

PRODUCT LIST 2026
FOR INDUSTRIAL USE

A circular inset image showing industrial water treatment equipment. It features blue structural frames, various pipes, valves, and cylindrical components, likely part of a filtration or dosing system.

Analysis Instruments and Dosing Systems for Water Treatment



Tailored for you.

Expert, attentive and competent: we have been taking care of water for more than 50 years, and do it with passion.

Water is not just our element, it is our mission.

At STEIEL, we design and manufacture **analysis instruments, measurement sensors, and dosing systems** for the treatment of all types of water, offering precise and reliable solutions.

We were among the pioneers in Italy in understanding the importance of a **personalized** approach. For this reason, each of our products is tailored to our customers' specific application needs.

Our team is the heart of STEIEL:

- Highly qualified electronic and mechanical **designers** create innovation.
- **Specialized technicians** provide field support for start-ups, maintenance, and assistance.
- Marketing and back-office professionals handle every customer request.
- **Technical and sales representatives** anticipate market needs, always at your side.

yes, we watercare!

We can treat all types of water.

Since 1973, STEIEL has been designing and manufacturing complete systems for the analysis and adjustment of key physical-chemical parameters for water treatment.

Our range includes measuring instruments, chemical dosing pumps, electromechanical mixers, sensors, probe holders, and ready-to-use solutions, factory-assembled and wired.

Products suitable for a **wide range of industrial sectors**, as the treatment of process water, automatic blow-down of cooling towers, sanitization in the agri-food industry, potabilization control, Legionella prevention in DHW circuits, disinfection in livestock sector, control of galvanic baths and RO plants, and much more.

Contact us for a **personalized assessment!**



Analysis Instruments

EVOLUTION EQ Line.....	page 6
EVOLUTION EQ Plus Line.....	8
EVOLUTION EQ ² Plus Line	10
EVOLUTION EW Line.....	14
EVOLUTION EW ² Line.....	16
easy+fix Installation System	20
SteieLynx - Gateway & Web App	22
Ready-to-use Control Systems.....	24
Automatic Blowdown Systems for Cooling Towers	26
Legionella Prevention Systems	28
C902 Conductivity Meter.....	30
S504 Series - Control Units for DIN Slot Mounting	30
MC14 EVO Multi-Channel Control Units.....	31
PRG11 Programmer for RO Plants	32
Water Hardness Analyzers	33



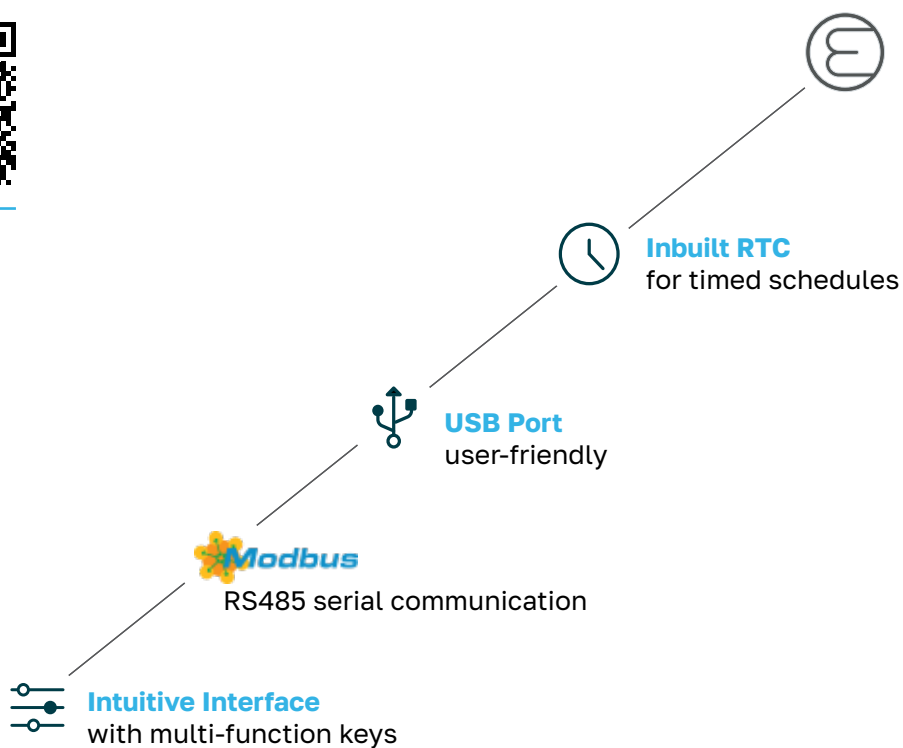
ⓔ EVOLUTION EQ LINE

SINGLE-CHANNEL
DIGITAL UNITS.
PANEL MOUNTING.





[More info](#)



IN

- 1x Measurement sensor
- 1x PT100 / PT1000
- 1x Pause / Consent



OUT

- 2x Adjustment (On-Off / PWM)
- 1x 0/4-20 mA
- 1x Alarm relay

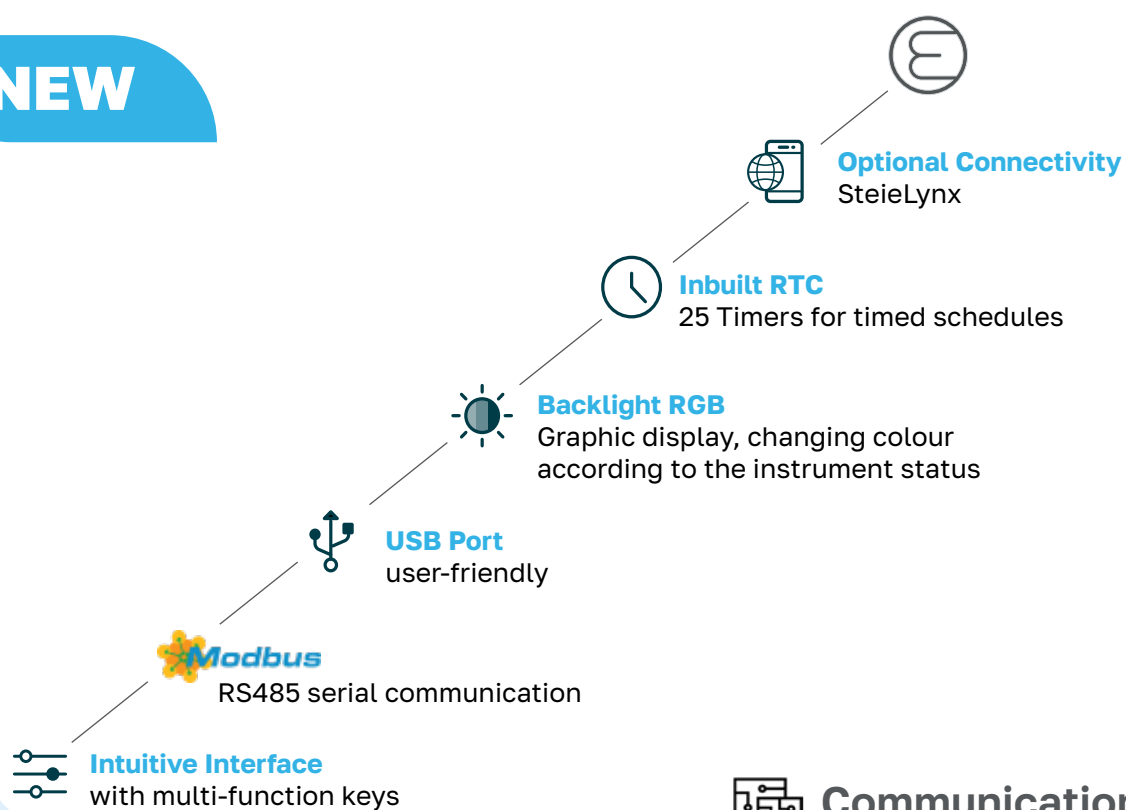
+ Models with 100-240 V or 12/24 V power supply.

+ USB port for parameters configuration, data saving and firmware upgrading.

