product at high pressure up to 100 bar, such as boiler applications.



Specification

Model	Piston diameter [mm]	Stroke length [mm]	Frequency [stroke/1']	Flow rate [l/h]	Max pressure [bar]	Connections	Motor [kW/pole]	Weight [kg]
R2A006UAPD40H0	6	25	58	2.5	100	BSPm 1/4"	0.55/4 (D4)	10
R2A006XAPD40H0			116	5				
R2A010UAPD40H0	10		58	6				
R2A010XAPD40H0			116	12				

R2 HP key code

Model									
R2									
Stroke length									
A	25 mm								
Plunger diameter									
006	6 mm								
010	10 mm								
Reducer ratio									
		Stroke/min [4 poles motor]							
U	24:1	58							
X	12:1	116							
Liquid end									
AP	Head	Gasket	Plunger	Seat	O-ring	Ball valve			
	SS316L	NBR+PTFE	SS316L	SS316L	FPM	SS316L			
Motor power									
		kW	Size			Power supply			
S0	Without motor					3 PH 230/400V 50/60 Hz - TFC			
D4	0,55	M80-B14							
Stroke length regulation									
0	Manual		[0-100% of stroke length]						
L	Electric Actuator		[4-20mA input/output]						
Custmization									
H	High Pressure								
Optional									
0	Standard								
2	S0 (without motor) + adapter Kit								
E	Servoventilated (power supply 230V)								
M	Material certificate EN10204 -2.2								
R2	A	010	U	AP	D4	0	H	0	

V Series

WITH ELECTRONIC CONTROL FOR PROPORTIONAL DOSING

Mytho brings IoT to mechanical chemical dosing

Mytho has used the power of data on demand and the Internet of Things (IoT) to bring users closer than ever to their systems with V Series, a groundbreaking controller that provides invaluable live and historical data on demand from any location worldwide.

Currently available for use with the Titan Series of motor-driven pumps, V Series uses an integrated web server to give water-treatment application managers the power to remotely monitor and adjust key pump parameters such as chemical dosage and flow rate 24/7 via PC, laptop, tablet or smartphone.

This round-the-clock connectivity offers vast potential for precise digital dosing, process optimisation and cost control in multiple applications.



Features & benefits

Digital control

- **Multiple operating modes** – timed, batch, manual, proportional from analogue or digital signals: 1:N, and N:1
- **Intelligent graphic display** – shows red, yellow or green backlight, according to the current operating function
- Electronic control unit interface **can be fixed in multiple positions** to facilitate operation/installation

Advantages of the V Series

- **Includes a broad range of hydraulic configurations**, reaching high flow rates up to 1,000 l/h and backpressure up to 20 bar
- **Wide range of applications** - suitable for high-viscosity chemical applications
- **Exceptionally low application costs** due to outstanding ease of programming coupled with low maintenance requirement
- **Energy-efficient** motors plus a wide range of materials available for superior chemical compatibility

IoT connection

- **Remote programming and monitoring of the pump** via any internet-connected device.
- **Wireless local connection to the pump** courtesy of RS485 and IrisLink.
- **Data on demand** grants secure remote data management and programming of the pump via the MythoLink portal from any location worldwide
- **Real-time and historic data available 24/7** directly to any smart device or PC, including alarms to help drive **effective maintenance planning** and rapid technical intervention



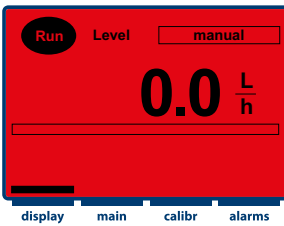
V Series

MOTOR-DRIVEN PUMPS WITH SPRING RETURN, ELECTRONIC CONTROL AND IOT

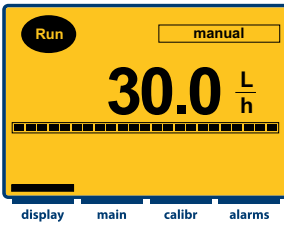


Smart graphic display

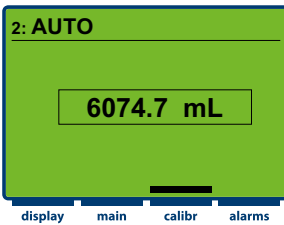
Offers not only a graphic intuitive interface, but also changes colour according to operating function.



