TAURUS

Electromechanic dosing pumps



SERIES

INJECTA
the perfect dosing

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General Overview



The **Taurus Series** is Injecta's range of motor-driven metering pumps, based on the proven spring return mechanism.
With a wide selection of models offering different performance levels, the Taurus Series provides the ideal solution for virtually any dosing application, ensuring accurate and reliable chemical dosing even under varying system pressure conditions.

Each model can be configured with different stroke rates and is available with either **single-phase or three-phase motors,** both featuring **IP55** protection.

The drive mechanism, enclosed in a **robust aluminium housing,** converts the motor's rotary motion into the reciprocating movement of the piston, ensuring high dosing accuracy, reliability, and continuous operation.
In addition, the **wide range of hydraulic-end construction materials** ensures compatibility with the vast majority of chemical products.

Product Range

		TP15	TP25	TM	TM07	TMP1	TMP2
							
Performance	Flow rate range [l/h]	1.5 - 304	40 - 1,000	5,5 - 1,200	10 - 120	9 - 530	80 - 2,300
	Pressure [up to - bar]	20	20	16	5	12	10
Installation method	Base-mounted	•	•	•	•	•	•
	Base bracket	•	•	•			
	Tank bracket	•	•	•			
Motor	3-phase	•	•	•	•	•	•
	1-phase	•	•	•			
	Servo-ventilated	•	•	•	•	•	•
Stroke length adjustment	Manual	•	•	•	•	•	•
	Electric actuator	•	•	•			
Pump head (FPM and EPDM seals)	PVC	•	•	•			
	PP			•			
	PVDF			•	•	•	•
	SS316L	•	•	•	•	•	•
Special pump head	SS316L NBR + PTFE piston seals	•					
Proportional dosing	External signal						
Communication	Wi-Fi						
	Modbus						