Ⓔ EVOLUTION EQ Plus LINE

SINGLE-CHANNEL
DIGITAL UNITS.
PANEL MOUNTING.



NEW

Communication

- **Modbus RTU** Protocol
- **TCP/IP** Protocollo
- **SteieLynx** Remote control system

IN

- 1x Measurement sensor
- 1x PT100 / PT1000
- 1x Pause / Consent
- 2x Level sensors
- 1x ECO/Boost Mode
- 1x Sample Water
- 1x Water Meter



OUT

- 2x Adjustment (On-Off / PWM)
- 2x PFM Control
- 1x 0/4-20 mA
- 1x Alarm relay

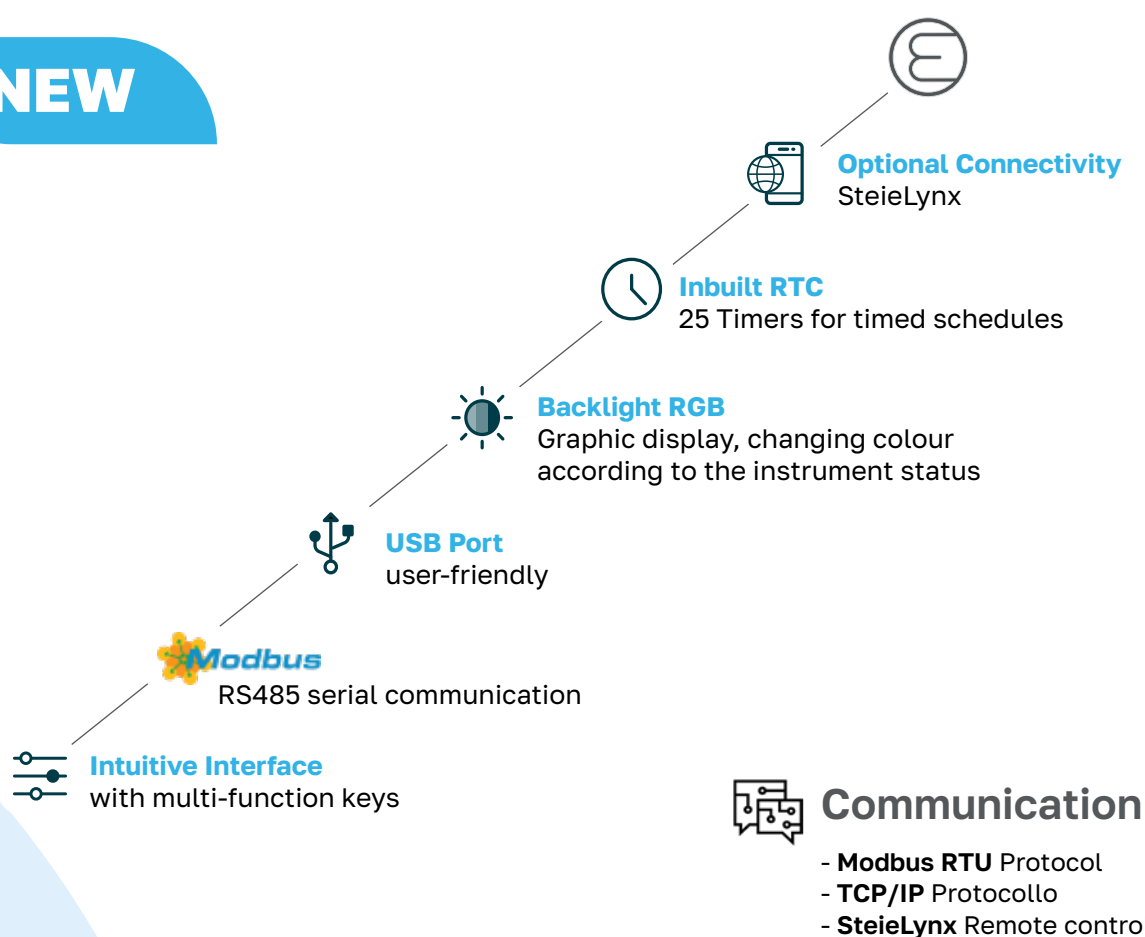
+ **Auto-Clean** function.

+ USB port for parameters configuration, data saving and firmware upgrading.

ⓔ EVOLUTION EQ² Plus LINE

DUAL CHANNEL
DIGITAL UNITS.
PANEL MOUNTING.



NEW**IN**

2x Measurement sensors
 1x PT100 / PT1000
 1x Pause / Consent
 4x Level sensors
 1x Sample Water
 1x Water Meter

**OUT**

4x Adjustment
(On-Off / PWM)
 4x PFM Control
 2x 0/4-20 mA
 1x Alarm relay

+ **Auto-Clean** function.

+ USB port for parameters configuration, data saving and firmware upgrading.

EVOLUTION LINE PANEL-MOUNTED

- **Measurement inputs:**
 - **Single-channel EQ series** with one mV/mA input for pH / ORP electrode / mA signal ([user-selectable via software](#)) or conductivity input
 - **Single-channel EQ Plus series** with one mV/mA input for pH / ORP electrode / amperometric sensor / mA signal ([user-selectable via software](#)) or conductivity input
 - **Dual channel EQ² Plus series** with two equal or different inputs, mV/mA for pH / ORP electrode / amperometric sensor / mA signal ([user-selectable via software](#)) and conductivity
- Input for Pt100 or Pt1000 sensor, with **automatic detection** of sensor type; for temperature measurement and thermo-compensation of the main reading
- **User-friendly interface** featuring intuitive configuration menu and four multi-function keys
- Three-level configuration, protected by three-level passwords
- Pause contact to disable all outputs
- Alarm relay output, configurable by the user
- **Inbuilt RTC** for timed schedules and date/time labelling of data/events
- **USB port** for parameters' configuration saving/uploading, data downloading and system upgrading
- Protection rate: IP52 with front protection cover (optional)
- Power supply: 100-240 V~ (upon request, 12 V- / 24 V-/~)

	EQ	EQ PLUS	EQ ² PLUS
pH/ORP/mA Input	✓	✓	✓
Input for amperometric sensor	-	✓	✓
Conductivity input	✓	✓	✓
Visual indication	Bicolour LED	Backlight RGB	Backlight RGB
Contact-type control outputs	2x On-Off/PWM	2x On-Off/PWM	4x On-Off/PWM
Pulse-type control outputs	-	2x PFM	4x PFM
0/4-20 mA Output	1	1	2
Sample Water input	-	1	2
Water Meter input	-	✓	✓
Input for level sensor	-	2	4
ECO/Boost Mode input	-	✓	-
Auto-clean function	-	✓	✓
Modbus RTU Communication	✓	✓	✓
TCP/IP Communication	-	Optional	Optional
SteieLynx connectivity	-	Optional	Optional
Casing dimensions (mm)	96 x 96 x 115	144 x 144 x 150	144 x 144 x 150
Drilling template (mm)	90 x 90	135 x 135	135 x 135

ITEM	DESCRIPTION	PART NO.
EQ mV/mA	Single-channel model, casing 96x96, pH/ORP/mA input + Pt100; Modbus RTU communication; 100-240V	83Q0010U
EQ CO	Single-channel model, casing 96x96, input for conductivity probe + Pt100; Modbus RTU communication; 100-240V	83Q0020U
EQ Plus mV/mA	Single-channel model, casing 144x144, selectable input for pH/ORP electrode / amperometric sensor/ mA signal + Pt100; Modbus RTU communication; 100-240V	83Q1010U
EQ Plus CO	Single-channel model, casing 144x144, input for conductivity probe + Pt100; Modbus RTU communication; 100-240V	83Q1020U
EQ ² Plus 2x mV/mA	Dual channel model, casing 144x144, two selectable inputs for pH/ORP electrode / amperometric sensor/ mA signal + Pt100; Modbus RTU communication; 100-240V	83Q2011U
EQ ² Plus 2x CO	Dual channel model, casing 144x144, two selectable inputs for conductivity probe + Pt100; Modbus RTU; 100-240V	83Q2022U
EQ ² Plus mV/mA + CO	Dual channel model, casing 144x144, one selectable input for pH/ORP electrode / amperometric sensor / mA signal + one input for conductivity probe + Pt100; Modbus RTU; 100-240V	83Q2012U
TCP/IP	Optional TCP/IP communication (only for EQ Plus / EQ ² Plus)	-
	Front transparent cover for IP52 protection, for casing 96x96 mm	49000517
	Front transparent cover for IP52 protection, for casing 144x144 mm	49000514