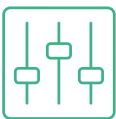
Red - shows alarm mode



Yellow - shows the control unit is connecting to a smart device



Green - denotes successful calibration process



Simple fast programming

The V Series controller allows quick and easy programming from any smart device or laptop, both remotely as well as from the display.



Manual adjustment of stroke length

Provides the ultimate precision when combined with the digital dosing of the V Series controller.



External connectors

The V Series' external connectors allow the pump to be connected to its accessories and signals from the field without opening its case. The screw terminals available in the plugs supplied allow technicians to cut the connection cables to the right length, directly in the field – enabling clean installations without the need for special tools or excess wiring.



V Series technical features

V Series pumps are based on a spring-return mechanism housed in a robust aluminium case, and always provide effective and reliable power. The V Series maximises these benefits by allowing users to link dosage to signals from the field and monitor and programme the pump both locally and via any smart device or PC courtesy of MythsLink.

Hydraulic characteristics

Model	Flow rate [l/h]	Max pressure [bar]	Frequency [stroke/1']	Stroke length [mm]	Diaphragm diameter [mm]	Ingress protection rating
D1 Diaphragm pump	up to 500	up to 16	1 - 116	2 / 4 / 6	up to 165	IP55
R1 Piston pump	up to 304	up to 20	1 - 116	15	up to 64	IP55
R2 Piston pump	up to 1,000	up to 20	1 - 116	25	up to 89	IP55

V Series key code

Motor type	kW [3ph]	Size
AE	0.18	63-B14
BE	0.25	71-B14
CE	0.37	71-B14
DE	0.55	80-B14
EE	0.75	80-B14
TE	0.25	71-B5
UE	0.37	71-B5

Optional

C V Series

D1	X	XXX	X	XX	CE	0	0	C
----	---	-----	---	----	----	---	---	---



Multiple operating modes

- Manual
- Batch
- Timed
- Proportional to mA
- Proportional to V
- PPM
- Proportional to pulses

V Series

Motor-driven pumps with spring return, electronic control and IoT

Data on demand

V Series pumps are based on a spring-return mechanism housed in a robust aluminium case, and always provide effective and reliable power. The V Series maximises these benefits by allowing users to link dosage to signals from the field and monitor and programme the pump both locally and via any smart device or PC courtesy of MythoLink.

Remote connection via the internet

Courtesy of the V Series' RS485 Modbus port, the system connects with IrisLink to enable internet access and exchange data with the cloud. This functionality allows the pump to be managed from anywhere in the world 24/7 via the MythoLink portal and enables technicians to quickly obtain historical and real-time data on the pump's operation and be notified in the event of alarms or warnings generated by the system. Meanwhile, scheduled maintenance can be planned and reported and anomalies be actioned immediately by remotely reprogramming the pump's dosing parameters.



V SERIES WEB INTERFACE

Whether working locally or remotely, the V Series web interface provides the operator with:

- **Instant values:** displays overview of the real-time status of the system including pump operating mode, pump status and alarm status.
- **Graphs and levels:** displays the time graphs of the several pump parameters chosen for monitoring by the user.
- **Alarms:** displays the active alarms. If the pump has been registered in the portal and is being accessed through MythoLink, users can view a log of all the received alarms with date, time and type.
- **General settings:** a section where the user can set the operating mode of the pump and adjust dosing parameters.
- **Statistics/counters:** provides an overview of the statistics of the system under control.
- **Advanced settings:** available only to users with appropriate permissions, this allows them to set other advanced device parameters and to stop, start and pause the pump remotely.
- When accessing the local pages of the internal webserver, further sections are available for updating pump firmware and setting network parameters, such as the password of the Wi-Fi network needed to connect the device to the internet.



Modbus RTU over RS485 serial port

Modbus standard protocol enables cross-device connection and communication, allowing the user to create a wired network of standard Modbus devices. This means that the V Series can become part of a larger system comprising several industrial devices, all controlled by a local controller such as a PC or PLC.



Wi-Fi for a direct connection and online access

The V Series connects with IrisLink to allow both local direct connection to the pump's internal programming webpages from any smart device, and the connection of the pump to a Wi-Fi network available in the plant. This allows the pump to be monitored and programmed remotely via the internet through the MythoLink portal.

For precision, consistency and reliability, choose N Series.

A range of electric motor-driven pumps with mechanical diaphragm liquid ends and mechanical return designed to deliver exceptional performance across a wide range of flow and pressure environments.