Applications



Chemical and
Electroplating Processes



Cooling Towers



Reverse Osmosis



Industrial Water Treatment



Drinking Water
Treatment



Wastewater
Treatment

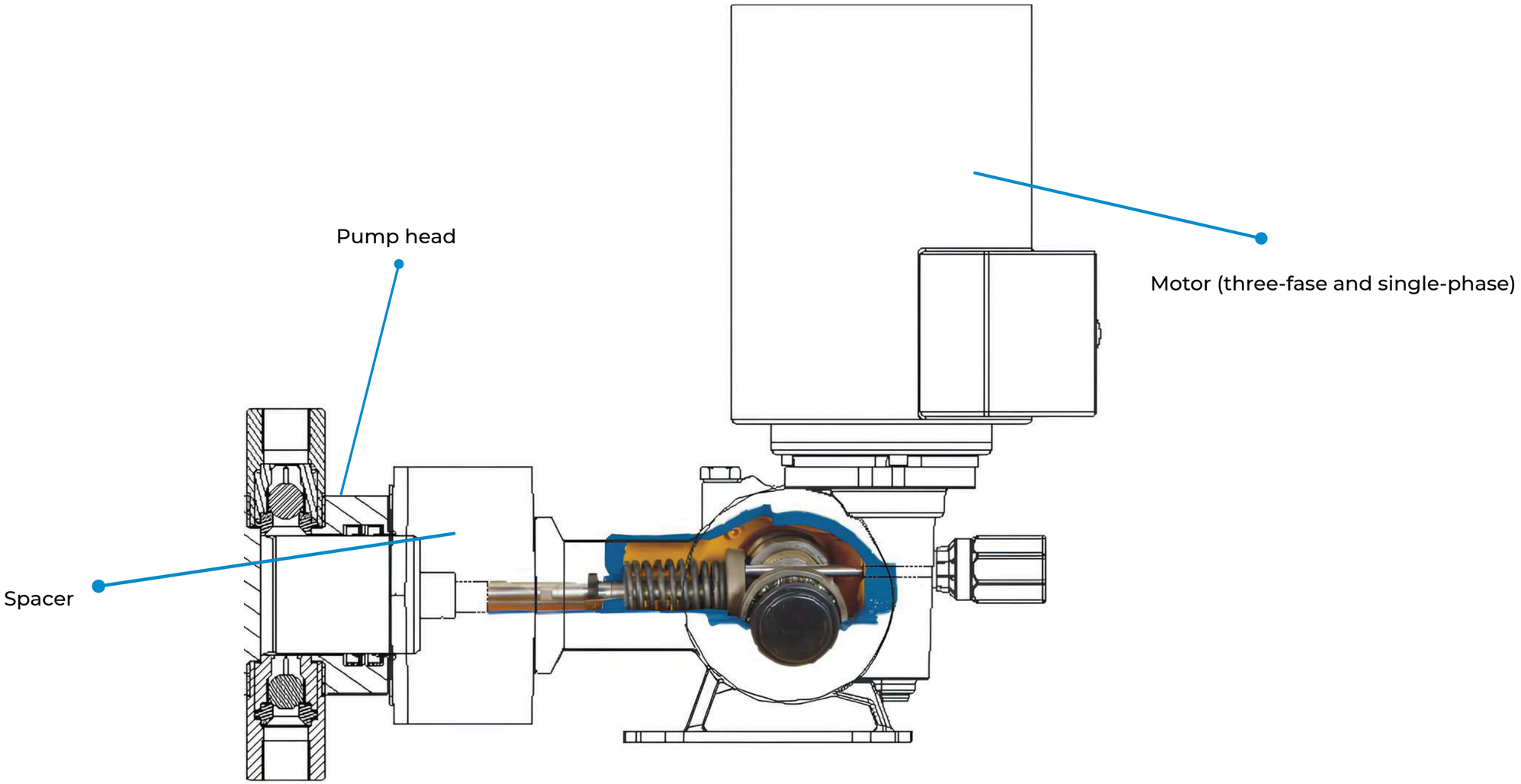


Fertigation



Pulp & Paper and
Textile Industries

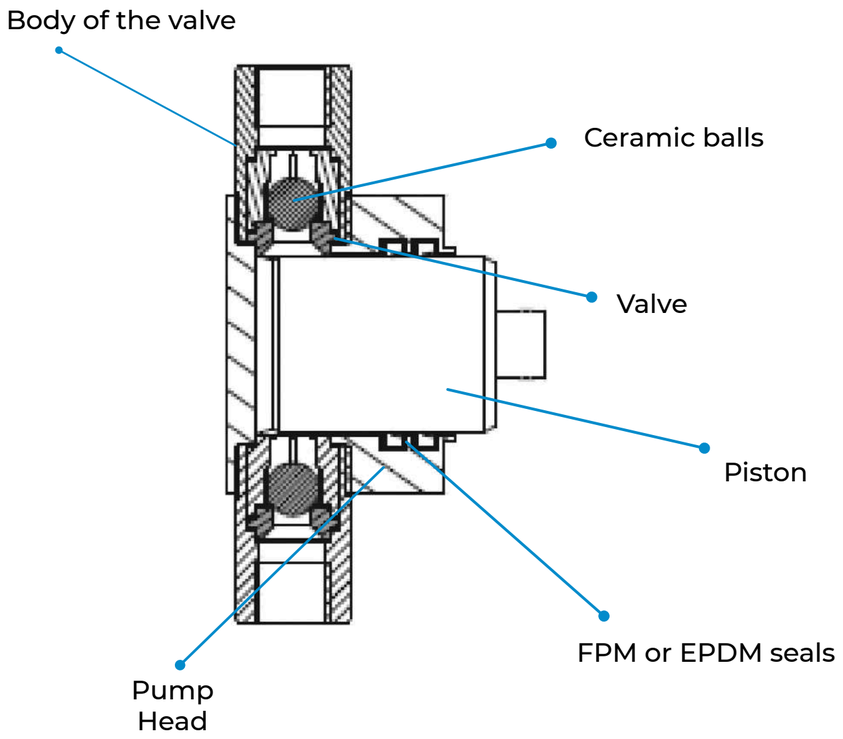
Components



Piston and Diaphragm

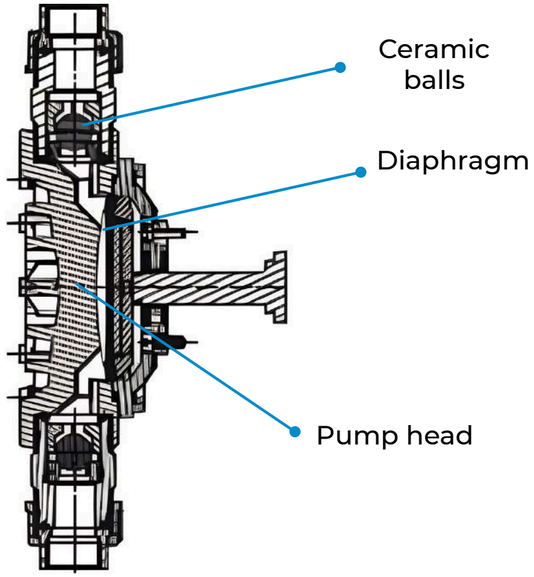
PISTON

- SS316 or PVC pump head
- SS316 or ceramic piston
- FPM or EPDM seals



DIAPHRAGM

- SS316, PP, PVDF or PVC pump head
- PTFE Diaphragm
- FPM or EPDM seals



TP 15 PISTON VERSION



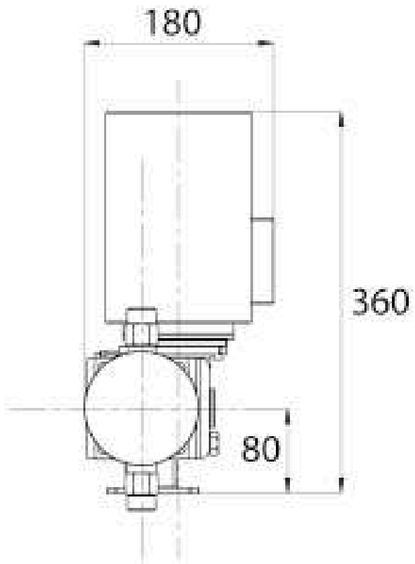
The **TP15** is a spring-return piston metering pump designed to deliver outstanding **accuracy, reliability, and versatility** across a wide range of industrial dosing applications.

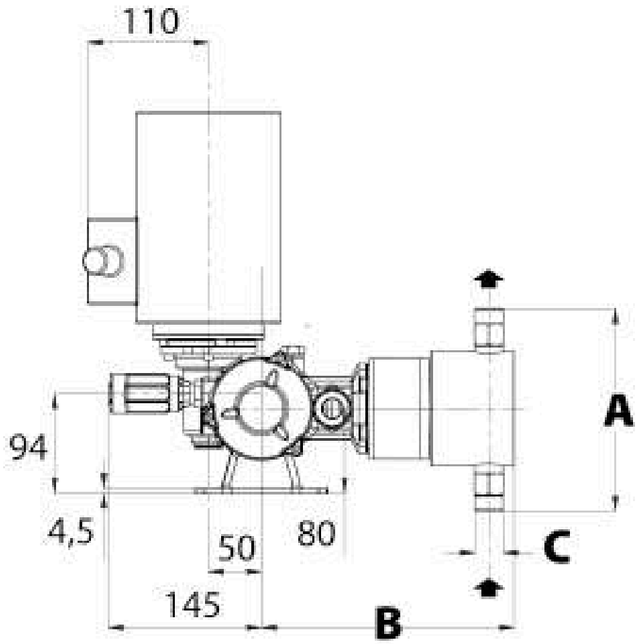
Thanks to its modular design, it can be easily adapted to different system requirements, ensuring consistent performance even under the most demanding operating conditions.
With a flow rate ranging from **1.5 to 304 l/h** and a maximum operating pressure of **up to 20 bar**, the TP15 is the ideal solution for dosing chemicals, reagents, and process fluids requiring high accuracy and continuous operation.