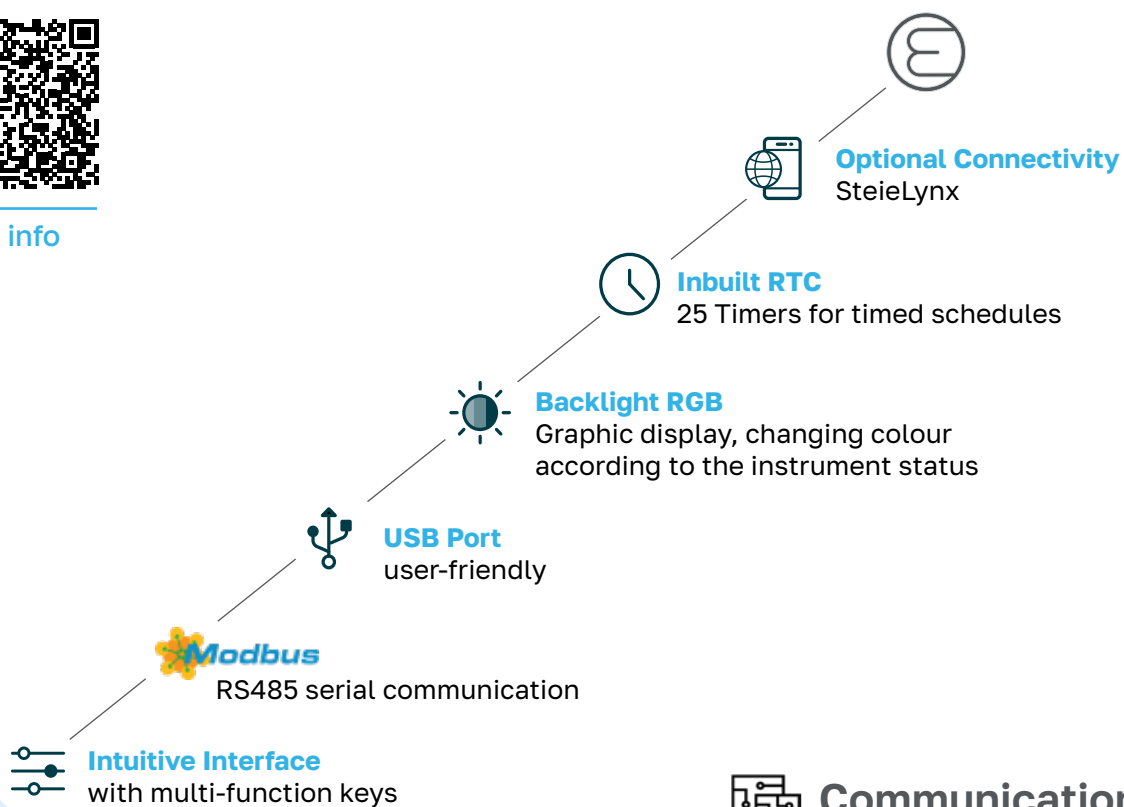
EVOLUTION EW LINE

SINGLE-CHANNEL
DIGITAL UNITS.
WALL MOUNTING.





[More info](#)



Communication

- **Modbus RTU** Protocol
- **TCP/IP** Protocollo
- **SteieLynx** Remote control system

IN

- 1x Measurement sensor
- 1x PT100 / PT1000
- 1x Pause / Consent
- 2x Level sensors
- 1x ECO/Boost Mode
- 1x Sample Water
- 1x Water Meter



OUT

- 2x Adjustment
(On-Off / PWM)
- 2x PFM Control
- 1x 0/4-20 mA
- 1x Alarm relay

+ **Auto-Clean** function.

+ USB port for parameters configuration, data saving and firmware upgrading.

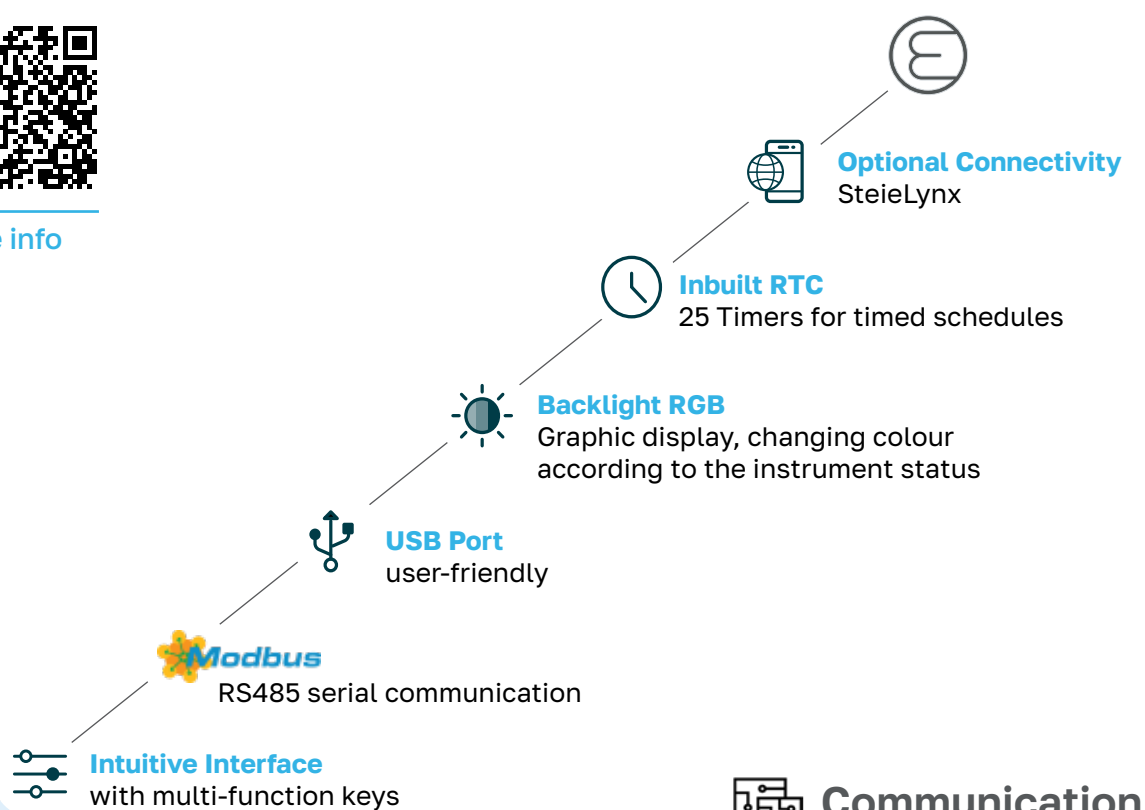
EVOLUTION EW² LINE

DUAL CHANNEL
DIGITAL UNITS.
WALL MOUNTING.





[More info](#)



Communication

- **Modbus RTU** Protocol
- **TCP/IP** Protocollo
- **SteieLynx** Remote control system

IN

- 2x Measurement sensors
- 1x PT100 / PT1000
- 1x Pause / Consent
- 4x Level sensors
- 1x Sample Water
- 1x Water Meter



OUT

- 4x Adjustment (On-Off / PWM)
- 4x PFM Control
- 2x 0/4-20 mA
- 1x Alarm relay

+ **Auto-Clean** function.

+ USB port for parameters configuration, data saving and firmware upgrading.