A wide range of applications

Suitable for a wide range of applications including a variety of water-treatment processes, the N Series can be effectively used in any of the following:

- **Potable water treatment** (injection of coagulants, flocculating agents, sodium hypochlorite, lime slurry, acid, bases, caustic soda, activated carbon and more)
- **Domestic or industrial wastewater treatment**, boiler feed water and cooling water
- **Chemical treatment, electrolytic** (electro-plating) treatments: addition of degreasing agents, cleaning agents, nickel electroplating and chemical nickel plating, copper plating and tinning

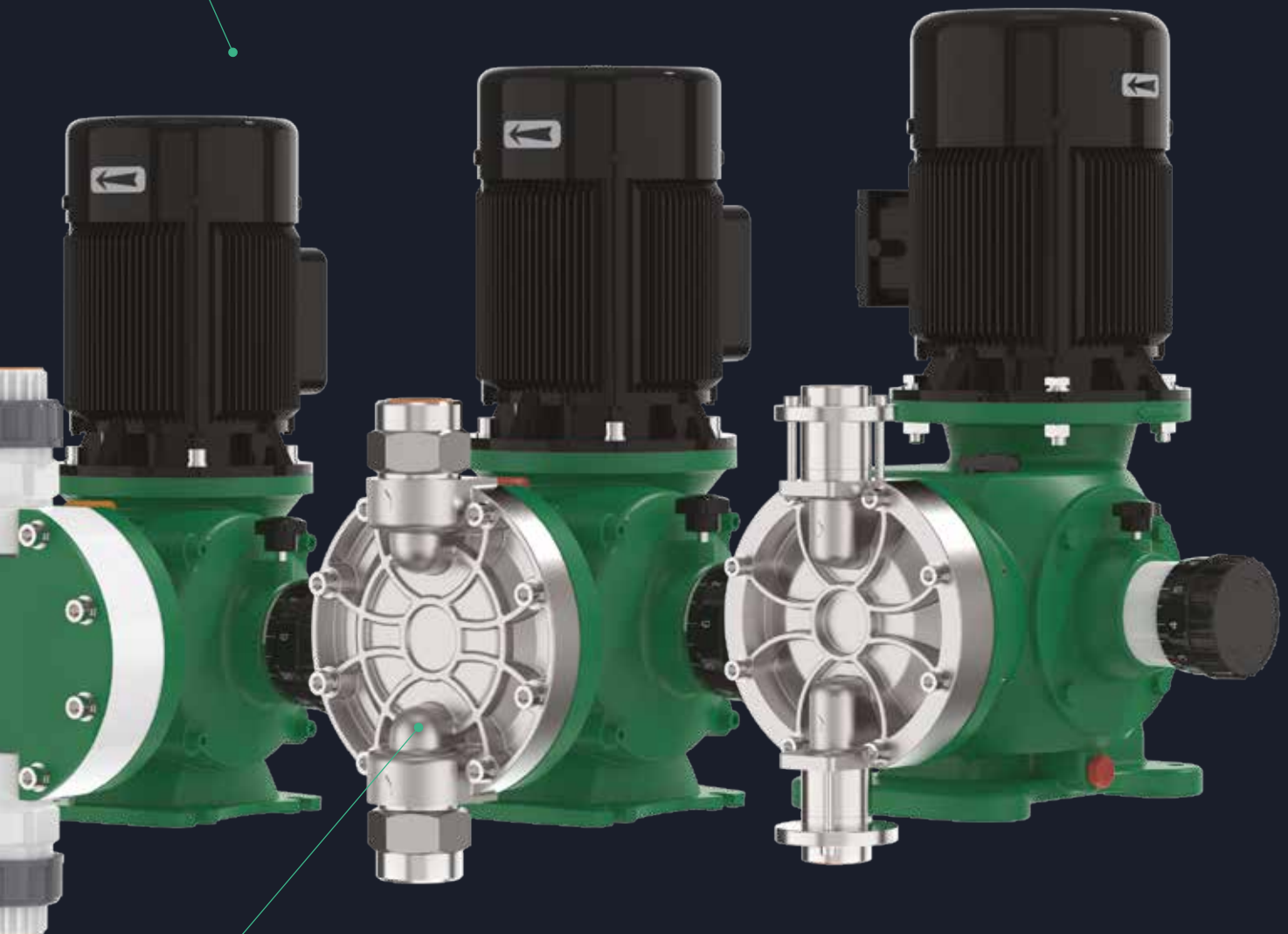


Features & benefits

Ideal for prolonged, continuous usage

As with all Mytho pumps, N Series is designed using materials chosen for their robustness and chemical compatibility and is conceived to work for long periods of continuous operation thanks to the benefits derived from its variable eccentric system. Mytho's N Series PTFE diaphragm is directly linked to the mechanism's moving parts, meaning the N Series can easily deal with high suction head conditions.