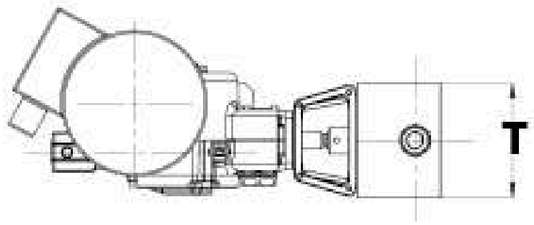
Parameter	Specifications
Stroke length	15mm
Flow rate	1,5-304 lt/h
Max. pressure	20 bar
Stroke frequency	58-116
Standard motor	0,18kW – 0,25 kW, IP55
Piston diameter	6-64 mm

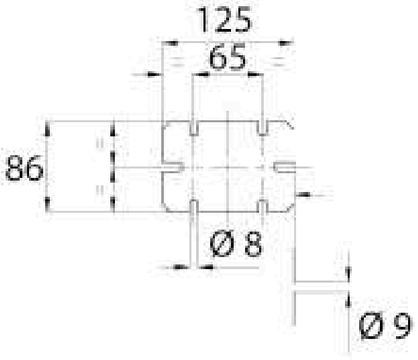
	AF	PF	AC	CE	AE	PC	PE
PUMP HEAD	SS316	PVC	SS316	SS316	SS316	PVC	PVC
PISTON	SS316	CERAMIC	CERAMIC	CERAMIC	SS316	CERAMIC	CERAMIC
PISTON SEALS	FPM	FPM	FPM	EPDM	EPDM	FPM	EPDM
VALVES	SS316	CERAMIC	SS316	SS316	SS316	SS316	CERAMIC
VALVES SEATS	SS316	PTFE	SS316	SS316	SS316	SS316	PTFE

TP 15 DIMENSIONS









TP 25 PISTON VERSION



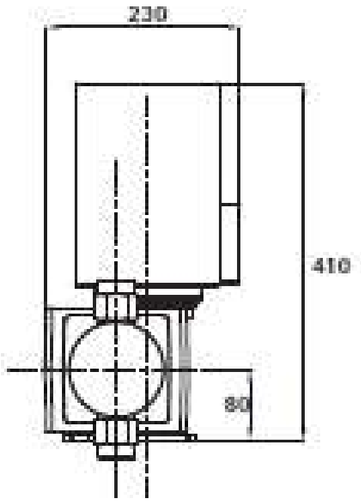
The TP25 is a spring-return piston metering pump designed to deliver high flow rates, outstanding accuracy, and reliable performance in the most demanding industrial applications.

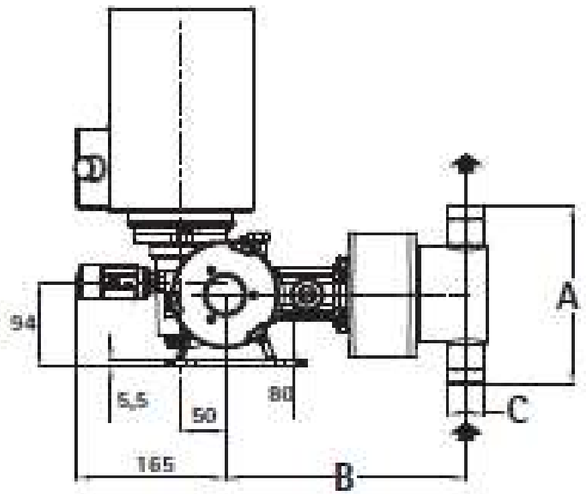
With a flow rate ranging from **40 to 1,000 l/h** and a maximum operating pressure of **up to 20 bar,** it offers a wide range of configuration options to meet different dosing requirements. The pump is available with either **single-phase or three-phase electric motors**, both featuring IP55 protection, ensuring reliable performance even in harsh industrial environments.
Also available in a high-pressure version, the TP25 can operate against back pressures of up to 100 bar.
The wetted materials provide excellent chemical resistance and ensure long service life, even when handling aggressive process fluids.

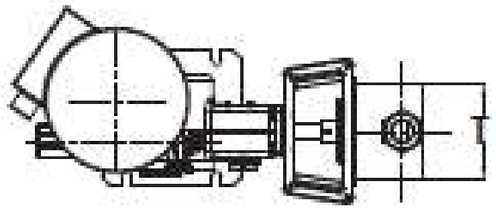
Parameter	Specifications
Stroke length	15mm
Flow rate	40-1000 lt/h
Max. pressure	20 bar
Stroke frequency	58-116
Standard motor	0,37kW – 0,55 kW-0,75 kW, IP55
Piston diameter	25-89 mm