EVOLUTION LINE WALL INSTALLATION

- **Measurement inputs:**
 - **Single-channel EW series** with one mV/mA input for pH / ORP electrode / amperometric sensor / mA signal ([user-selectable via software](#)) or conductivity input
 - **Dual channel EW² series** with two equal or different inputs, mV/mA for pH / ORP electrode / amperometric sensor / mA signal ([user-selectable via software](#)) and conductivity
- Input for Pt100 or Pt1000 sensor, with **automatic detection** of sensor type; for temperature measurement and thermo-compensation of the main reading
- **User-friendly interface** featuring intuitive configuration menu and four multi-function keys
- Three-level configuration, protected by three-level passwords
- Pause contact to disable all outputs
- Digital frequency input for **Water Meter**
- **Auto-clean function**
- Alarm relay output, configurable by the user
- **Inbuilt RTC** with 25 timers for timed schedules and time/date labelling of data/events
- **USB port** for parameters' configuration saving/uploading, data downloading and system upgrading
- **RS485** serial port with **Modbus RTU** (standard) or **TCP/IP** (on request) communication protocol
- Optional connectivity with **SteieLynx gateway**, even as integrated module
- **Exclusive STEIEL casing** with fast installation system, thanks to the wall-mounting bracket and secure front cover attachment for easy operations
- IP65 protection, suitable for harsh environments
- Power supply: 100-240 V~ (upon request, 12 V- / 24 V-/~)
- Cable with Schuko plug (different options upon request)

	EW	EW ²
Measurement inputs	1	2
Contact-type control outputs	2x On-Off/PWM	4x On-Off/PWM
Pulse-type control outputs	2x PFM	4x PFM
0/4-20 mA Output	1	2
Sample Water input	1	2
Water Meter input	✓	✓
Inputs for level sensor	2	4
ECO/Boost Mode input	✓	-
Auto-clean function	✓	✓
Modbus RTU Communication	✓	✓
TCP/IP Communication	Optional	Optional
SteieLynx connectivity	Optional	Optional



ITEM	DESCRIPTION	PART NO.
EW mV/mA	Selectable input for pH/ORP electrode / amperometric sensor/ mA signal + Pt100; Modbus RTU	83W1F10U
EW CO	Input for conductivity probe + Pt100; Modbus RTU	83W1F20U
EW ² 2x mV/mA	Two selectable inputs for pH/ORP/CAC/CLE/IN + Pt100; Modbus RTU	83W2F11U
EW ² 2x CO	Two inputs for conductivity probe + Pt100; Modbus RTU	83W2F22U
EW ² mV/mA + CO	One selectable input for pH/ORP/CAC/CLE/IN + one input for conductivity probe + Pt100; Modbus RTU	83W2F12U
TCP/IP	Optional TCP/IP communication	-
Kit SteieLynx int.	Inbuilt SteieLynx Wi-Fi / LAN module	83WM000Y
	Inbuilt SteieLynx module, with USB 3G/4G modem and antenna	83WM000G
SLP-A	Level probe with PUR cable 2 m and tips	97009030
SLP-A25	Level probe with PUR cable 25 m and tips	97009050
SMP-EVO	Bracket for wall installation of EVOLUTION/NOVA ² units	97000507



These instruments can be supplied assembled on panel, complete with measurement sensors and dosing pumps.

easy+fix Installation System

Innovative, exclusive and
patented system



EVOLUTION units can be combined with easy+fix, the solution for compact and space-saving assembly of the sensor-holder, fixed directly to the instrument casing.

The symmetrical bracket allows maximum flexibility for mounting the sensor holder on the right or left, depending on which side best suits your installation needs!



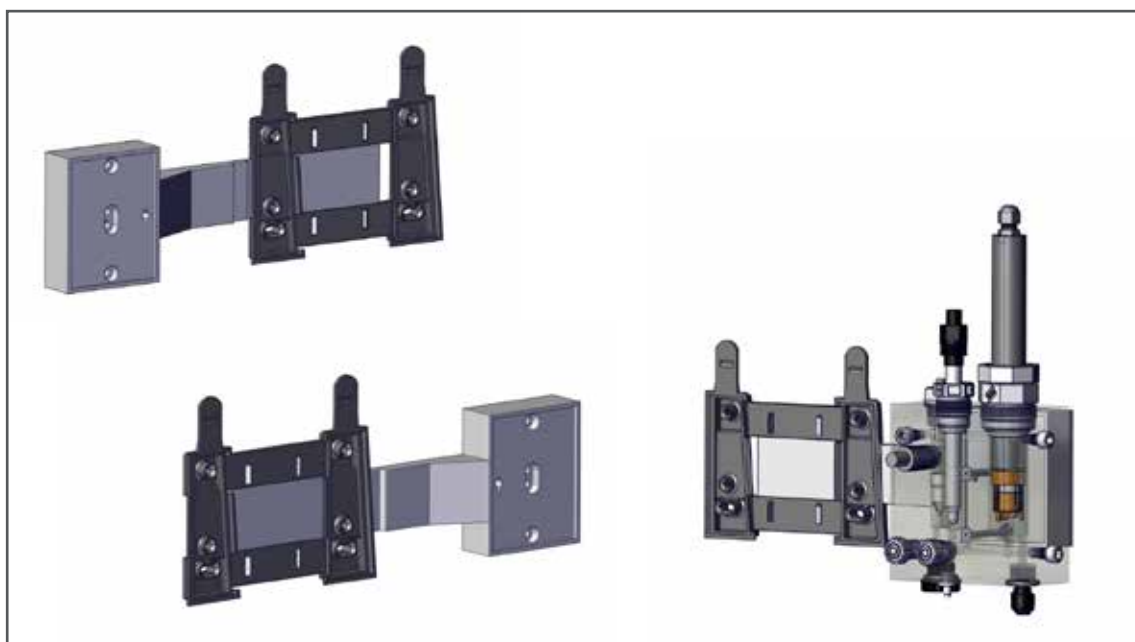
+ Fast delivery!



+ Compact installation,
in just 400x230 mm !



[More info](#)



Examples of systems with easy+fix, complete with sensors and probe-holder

ITEM	DESCRIPTION	PART NO.
EW pH easy+fix	EW easy+fix system with EURO2010-PH electrode and PT100 sensor; Modbus RTU; cable with Schuko plug	83F1F10U310
EW CLE easy+fix	EW easy+fix system with Cu/Pt open amperometric cell and PT100 sensor; Modbus RTU; cable with Schuko plug	83F1F10U390
EW CAC(CLI) easy+fix	EW easy+fix system with CAC-CLI-B probe for free chlorine and PT100 sensor; Modbus RTU; cable with Schuko plug	83F1F10U3C0
EW CAC(CDX) easy+fix	EW easy+fix system with CAC-CDX-B probe for chlorine dioxide and PT100 sensor; Modbus RTU; cable with Schuko plug	83F1F10U3D0
EW CAC(HT) easy+fix	EW easy+fix system with CAC-HT-B for chlorine / chlorine dioxide analysis in hot water and PT100 sensor; Modbus RTU; cable with Schuko plug	83F1F10U3E0
EW ² pH/ORP easy+fix	EW ² easy+fix system with EURO2010-PH and EURO2110-RX/Pt electrodes, PT100 sensor; Modbus RTU; cable with Schuko plug	83F2F11U315
EW ² pH/CLE easy+fix	EW ² easy+fix system with EURO2010-PH electrode, Cu/Pt open amperometric cell and PT100 sensor; Modbus RTU; cable with Schuko plug	83F2F11U319
EW ² pH/CAC easy+fix	EW ² easy+fix system with EURO2010-PH electrode, CAC-CLI-B probe for free chlorine and PT100 sensor; Modbus RTU; cable with Schuko plug	83F2F11U31C
easy+fix	Plate to attach sensor-holder on EVOLUTION wall casing	80610280