All components feature permanent lubrication, using ball bearings for the principal moving parts to help prevent overheating and extend the pump's life, with the added benefit of quiet running.



Perfect for achieving high flow rates at medium/low discharge pressures

The N Series comprises two principal models - NX and NY - and is designed to be compact and robust. N Series pumps offer great performance across a wide range of flow rates from 3.5 l/h to 2,300 l/h, making them ideal for low discharge pressures in applications such as water treatment, food production and clean-in-place.

NX N Series

MECHANICAL-RETURN DIAPHRAGM DOSING PUMP

- Flow rate range: 9 - 530 l/h, up to 12 bar
- Wetted parts: SS316L, PVDF, PTFE, FPM, EPDM and ceramic

- Featuring characteristics and functions very similar to those of the NY models, the NX systems of the N Series range have smaller dimensions and can be used effectively where the required flow rates are lower, but it is necessary to work at slightly higher pressures. In fact, these pumps can handle flow rates of up to 530 l/h and can work at pressures up to 12 bar.
- These models are manufactured from materials that deliver superior robustness and chemical compatibility and are designed to operate continuously for long periods, thanks in part to the benefits of the variable eccentric system. The PTFE diaphragm is directly connected to the mechanism and this allows the pump to exploit the power of the motor both in suction and delivery phases, allowing it to work even in high suction head conditions.
- All components benefit from permanent lubrication, using ball bearings for the principal moving parts that help prevent overheating and extend pump life with the added benefit of quiet running.



Specification

Model	Diameter [mm]	Stroke length [mm]	Frequency [stroke/1']	Flow rate [l/h]	Max pressure [bar]	Connections		Motor/3ph [kW/pole]
						SS316L	PVDF	
NX1065X*A40000	65	2	116	9	12	BSPf 1/4"	8x12 PE hose	0.25 / 4
NXG096V*A40000	96	4	78	53	10	BSPf 3/8"	DN 10	
NXF124V*B40000	124	6.4	156	170	7	BSPf 3/4"	DN 20	0.37 / 4
NXF124V*B20000				340	5			
NXE140V*B20000	140	7.4		530		BSPf 1."	DN 25	

NX key code

Model										
NX										
Stroke length										
I	2 mm									
H	2.34 mm									
G	4 mm									
F	6.4 mm									
E	7.4 mm									
Plunger diameter										
065	65 mm									
096	96 mm									
124	124 mm									
140	140 mm									
Reducer ratio		Stroke/min [4 poles motor]			Stroke/min [2 poles motor]					
U	24:1	58								
V	18:1	78			156					
X	12:1	116								
Liquid end		Pump head		Diaph.		Valve		Seat		O-Ring
AA		SS316L				SS36L		SS36L		FPM
AE				PTFE						EPDM
FF		PVDF				Ceramic		PVDF		FPM
FE										EPDM
Motor power				kW			Size			
0				Without motor						
A				0,25			M71-B5			
B				0,37			M71-B5			
Motor poles /phase		Poles		Phases		Power supply				
0				without motor						
2		2		3		230/400V				
4		4		3		50/60 Hz - TFC				
Customisation										
000										
Optional										
0		Standard or without motor								
S		Selfventilated								
NX	I	065	U	AA	A	4	000	0		

NY N Series

MECHANICAL-RETURN DIAPHRAGM DOSING PUMP

- Flow rate range: 80 - 2,300 l/h, up to 10 bar
- Wetted parts: SS316L, PVDF, PTFE, FPM, EPDM and ceramic
- Among the N Series pump range, the NY series pumps provide superior dosing performance, making them suitable for the most demanding applications. Constructed in hard-wearing metal with a cast-aluminium housing, N Series NY can handle the largest output with flow rates as high as 2,300 l/h, at pressures up to 10 bar.
- As with all Mytho pumps, the N Series models are designed using materials chosen for their robustness and chemical compatibility and have been developed to work for long periods of continuous operation courtesy of their variable eccentric systems. Mytho's N Series PTFE diaphragm is directly linked to the mechanism's moving parts, meaning these pumps make use of the motor's power both in the suction and delivery phases which allows it to deal with high suction head conditions.
- All components feature permanent lubrication, using ball bearings for the principal moving parts to help prevent overheating and extend pump life with the added benefit of quiet-running operation.