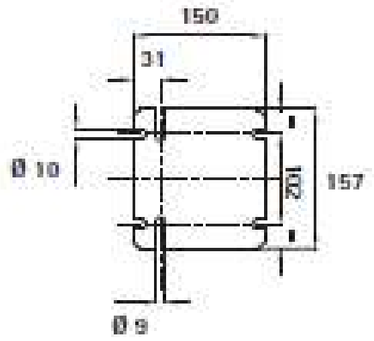
	AF	PF	AC	CE	AE	PC	PE
PUMP HEAD	SS316	PVC	SS316	SS316	SS316	PVC	PVC
PISTON	SS316	CERAMIC	CERAMIC	CERAMIC	SS316	CERAMIC	CERAMIC
PISTON SEALS	FPM	FPM	FPM	EPDM	EPDM	FPM	EPDM
VALVES	SS316	CERAMIC	SS316	AISI316	SS316	SS316	CERAMIC
VALVES SEATS	SS316	PTFE	SS316	SS316	SS316	SS316	PTFE

TP 25 DIMENSIONS









TP 25 HP

PISTON VERSION



The **TP25 HP** is a piston metering pump designed for applications requiring low flow rates at high pressures.
With a flow rate from **1.5 to 12 l/h** and a maximum operating pressure of **up to 100 bar**, it provides a reliable solution for the most demanding industrial processes.

Equipped with a robust spring-return mechanism and a pump head specifically designed for high-pressure applications, it ensures outstanding accuracy, durability, and operational safety.
The stroke length is manually adjustable via a dedicated control knob, and the pump is supplied as standard with a **three-phase motor**.
The wetted materials provide excellent chemical resistance, making the TP25 HP ideal for applications such as boiler water treatment and other high-pressure dosing processes.

Parameter	Specifications
Stroke length	25mm
Flow rate	1,5 – 6 - 12 lt/h
Max. pressure	100 bar
Stroke frequency	58-116
Standard motor	0,55kW three-phase motor, IP55
Piston diameter	25-89 mm
Pump head material	SS316

TM 2-4-6 DIAPHRAGM VERSION



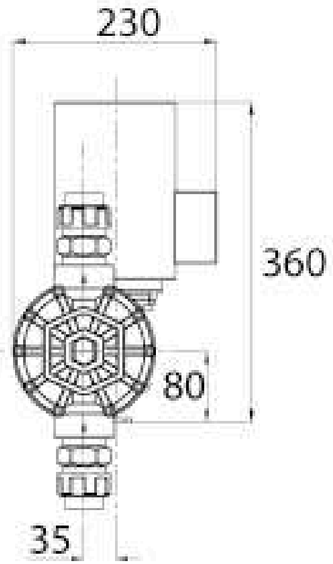
The **TM2, 4, 6** are mechanical diaphragm metering pumps designed to provide accurate dosing, maximum safety, and completely leak-free operation.

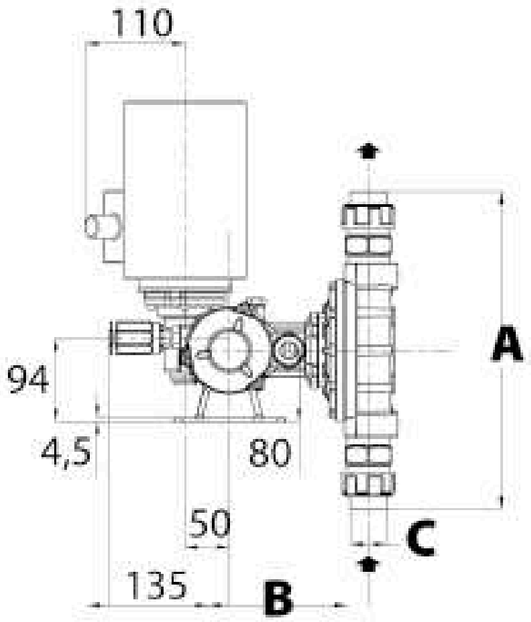
With flow rates ranging from **5.5 to 460 l/h** and operating pressures of **up to 10 bar**, they are the ideal solution for applications where preventing chemical leakage is essential.
Available with a wide range of pump head configurations, stroke lengths, materials, and motor options, they can be tailored to meet the specific requirements of any dosing system.

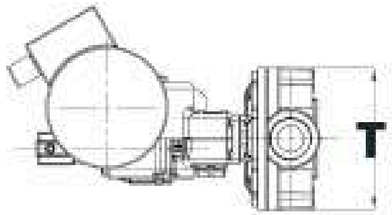
Parameter	Specifications
Stroke length	2-4-6 mm
Flow rate	5,5-1,200 lt/h
Max. pressure	10 bar
Stroke frequency	58-78-116
Standard motor	0,18kW – 0,25 kW, IP55
Diaphragm diameter	65-165 mm

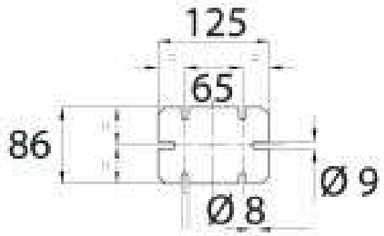
	AF	PF	PP	VF	PA
PUMP HEAD	SS316	PVC	PP	PVDF	PP
DIAPHRAGM	PTFE				
VALVES	SS316	CERAMIC	CERAMIC	CERAMIC	SS316
VALVES SEATS	SS316	PTFE	PTFE	PVDF	SS316