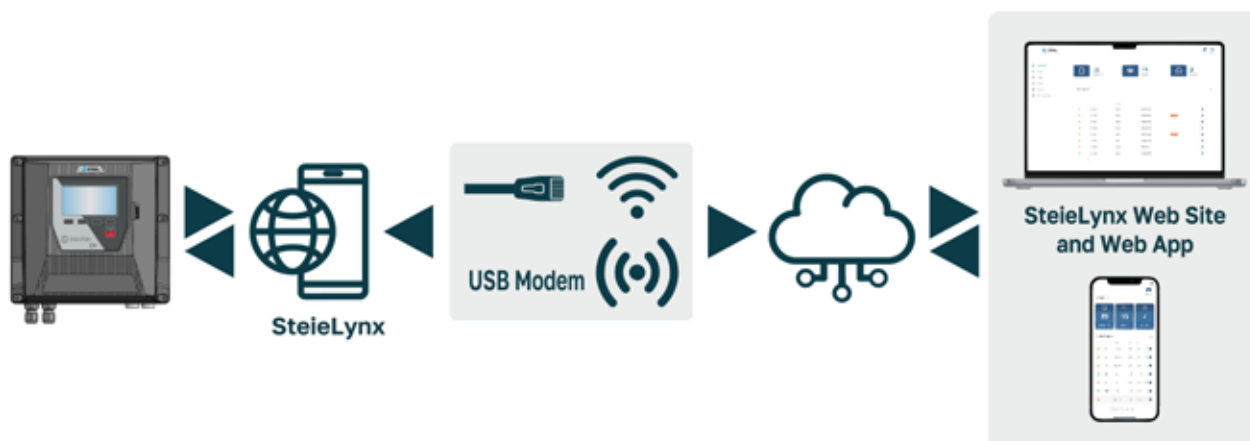


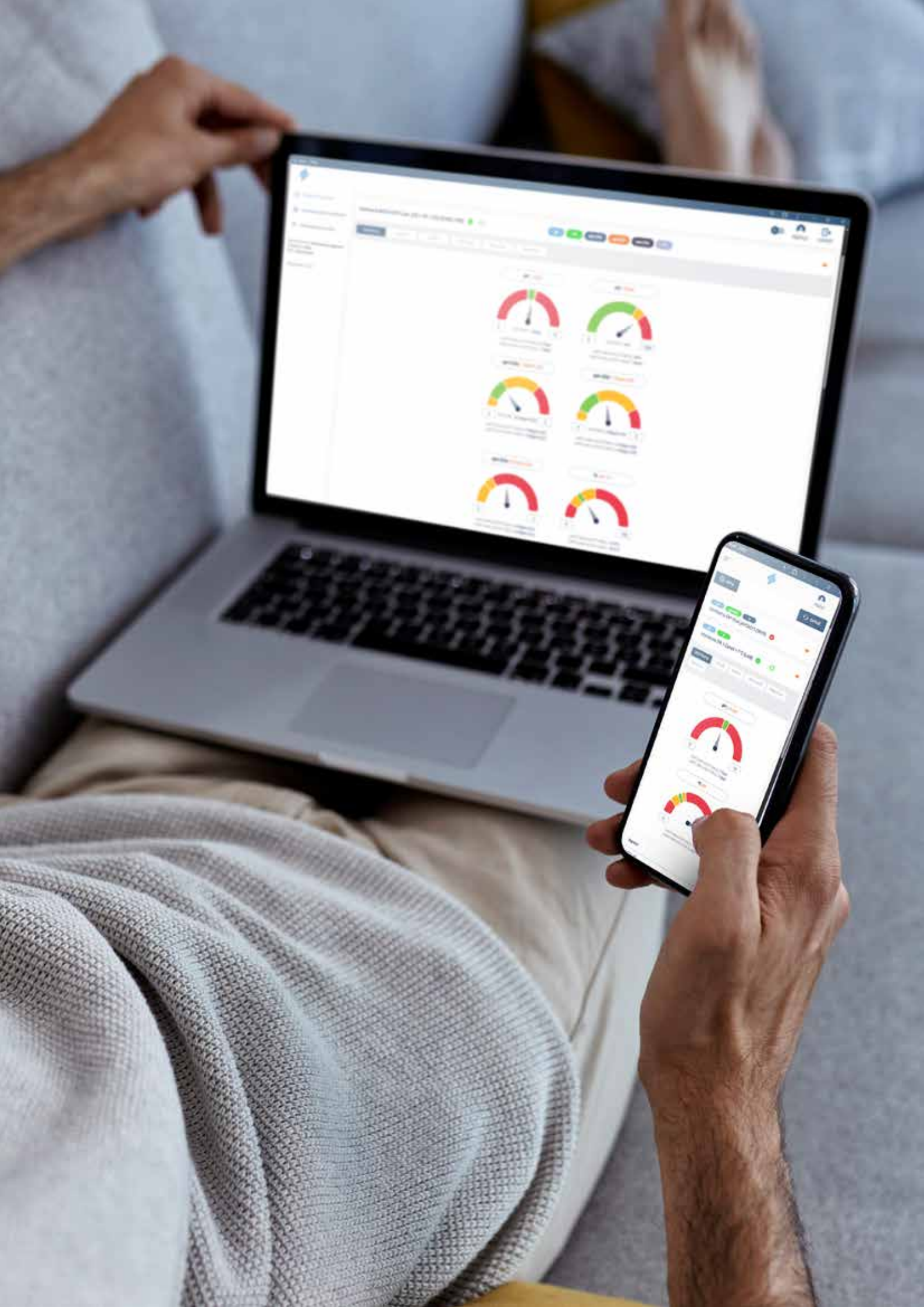
GATEWAY E WEB APP



- **Supervising unit** to monitor and manage STEIEL instruments through the **dedicated Web App**
- Internet connection via LAN port, Wi-Fi module or 3G/4G network (SIM card in USB modem)
- RS485 port for communication with STEIEL instruments and dosing pumps equipped with RS485 interface
- Also available as **module to be integrated in the instrument** for the new EVOLUTION EW / EW² and NOVA² instrumental lines
- IP56 housing for wall installation; dimensions: 150 x 110 x 70 mm
- Power supply: 100-240 V~ 50/60 Hz, cable with Schuko plug (other options on request)

ITEM	DESCRIPTION	PART NO.
SteieLynx EXT	Supervising unit Wi-Fi/LAN, with one RS485 port and cable with Schuko plug	81831000
	Supervising unit , complete with 4G USB modem and antenna, with one RS485 port and cable with Schuko plug	81831G00
SteieLynx INT	Module to be integrated in EVOLUTION EW /EW ² and NOVA ² units	8183Y000
CAV/RW-MP-1	Serial cable with connector for MC14 / MCO14 multi-parametric units and EVOLUTION instruments with RS485 port, 1.5 m	80099111
CAV/RW-MP-10	Serial cable with connector for MC14 / MCO14 multi-parametric units and EVOLUTION instruments with RS485 port, 10 m	80099115
CAV/Lynx-WP-1	Serial cable with connector for NOVA NSP pumps and NOVA ² units, 2 m	80099202
CAV/Lynx-WP-10	Serial cable with connector for NOVA NSP pumps and NOVA ² units, 10 m	80099205
Kit modem	3G/4G USB modem + antenna with cable + connectors	81839001





Ready-to-Use Control Systems

CUSTOMIZED ASSEMBLIES ON SUPPORT

STEIEL offers a wide range of “turnkey” solutions, available on neutral panel (white), with STEIEL logo or with customer logo (even for a few units).

In addition, it is possible to have industrial equipment mounted inside closed fibreglass or steel cabinets (equipped with door with transparent window) or on painted metal frames (also with laser-cut logo).

For these particular solutions or other types of customization, contact STEIEL for specific assessment.

HOW TO BUILD-UP AN ASSEMBLED AND READY-TO-USE SYSTEM

ELECTRONIC UNIT

- EVOLUTION EW
- EVOLUTION EW²
- MC14 EVO

PUMP(S)

- QUANTITY (0, 1, 2, 3)
- TYPE (NOVA, PSP)
- FLOW RATE
- DOSING HEAD/ SEALS

MEASUREMENT SENSOR(S)

- pH ELECTRODE
- ORP ELECTRODE
- CLE CELL
- CAC SENSOR
- CCK COND. PROBE
- CMK COND. PROBE
- TURBIDITY PROBE
- ETC.