Specification

Model	Diameter [mm]	Stroke length [mm]	Frequency [stroke/1']	Flow rate [l/h]	Max pressure [bar]	Connections		Motor/3ph [kW/pole]
						SS316L	PVDF	
NYD124T**C40000	124	7	43	80	10	BSPf 3/4"	BSPf 3/4"	0.55 / 4
NYD124T**C40000			131	250				
NYC124Z**C40000	140	8	175	450	7	BSPf 1"	BSPf 1"	
NYC140Z**C40000			175	600				
NYB157Z**C40000	157	9	131	1,000	4	BSPf 1 1/2"	BSPf 1 1/2"	0.75 / 4
NYA179Y**D40000	179	15	131	1,600				
NYA179Z**E40000			175	2,300	175	2,300	1.1 / 4	

NY key code

Model									
NY									
Stroke length									
D	6.7 mm								
C	8 mm								
B	9 mm								
A	15 mm								
Diaphragm diameter									
124	124 mm								
140	140 mm								
157	157 mm								
179	179 mm								
Reducer ratio			Stroke/min [4 poles motor]						
T	32:1	43							
W	16:1	86							
Y	11:1	131							
Z	8:1	175							
Liquid end	Pump head	Diaph.	Valve	Seat	O-Ring				
AA	SS316L	PTFE	SS36L	SS36L	FPM				
PV	PVC		Ceramic	PTFE	FPM				
FF	PVDF		Ceramic	PVDF	FPM				
AE	SS316L		SS36L	SS36L	EPDM				
PE	PVC		Ceramic	PTFE	EPDM				
FE	PVDF		Ceramic	PVDF	EPDM				
Motor power		kW			Size				
0	Without motor								
C	0.55 kW			M80-B5					
D	0.75 kW			M80-B5					
E	1.1 kW			M90s-B5					
Motor Poles /Phase		Poles	Phases		Power supply				
0		Without motor							
2		2	3		230/400V				
4		4	3		50/60 Hz - TFC				
Customization									
000									
Optional									
0				Standard or without motor					
S				Selfventilated					
NY	B	157	W	AA	D	4	000	0	

Pump Accessories



COMMON ACCESSORIES

The trouble-free operation of a pump depends on the correct pre-installation analysis specific to the intended application. The choice of accessories and their sizing are critical for the correct performance of a reliable system.

Threaded Water Meter

Series	Size	Pulse/l
TC1		0,1
		1
		4
TH1	from 1/2" to 2"	1 4
TC0		No pulse launcher



Fast Mixers

Shaft	Material
600	
800	SS316 PVC
900	
1,100	
Propeller	rpm
90	1400

Slow Mixers

Shaft	Material
600	
800	SS316 PVC
900	
1,100	
Propeller	rpm
150	70
220	200

Flanged Water Meter

Series	Size	Pulse/l
FC	from 2" to 6"	100 1,000



Tanks

Type	Height [mm]	Diameter [Ø mm]
SER-50	465	410
SER-100	650	470
SER-250	870	610
SER-300	965	670
SER-500	1,195	760
SER-1000	1,223	1,085