TM 2-4-6 DIMENSIONS









TM 07 DIAPHRAGM VERSION



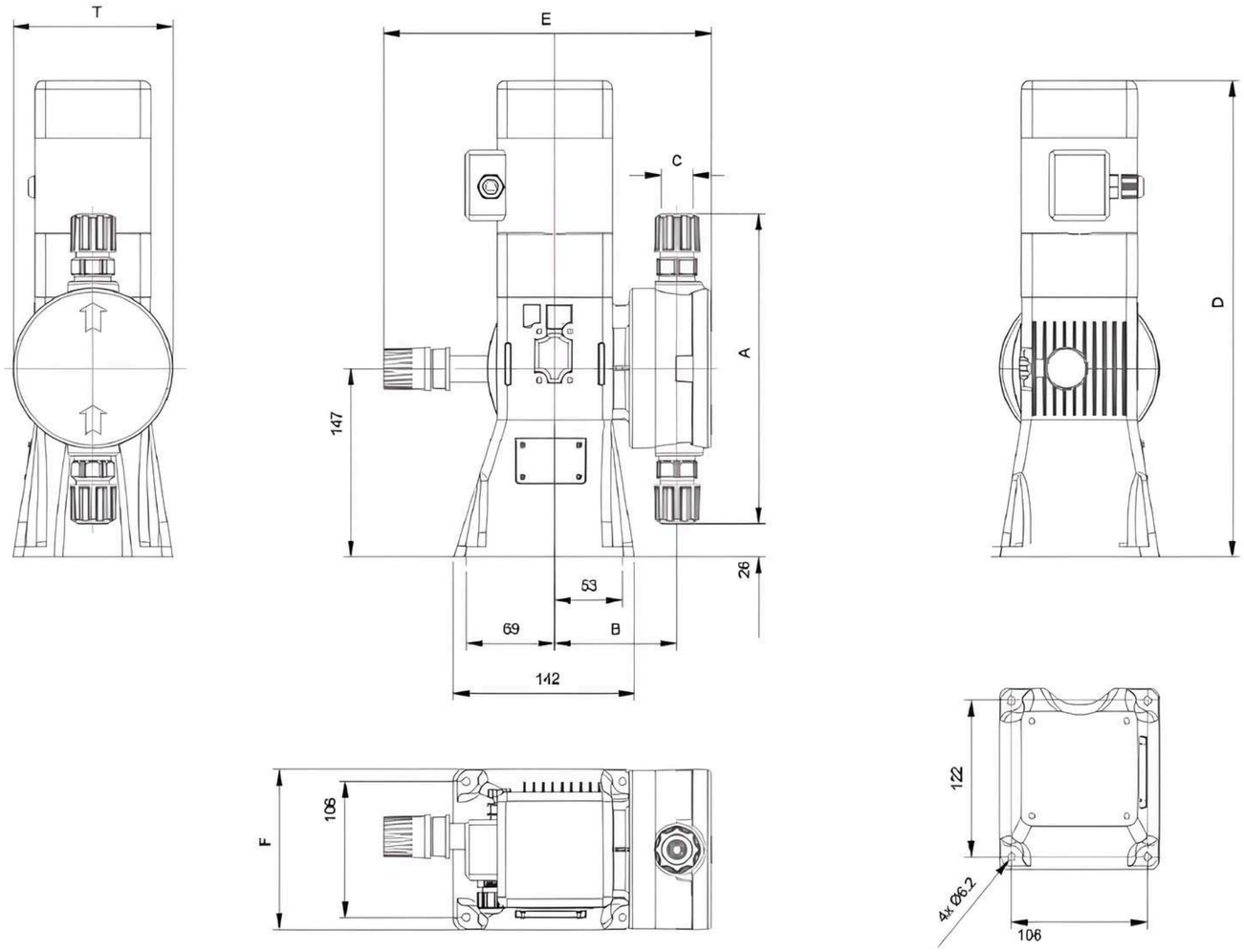
The **TM07** is a mechanical diaphragm metering pump designed to deliver **accurate, reliable, and continuous dosing** across a wide range of industrial and water treatment applications.
Thanks to its robust mechanical design, it is the ideal solution for users seeking high performance, long service life, and low operating costs.

Equipped with an innovative mechanical spring-return diaphragm drive system, the TM07 ensures stable, quiet, and highly accurate operation, even under the most demanding operating conditions. Its compact design simplifies installation while optimizing the available space, particularly in systems where multiple pumps are installed in parallel.

With an adjustable flow rate from **10 to 120 l/h** and a maximum operating pressure of **up to 5 bar,** the TM07 offers exceptional versatility for dosing chemicals, reagents, process liquids, and suspensions.
The wetted materials provide excellent chemical resistance and ensure long-term reliability, even when handling aggressive fluids.

Parameter	Specifications
Stroke length	5 mm
Flow rate	10-120 lt/h
Max. pressure	3 - 5 bar
Stroke frequency	26-43-86-130-144
Standard motor	0,06kW, IP55
Diaphragm diameter	70 mm
Mechanism	Spring return
Pump casing	PP
Pump head	SS316 or PVDF

TM 07 DIMENSIONS



TMP1 -TMP2

DIAPHRAGM VERSION



TMP1

Mechanical diaphragm metering pump with spring-return mechanism, designed to ensure accurate dosing, reliable performance, and continuous operation even in the most demanding applications.
With a flow rate from **9 to 530 l/h** and a maximum operating pressure of **up to 12 bar**, it is the ideal solution for dosing chemicals and process fluids.

Parameter	Specifications
Stroke Length	2 / 4 / 6,4 / 7,4 mm
Flow Rate	9 – 530 l/h
Max. pressure	up to 12 bar
Stroke frequency	116-78-156
Standard motors	0,25 / 0,37 kW IP55
Diaphragm Diameter	65/96/124 mm
Pump Head Material	SS316 or PVDF

TMP2

Mechanical diaphragm metering pump with spring-return mechanism, designed for high-flow industrial applications requiring reliability, accuracy, and continuous operation.
With a flow rate of **up to 2,300 l/h** and a maximum operating pressure of **up to 10 bar,** it is the ideal solution for the most demanding chemical dosing and process fluid applications.