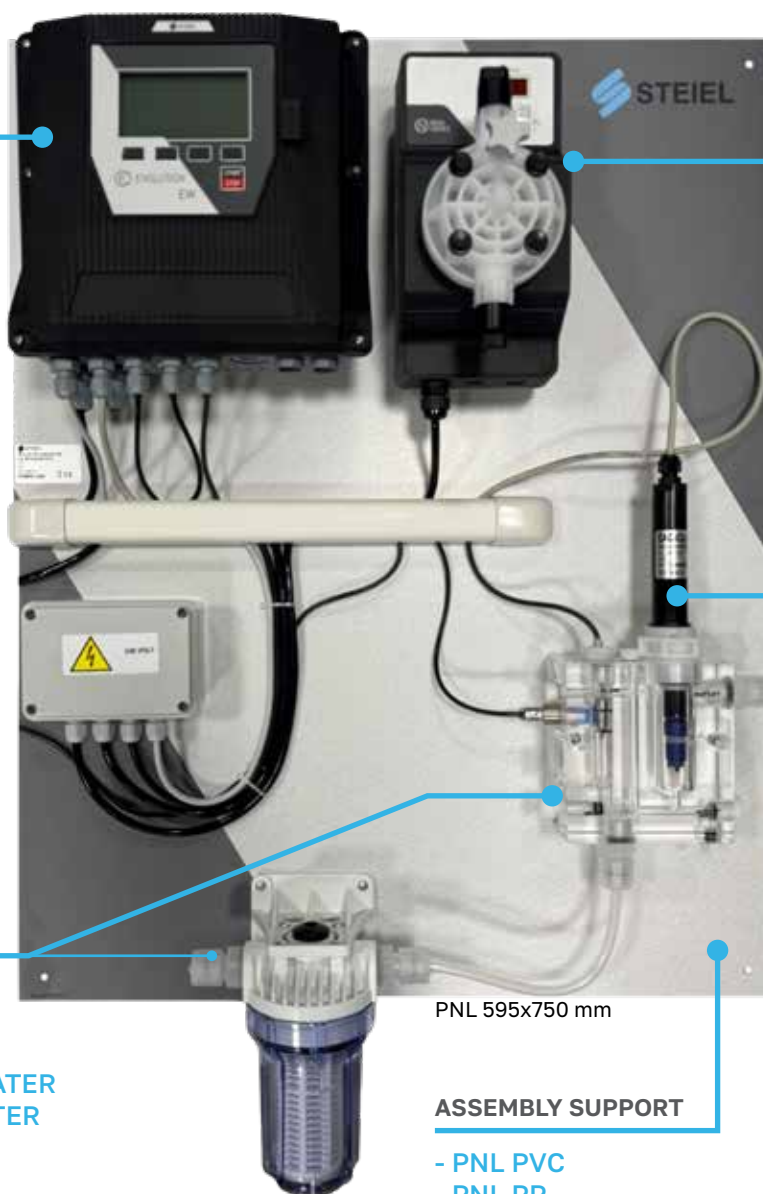
ACCESSORIES

- PROBE-HOLDER
- FLOW SENSOR
- PT100 SENSOR
- FILTER FOR COLD WATER
- FILTER FOR HOT WATER
- ETC.

PNL 595x750 mm

ASSEMBLY SUPPORT

- PNL PVC
- PNL PP
- EASY+FIX PLATE
- STEEL CABINET
- FIBERGLASS CABINET



The type and dimensions of the support depend on the components to be mounted and the application for which the system is intended.



Examples:

Assembly on panel with filter and without pumps	PNL PVC 595x750 mm
Assembly on panel with filter and two PSP pumps	PNL PP 900x700 mm
System for food industry without pumps	Steel cabinet



Available support panels

DESCRIPTION

High-density expanded PVC panel

650x290 mm *

500x600 mm *

595x750 mm

900x700 mm

* Only for systems with pump with inbuilt meter

PP panel

500x600 mm

595x750 mm

900x700 mm



Ready-to-Use Control Systems

FOR AUTOMATIC BLOW-DOWN OF COOLING TOWERS

The automatic blow-down system for cooling towers was designed to meet the needs of managing the salt concentration in the tower/condenser circuits, also preventing the waste of water and chemicals.

STEIEL offers systems designed for this type of application, factory-assembled and wired.

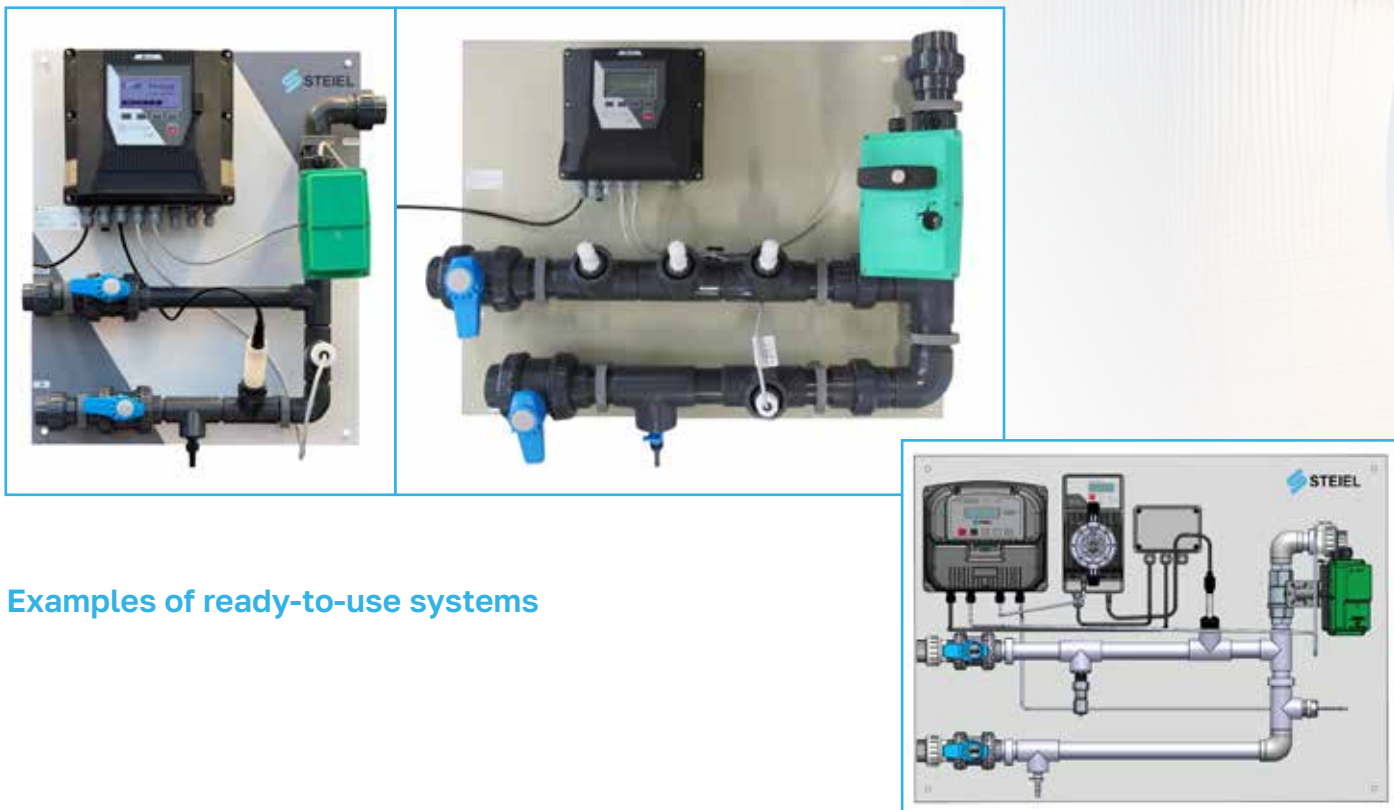
The basic version includes digital conductivity meter, conductivity cell, motorized valve, and hydraulic kit. More complete systems also include a biocide dosing pump, pH or ORP control (with optional regulation pump), and a sample water recovery circuit.