Reinforcement Plate

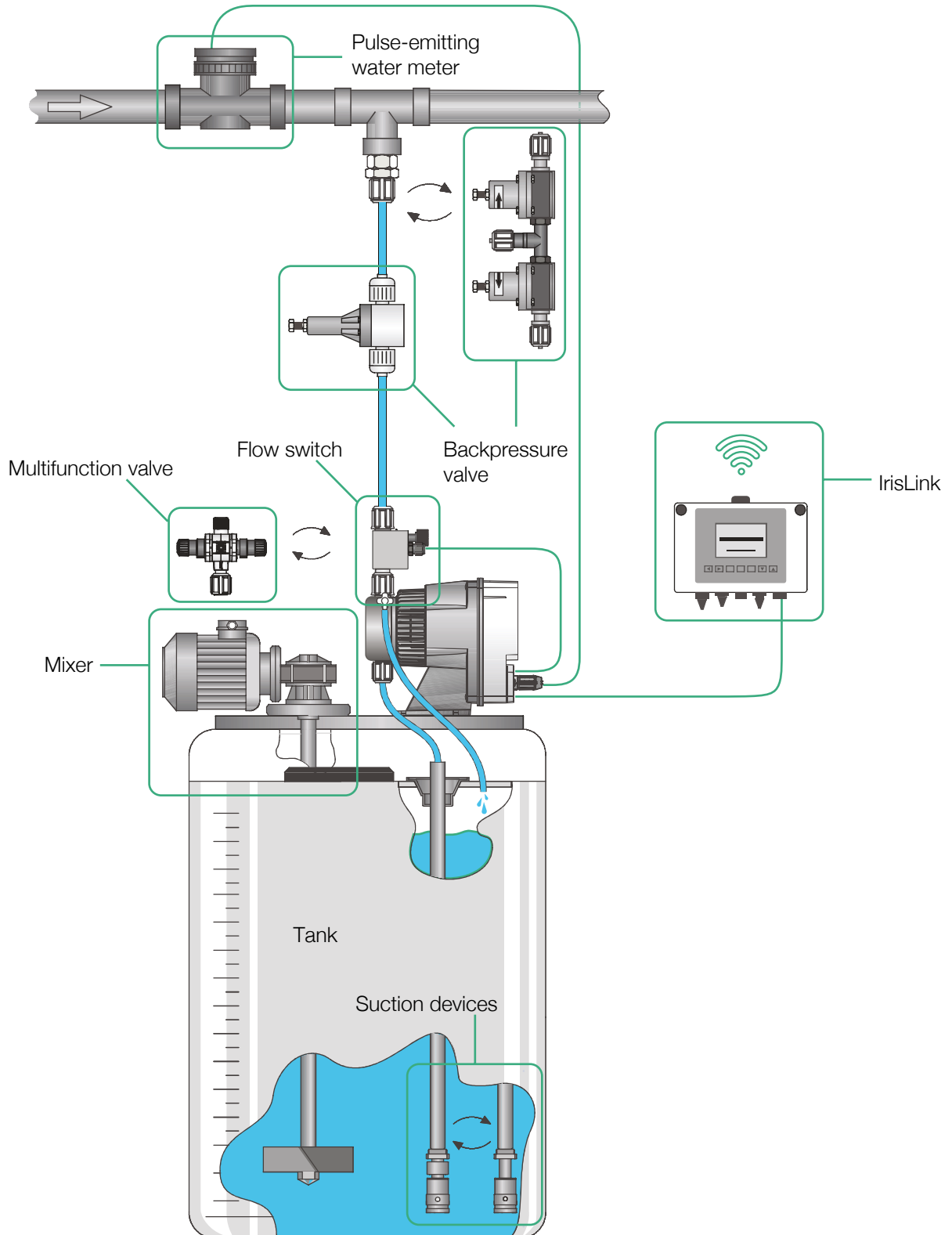
Type	for Tank
-	-
SML-100	SER-100
SML-250	SER-250
SML-300	SER-300
SML-500	SER-500
SML-1000	SER-1000

Containment Tanks

Type	Height [mm]	Diameter [Ø mm]
-	-	-
T-150	610	550
T-300	820	705
T-400	960	780
T-800	1,105	846
T-1500	1,255	1,235