Parameter	Specifications
Stroke Length	7 / 8 / 9 / 15 mm
Flow Rate	up to 2.300 l/h
Max. pressure	up to 10 bar
Stroke frequency	43 / 86 / 131 / 175
Standard motors	0,55 / 0,75 / 1,1 kW IP55
Diaphragm Diameter	124 / 140 / 157 / 179 mm
Pump Head Material	SS316 or PVDF

Atlanta



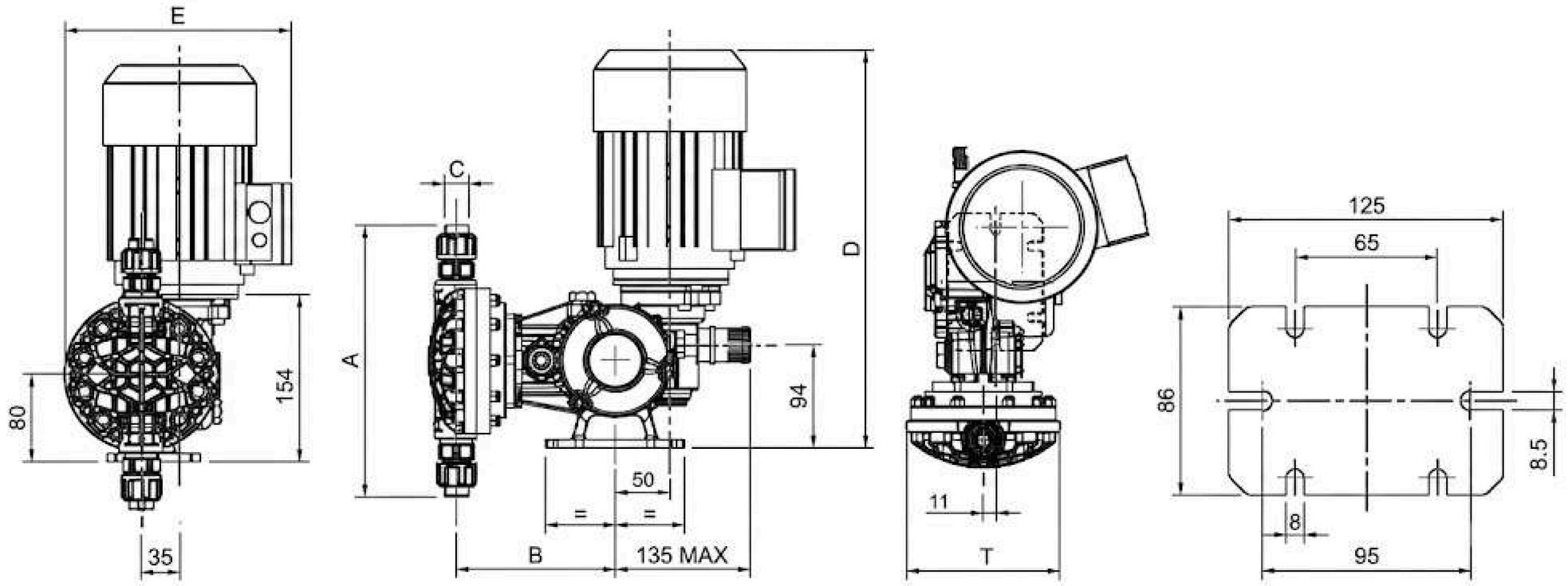
The **Atlanta Series** enhances the performance of the Taurus electromechanical dosing pumps thanks to the integration of an **inverter motor**, which ensures precise speed control and optimized dosing management.
The **backlit LCD display** makes programming simple and intuitive, while the operating modes — manual, batch, timed, ppm, and proportional control via analog (mA) or digital signals — provide maximum operational flexibility.

Parameter	Specifications
Operating Modes	Timed, batch, manual, and proportional operation via analog or digital signals
Available Materials	Wide choice of materials: SS 316, PVDF, PP
Power Supply	Available with single-phase power supply

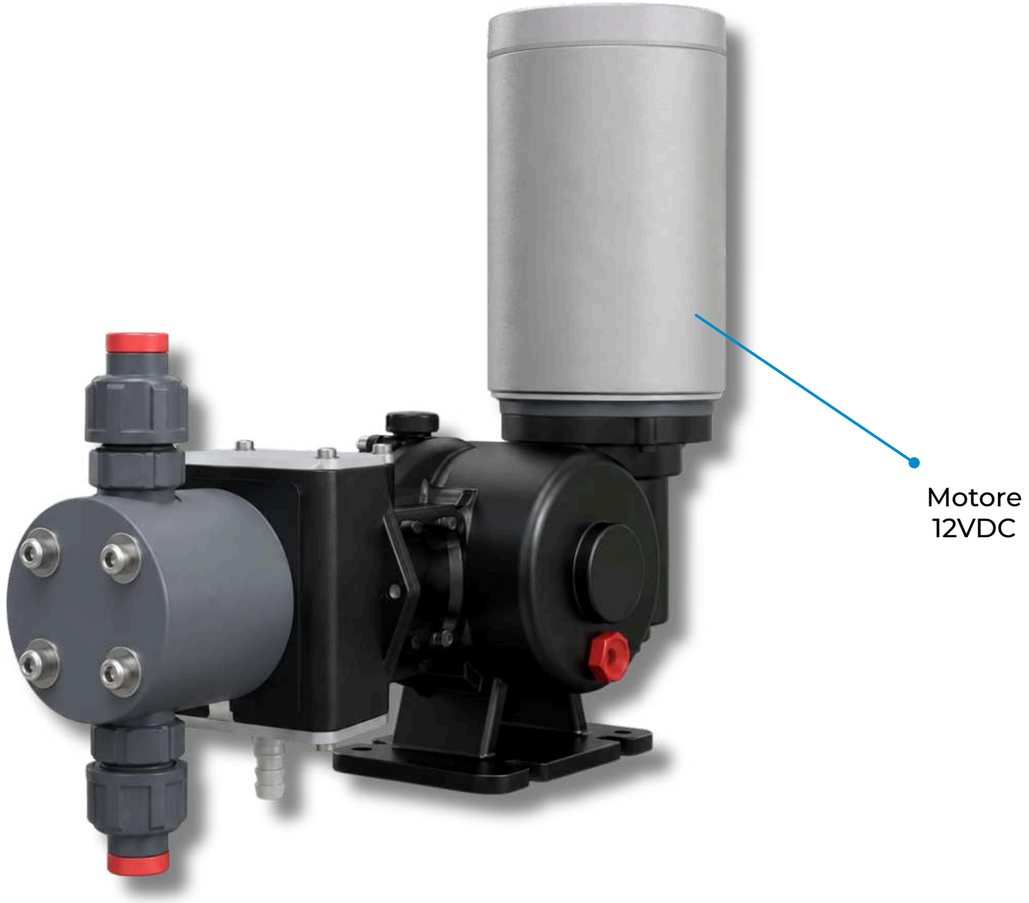
Model	Stroke Length	Maximum Pressure	Flow Rate
Atlanta TM	2 mm / 4 mm / 6 mm	Up to 16 bar	Up to 1,200 lt/h
Atlanta TP 15	15 mm	Up to 20 bar	Up to 304 l/h
Atlanta TP 25	25 mm	Up to 20 bar	Up to 1000 l/h