The digital unit, which controls both the motorized valve and biocide dosing pump, allows the valve to be inhibited from opening for a set time, ensuring optimal treatment results and preventing the product from being discharged before its biocidal action has completed.

All parameters are configurable with wide operating ranges, allowing the instrument to be highly adaptable to circuits of all sizes.

In addition to panel-mounted systems, versions with various hydraulic dimensions and options for installation in a closed panel or painted metal skid are also available

Contact STEIEL for specific solutions for your system.



Examples of ready-to-use systems



Ready-to-Use Control Systems

FOR LEGIONELLA PREVENTION

The LEGION line by STEIEL includes various dosing and measuring solutions, designed for the disinfection of domestic hot water circuits, for legionella prevention.

They allow continuous and complete disinfection of the system, safely and without waste.

A variety of combinations is available, which allows to control the biocide (stabilized chlorine dioxide, sodium hypochlorite, hydrogen peroxide) dosage proportionally to flow rate or to measurement.

Moreover, the biocide (oxidant) is combined with the dosage of a specific product to protect the hydraulic circuit.

To avoid waste, the RAC system for sample water recovery is also available, with bypass line, circulator pump and pressure gauges, available in combination with the measuring system or on a separate panel.

Contact STEIEL for specific solutions for your system.



Examples of LEGION systems

PNL-RAC

System for the recovery of sample water in the analysis cells of disinfectant product.

Useful for applications in sanitary hot water circuits (max 70 °C @ 3 bar or 55 °C @ 6 bar).

ITEM	DESCRIPTION	PART NO.
	PP panel with bypass line with PVC-C DN20 pipes and valves, brass hydraulic connection ($\frac{1}{2}$" G F), analysis water connection for PE / PTFE hose 6x8 mm. Complete with variable speed circulator pump, IP44, protected by a magnetothermic switch, pressure max 4 m with 0.7 m³/h flow rate, power supply 230 V~. IN-OUT manometers for 0-10 bar measurements. Limits of use: temperature max 100 °C, pressure max 16 bar @ 35 °C.	9AR00000



C902 Compact Conductivity Meter

SINGLE-CHANNEL DIGITAL UNITS - PANEL INSTALLATION



- Conductivity range up to 9.99, 99.9 or 999 $\mu\text{S}/\text{cm}$ (to be specified)
- Measurements in $\mu\text{S}/\text{cm}$ or ppm (to be specified upon order)
- Input for conductivity cell, with cell constant depending on the full-scale value
- One relay output with threshold adjustable through trimmer
- Protection rate: IP40 for panel-mounted unit
- Instrument dimensions: DIN36 x72x110 mm; drilling template: 32x68 mm
- Power supply: 230 V~ 50/60 Hz (standard); upon request: 115 V~, 24 V~ / V-

ITEM	DESCRIPTION
C902	C902, measure unit and range to be specified

S504 Series

SINGLE-CHANNEL DIGITAL UNITS - INSTALLATION ON DIN SLOT



- Models with pH / ORP, conductivity or mA signal measurement input
- Input for Pt100 sensor, for temperature measurement and compensation
- Two relay outputs configurable as intervention threshold or alarm
- Analog (mA) output, fully configurable and galvanically separated
- Digital OFF input, to disable all outputs
- Standard unit: IP20 casing; 6 modules according to DIN 43880 standards
- "Box" versions: IP56 casing; single instrument dimensions: 200x220x120 mm, fixing template 145 x 88 mm; double: 265x220x120 mm, template: 210x88 mm
- Power supply: 100-240 V~ 50/60 Hz (standard), 24 V~, 24 V-

ITEM	DESCRIPTION	PART NO.
S504 pH/ORP/T	Input for pH or ORP electrode + PT100	80050130
S504 CO	Input for conductivity probe + Pt100	80240120
S504 IN	Indicator with 0/4-20 mA input, range to be specified	80710165
S504 box	Version in closed housing, single instrument	
	Version in closed housing, double instrument	
Versions with 24 V~ / V- power supply		



MC14 EVO Control Units

MULTI-CHANNEL DIGITAL UNITS - WALL INSTALLATION



SteieLynx ext.

- Inputs for 5 simultaneous readings (temperature always provided)
 - Measurements of pH, ORP, chlorine, conductivity, turbidity (even with control of automatic cleaning), etc.
 - Available double input for CAC probe
 - Two configuration levels (standard and advanced), with password
 - Multilingual menu
 - Four (On-Off or proportional) adjustment relays, one alarm relay
 - Two analog outputs, configurable as 0-20 or 4-20 mA
 - OFF input, configurable NO or NC to disable the outputs
 - Input for flow sensor to disable the outputs in case of water flow lack to the sensors
 - Two level inputs to monitor the products to be dosed
 - Internal data log downloadable via serial line
 - RS485 serial port with Modbus RTU communication protocol, even for connection to SteieLynx gateway
 - IP65 housing; dimensions: 320 x 270 x 120 mm
 - Power supply: 230 V~ (standard), 115 V~
 - Upon request, version with K4 and K5 pulse outputs for PFM control
- The unit can be supplied assembled on a panel and wired, complete with sensors, dosing pumps and SteieLynx gateway

ITEM	DESCRIPTION
MC14 /3 std.	MC14 EVO, 3 channels + temperature (PT100), RS485 port
MC14 /4 std.	MC14 EVO, 4 channels + temperature (PT100), RS485 port

DESCRIPTION	PART NO.
Spare electronic board for RS232 communication	82590200
Spare electronic board for RS485 communication	82590201

PRG11 Programmer

FOR REVERSE OSMOSIS SYSTEMS



- Can be **wall-mounted or assembled on** the osmosis **system frame**
- **Internal RTC** powered by buffer battery, for scheduling filter cleaning
- **Two inputs for conductivity probes**, for monitoring water both entering and exiting the osmosis unit
- **Thermo-compensation** of readings with NTC sensor in-built in the cell
- Outputs: direct control of filter pump and dosing pump, and alarm
- Digital input for 3-wire sensors (magnetic or capacitive)
- IP65-rated housing
- Dimensions: 237 x 212 x 125 mm; mounting template: 220 x 185 mm
- Power supply: 230 V~ 50 Hz (standard), 115 V~ (upon request)

ITEM	DESCRIPTION	PART NO.
PRG11 standard	Programmer for reverse osmosis (RO) plants, power supply 230 V~, output for 24 V~ solenoid valve. Conductivity measurement of inlet water: K=5, range 2000 $\mu\text{S}/\text{cm}$. Conductivity measurement of outlet water: K=5, range 200 $\mu\text{S}/\text{cm}$.	812021312

AVAILABLE OPTIONS

- Conductivity range for inlet and/or outlet water:
0-2 $\mu\text{S}/\text{cm}$ / 0-20 $\mu\text{S}/\text{cm}$ / 0-200 $\mu\text{S}/\text{cm}$ / 0-2000 $\mu\text{S}/\text{cm}$ (= 0-2 mS/cm) / 0-20'000 $\mu\text{S}/\text{cm}$ (= 0-20 mS/cm)
- Cell constant for measurement of inlet and / or outlet water:
K=1 / K=5
- Output for solenoid valve:
230 V~ / 115 V~ (same as instrument power supply) / 24 V~
- Power supply:
230 V~ 50 Hz / 115 V~ 60 Hz



Hardness Analyser

PROFESSIONAL ANALYSER OF WATER HARDNESS



- Qualitative control of the softening system
- Microprocessor-based unit
- Graphic display
- Four relay outputs configurable as alarms, commands of connected devices (washing valve, pump, cooler) or remote signal of fault conditions)
- One analog (0/4-20 mA) output and two digital inputs
- Data transfer through CAN connection or SD card
- Power supply: 230 V~ (standard) or 24 V~/V-
- Supplied plate-mounted in IP56-rated closed housing