Solenoid-Driven Pump Accessories



SOLENOID-DRIVEN PUMP ACCESSORIES

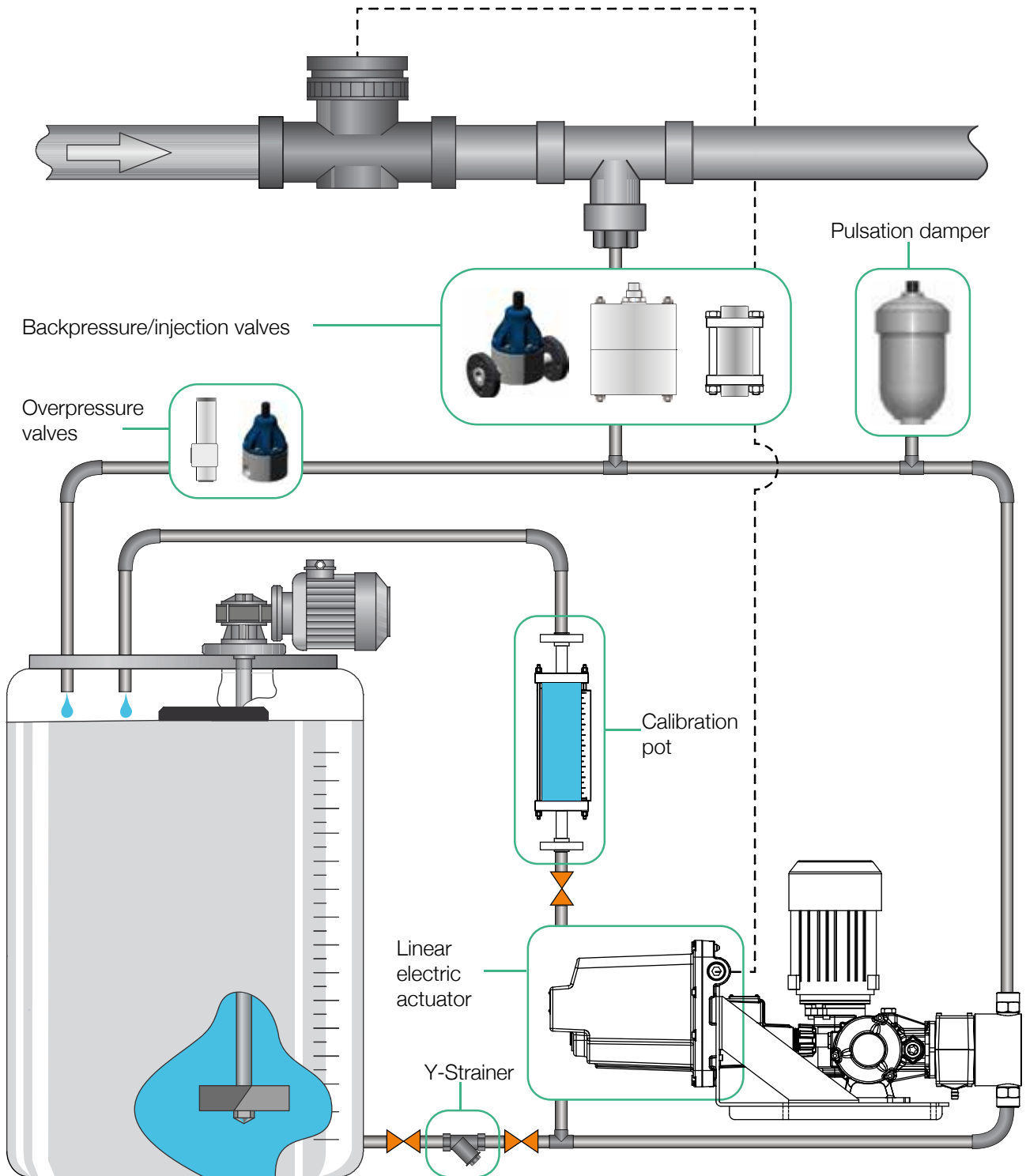
Suction devices					
Type	Length [mm]	Diameter [Ø mm]	Seals	Level sensor	For tank
PVC suction lance	450	22 (for 4x6 tube)	FKM-B EPDM	YES NO	SER-50
	650				SER-100
	900	SER-250			
	1,050	SER-300			
	1,250	SER-500/1000			

Valves					
Type	Pressure [bar]	Max flow rate [l/h]	Material	Seals	Tube
Backpressure	1.5 0.5 - 5	-	PVDF	FKM-B EPDM	4x6
Backpressure	1.5 0.5 - 10	-	PVC	FPM EPDM	4x6 8x12
Backpressure HYC	max 10	50	PVC	FPM EPDM	4x6 8x12
Safety HYS	max 10	50	PVC	FPM EPDM	4x6 8x12
Multiple HYM	max 10	50	PVC	FPM EPDM	4x6 8x12
Multifunction	0 - 18 (safety) 0 - 5 (backpressure)	-	PVDF (diaphragm PTFE)	FKM-B EPDM	4x6 8x12

Communication device				
Type	Power supply	Local channels	Manages up to	Network
IrisLink	100 - 240Vac 50/60Hz	Modbus RS485 RTU	1 unit	Wi-Fi

Other accessories					
Type	Pressure [bar]	Flow rate [l/h]	Material	Seals	Tube
Flow switch	1.5 0.5 - 5	-	PVC PVDF PMMA	FKM-B EPDM	4x6 8x12

Motor-Driven Pump Accessories



MOTOR-DRIVEN PUMP ACCESSORIES

Backpressure valve

Model	Max Flow Rate [l/h]	Setting Pressure [bar]	Code	Wetted parts
VSM-S (SS316L)	300	0 - 5	VSM1S03005_A	SS316L/ PTFE
	800		VSM2S08005_A	
	1.500		VSM3S15005_A	