Atlanta

DIMENSIONS



TP 12VDC - TM 12VDC



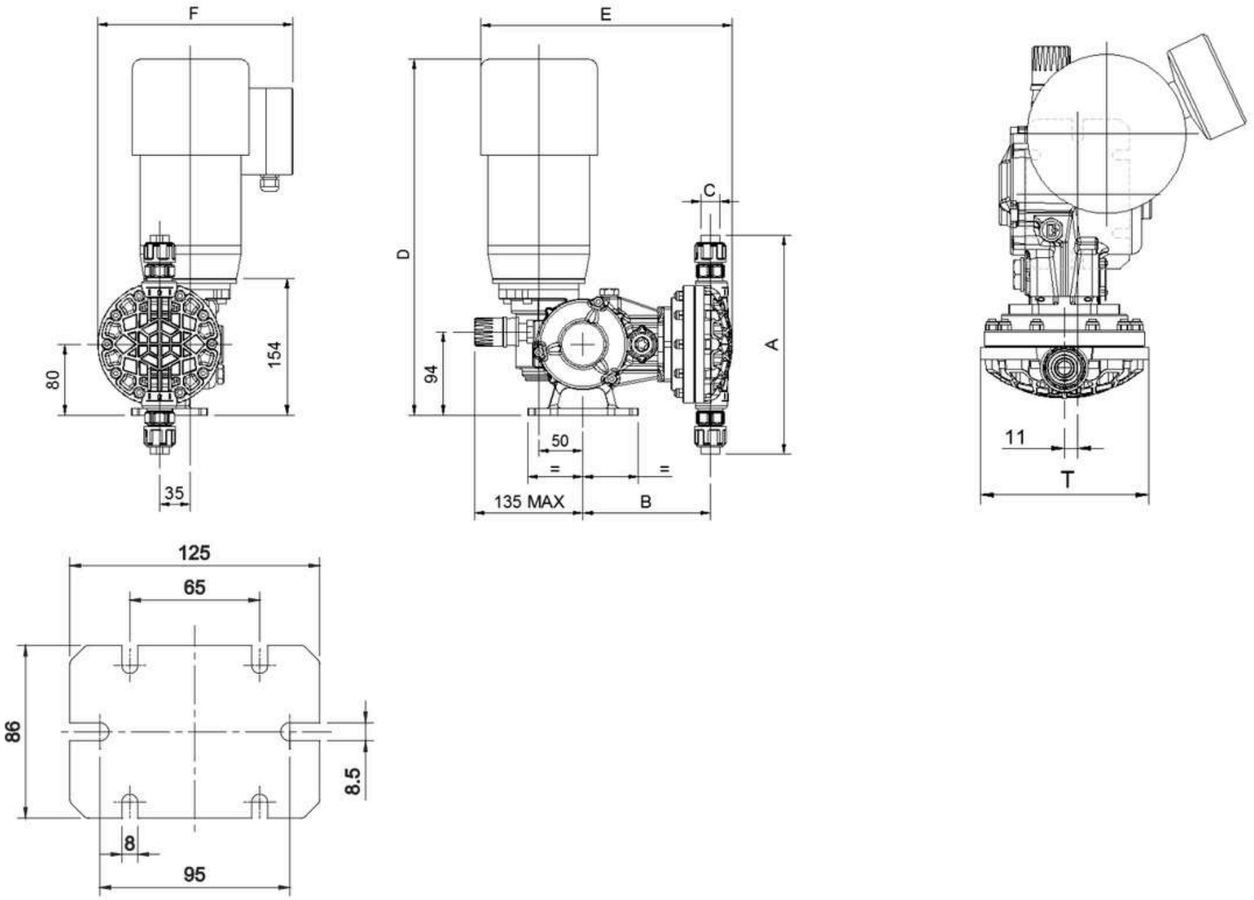
Piston/diaphragm dosing pumps with 12VDC motor

- The pump can be powered by solar panels

Parameter	Specifications
Flow Rate	23–620 l/h
Maximum Pressure	Up to 20 bar (145 psi)
Motor Power	0.40 kW
Stroke Frequency	58 – 78 – 116 strokes/min
Stroke Length	2 – 4 – 6 – 15 mm
Diaphragm Diameter	64–165 mm
Piston Diameter	25–54 mm
Pump Head Materials	SS316L (stainless steel), PP, PVC, PVDF
Maximum Fluid Temperature	40 °C (SS316L, PP, PVC, PVDF)

TP 12VDC - TM 12VDC

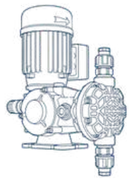
DIMENSIONS



Dosing Units

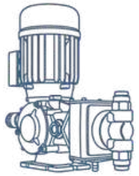


Designed to ensure maximum efficiency and operational safety, these compact units seamlessly integrate high chemical-resistance tanks with state-of-the-art dosing pumps (electromagnetic or motor-driven) and customizable mixers.