Backpressure / relief valve

Code	Material - xx <small>SS316L PVDF FPM EPDM FPM EPDM</small>	Type - xx (Flanged / Threaded)	Max Flow Rate [l/h]	Pressure [bar]	Fittings
BV XX 103010 Y		F / T	300		DN10
BV XX 208010 Y		F / T	800		DN20
BV XX 408010 Y	21 24 41 44	F	800	0 - 10	ANSI 3/4"
BV XX 315010 Y		F / T	1.500		DN25
BV XX 515010 Y		F	1.500		ANSI 1"

Overpressure valve

Model	Max Flow Rate [l/h]	Setting Pressure [bar]			Code	Wetted parts
		Min	Max	Std		
VS1-S	250	0	19	10	VS1S250019_A	SS316L/ PTFE
		20	45	20	VS1S250045_A	
		46	150	50	VS1S250150_A	

Pulsation damper

Code	Material Body / Diaphragm	Max Pressure [bar]	Nitrogen Volume [l]	Max Precharge [bar]	Fittings
HSTX005_A	SS316L / NBR	150 / 210	105 / 150	150	3/8" BSP
HSTX01_A					1/2" BSP
HSTX035_A					3/4" BSP
HSTX07_A					3/4" BSP
HSTX08_A					3/4" BSP
HSTX15_A					1" BSP
HSTX23_A					1" BSP

Calibration pot

Code SS316L	Code PVDF	Volume [l]	Suggested flow rate [l/h] to calibrate in 30" or more
CP0004B36AA1B	CP0004B96AA1B	0.04	0 - 4.6
CP0050B36CA1B	CP0050B96CA1B	0.5	4.6 - 57
CP0100B36CA0B	CP0100B96CA0B	1	57 - 114
CP0150B36CA0B	CP0150B96CA0B	1.5	114 - 171
CP0300B36EA0B	CP0300B96EA0B	3	228 - 342
CP0500B36EA0B	CP0500B96EA0B	5	342 - 570
CP1000B36FA0B	CP1000B96FA0B	10	570 - 1,140
CP2000B36FA0B	CP2000B96FA0B	20	1,710 - 2,280
CP2500B36FA0B	CP2500B96FA0B	25	2,280 - 2,850

Model	Max Flow Rate [l/h]	Setting Pressure [bar]	Code	Wetted parts
VSM-P (PVC)	300	0 - 5	VSM1P03005_A	PVC/ PTFE
	800		VSM2P08005_A	
	1.500		VSM3P15005_A	

Injection valve

Model	Max Flow Rate [l/h]	Setting Pressure [bar]	Code	Wetted parts
VZX-S (SS316L)	80	2	VZX1S00502_A	SS316L
	100		VZX3S01002_A	
	200		VZX4S02002_A	
	420		VZX5S04202_A	
	800		VZX6S08002_A	
	1,650		VZX7S16502_A	

Model	Max Flow Rate [l/h]	Setting Pressure [bar]			Code	Wetted parts
		Min	Max	Std		
VS2-S	650	0	13	10	VS2S2650013_A	SS316L/ PTFE
		14	30	20	VS2S2650030_A	
		31	150	50	VS2S650100_A	

Code	Material Body / Diaphragm	Max Pressure [bar]	Nitrogen Volume [l]	Max Precharge [bar]	Fittings
HSTPVC005_A	PVC / FPM	10	7	105 / 150	3/8" BSP
HSTPVC01_A					1/2" BSP
HSTPVC035_A					3/4" BSP
HSTPVC07_A					3/4" BSP
HSTPVC15_A					3/4" BSP
HSTPVC15_A					3/4" BSP

Aktua series - linear electric actuator

Code	Description	For Spring pumps series
SAL025M00000	Electric Actuator Aktua Series	All
SA99106004	Installation Interface for Aktua series	MS1A064 / 094
SA99106005		MS1B108
SA99106001		MS1C138 / 165
SA99106002		PS1
SA99106003		R2

Y-Strainer

Code SS316L	Code PVDF	Connection
FYP3240200_A	FYS3240008_A	3/8" BSP
FYP3230040_A	FYS3240100_A	1/2" BSP
FYP3230060_A	FYS3240110_A	3/4" BSP
FYP3230080_A	FYS3240120_A	1" BSP



Dedicated technical support

As a Mytho partner, you enjoy peace of mind courtesy of our after-sales technical support and maintenance service, with a prompt response in the unlikely event of any problems and a generous warranty reflecting the confidence we have in our products.