TAURUS TM

- Flow rate 5.5–460 l/h
- Pressure 2–10 bar



TAURUS TP

- Flow rate 1.5–1000 l/h
- Pressure 5–20 bar



MIXERS

- Shaft in PVC/SS316L (various sizes available)
- Impeller in PVC/SS316L (various diameters available)

Example of installation

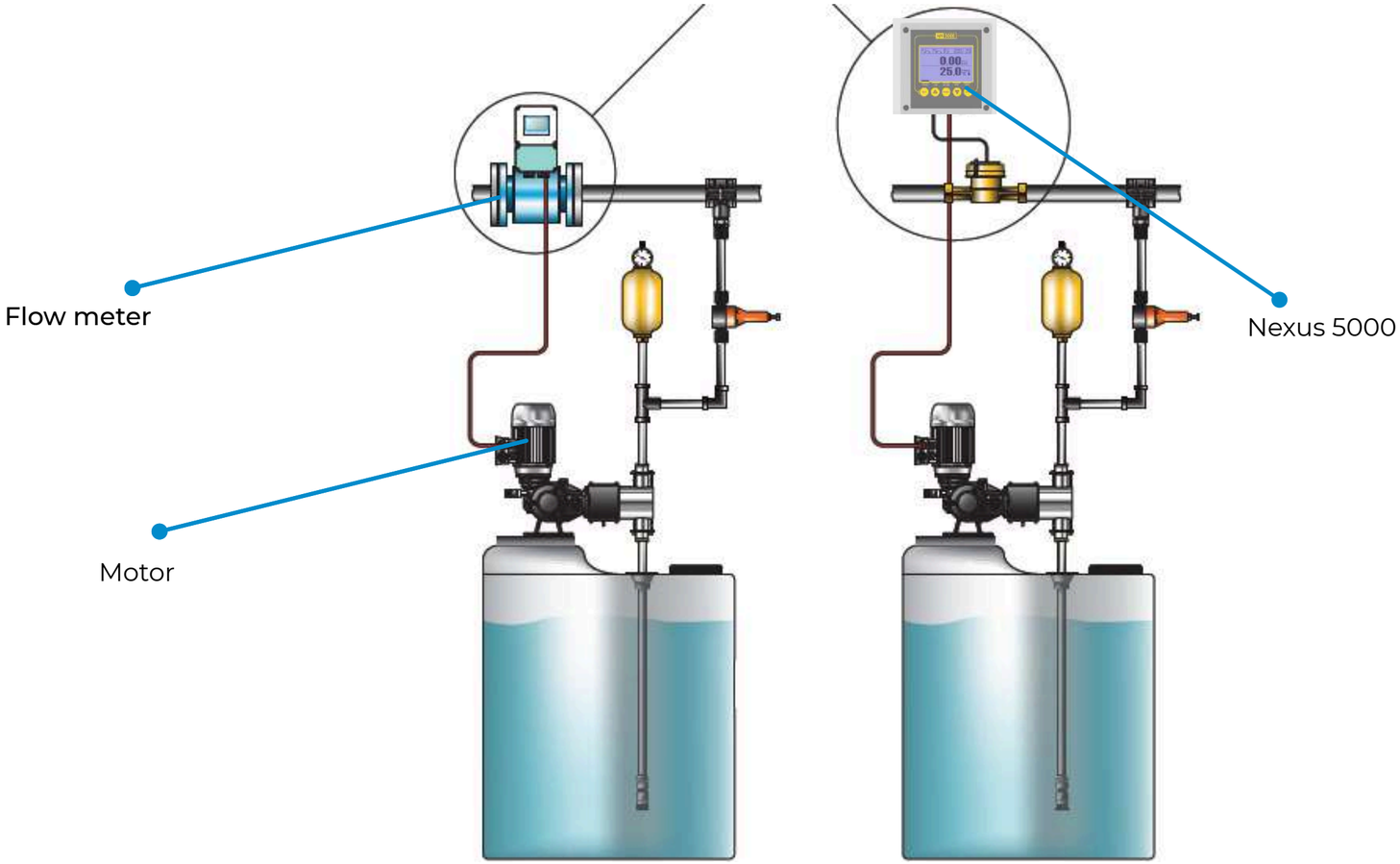


FIG. A **FIG. B**

Accessories



PULSATION DAMPENER



PVC PULSATION DAMPENER



PVC FOOT VALVE



SS FOOT VALVE



ADJUSTABLE SAFETY VALVE



ADJUSTABLE BACK-PRESSURE VALVE



PVC INJECTION VALVE



SS BACK-PRESSURE VALVE

Accessories



TANK MOUNTING BRACKET



PVDF FOOT VALVE



PVDF INJECTION VALVE





ADJUSTABLE BACK PRESSURE / PRESSURE RELIEF VALVE (PVDF/FPM/EPDM/AISI)

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INJECTA
the perfect dosing