DESCRIPTION	PART NO.
Analyser supplied in IP56-rated closed housing; reagents not included	86204100
Pre-filter for hardness analyser	86200154
Set for equipment cleaning (road transport)	86200153
Set for equipment cleaning (air transport)	86200152

REAGENT (500 ml)	MEASUREMENT RANGE PROFESSIONAL VERSION		ALARM THRESHOLDS BASIC VERSION		
	TOTAL HARDNESS				
500S/500	0.04 ... 0.21 °f	0.02 ... 0.12°dH	0.04 °f	0.02 °dH	0.4 ppm CaCO ₃
500/500	0.04 ... 0.36 °f	0.02 ... 0.2 °dH	0.09 °f	0.05 °dH	0.9 ppm CaCO ₃
501/500	0.05 ... 0.54 °f	0.03 ... 0.3 °dH	0.18 °f	0.1 °dH	1.8 ppm CaCO ₃
502/500	0.11 ... 1.07 °f	0.06 ... 0.6 °dH	0.36 °f	0.2 °dH	3.6 ppm CaCO ₃
503/500	0.16 ... 1.61 °f	0.09 ... 0.9 °dH	0.54 °f	0.3 °dH	5.4 ppm CaCO ₃
505/500	0.27 ... 2.68 °f	0.15 ... 1.5 °dH	0.9 °f	0.5 °dH	9.0 ppm CaCO ₃
510/500	0.54 ... 5.36 °f	0.3 ... 3.0 °dH	1.8 °f	1.0 °dH	18 ppm CaCO ₃
520/500	1.07 ... 10.71 °f	0.6 ... 6.0 °dH	3.6 °f	2.0 °dH	36 ppm CaCO ₃
530/500	1.61 ... 16.07 °f	0.9 ... 9.0 °dH	5.4 °f	3.0 °dH	54 ppm CaCO ₃
550/500	2.68 ... 26.79 °f	1.5 ... 15 °dH	9.0 °f	5.0 °dH	90 ppm CaCO ₃
600/500	5.36 ... 53.57 °f	3.0 ... 30 °dH			
CARBONATE HARDNESS					
C-710/500	0.54 ... 5.36 °f	0.3 ... 3.0 °dH	1.8 ° f	1.0 °dH	
C-715/500	0.80 ... 8.04 °f	0.45 ... 4.5 °dH	2.7 °f	1.5 °dH	
C-720/500	1.07 ... 10.71 °f	0.6 ... 6.0 °dH	3.6 °f	2.0 °dH	
C-730/500	1.61 ... 16.07 °f	0.9 ... 9.0 °dH	5.4 °f	3.0 °dH	



Sensors & accessories

pH Electrodes	page 36
ORP Electrodes.....	37
Cables and connectors	38
Solutions	39
Conductivity probes, CCK series	40
Measurement of inductive conductivity	41
Amperometric sensors, CLE series	42
Amperometric sensors, CAC series.....	44
Amperometric sensors, CAC-HT model	46
Temperature sensors.....	46
Turbidity and Dissolved Oxygen measurements	47
Probe-holders for in-line installation	48
Probe-holders for immersion installation	49
Flow-through methacrylate probe-holders	50
Flow-through probe-holders with cup.....	52
Filter-holders	52



pH ELECTRODES

INDUSTRIAL SERIES



- Combined electrodes with glass body, diameter 12 mm
- Gel electrolyte (unless otherwise indicated)
- Range: 0...14 pH, minimum sample conductivity: 50 µS/cm

ITEM	MEMBRANE	CONNECTION	CHARACTERISTICS / APPLICATION	WORKING TEMP.	P. MAX.	PART NO.
EURO2005-pH	S Glass	S7 + PG13.5	Single ceramic diaphragm, plastic body	0 ... 80 °C	8 bar	80092005
EURO2010-pH	S Glass	S7 screw head	Single ceramic diaphragm	0 ... 80 °C	6 bar	80092010
EURO2015-pH	S Glass	S7 + PG13.5		0 ... 80 °C	6 bar	80092015
EURO2025-pH	S Glass	S7 + PG13.5	Refillable electrode with liquid electrolyte, ground diaphragm, suitable for measurements in conditions of low conductivity (0.2 µS/cm)	-10 ... 50 °C	Ambient	80092025
EURO2030 -pH	S Glass	S7 + PG13.5	Triple ceramic diaphragm, for use in low conductivity solutions (min 2.5 µS/cm)	0 ... 100 °C	6 bar	80092030
EURO2050-pH	HA Glass	S7 screw head	Triple ceramic diaphragm and salt bridge	0 ... 120 °C	6 bar	80092050
EURO2051-pH	HA Glass	Cable 5 m + tips	Triple ceramic diaphragm and salt bridge	0 ... 120 °C	6 bar	80092051
EURO2052-pH	HA Glass	Cable 5 m + BNC	Triple ceramic diaphragm and salt bridge	0 ... 120 °C	6 bar	80092052
EURO2055-pH	HA Glass	S7 + PG13.5	Triple ceramic diaphragm and salt bridge	0 ... 120 °C	6 bar	80092055
EURO2065-pH	HF resistant glass	S7 + PG13.5	Single ceramic diaphragm, HF resistant glass body	0 ... 100 °C	6 bar	80092065
EURO2085-pH	HA Glass	S7 screw head	Single ceramic diaphragm, electrolyte for solutions with pH > 12.5	0 ... 120 °C	6 bar	80092085
EURO2084-pH	HA Glass	S7 + PG13.5		0 ... 120 °C	6 bar	80092084
EURO2090-pH	S Glass	S7 + PG13.5	Open annular diaphragm, polymeric electrolyte, for use in dirty water	0 ... 100 °C	6 bar	80092090

Note: Electrodes with screw head are supplied without cable. See page 38 for a complete list of available cables. For calibration and maintenance solutions, refer to page 39.



ORP ELECTRODES

INDUSTRIAL SERIES



- Combined electrodes with glass body, diameter 12 mm
- Gel electrolyte (unless otherwise indicated)
- Range: ± 2000 mV

ITEM	SENSOR	CONNECTION	CHARACTERISTICS / APPLICATION	WORKING TEMP.	P. MAX.	PART NO.
EURO2105-RX	Platinum	S7 + PG13.5	Single ceramic diaphragm, plastic body	0 ... 80 °C	8 bar	80192105
EURO2110-RX	Platinum	S7 screw head	Single ceramic diaphragm	0 ... 80 °C	6 bar	80192110
EURO2120-RX	Gold	S7 screw head	Single ceramic diaphragm, for use in case of salt electrolysis	0 ... 80 °C	6 bar	80192120
EURO2115-RX	Platinum	S7 + PG13.5	Single ceramic diaphragm	0 ... 80 °C	6 bar	80192115
EURO2125-RX	Gold	S7 + PG13.5	Single ceramic diaphragm, for use in case of salt electrolysis	0 ... 80 °C	6 bar	80192125
EURO2150-RX	Platinum	S7 screw head	Triple ceramic diaphragm and salt bridge	0 ... 120 °C	6 bar	80192150
EURO2151-RX	Platinum	Cable 5 m + tips	Triple ceramic diaphragm and salt bridge	0 ... 120 °C	6 bar	80192151
EURO2155-RX	Platinum	S7 + PG13.5	Triple ceramic diaphragm and salt bridge	0 ... 120 °C	6 bar	80192155
EURO2160-RX	Gold	S7 screw head	Single ceramic diaphragm, for use in case of salt electrolysis	0 ... 120 °C	6 bar	80192160
EURO2165-RX	Platinum	S7 + PG13.5	Single ceramic diaphragm, HF resistant glass body	0 ... 80 °C	6 bar	80192165
EURO2175-RX	Platinum	S7 + PG13.5	Single ceramic diaphragm, polypropylene body for use in HF high concentration and high pressure	0 ... 60 °C	8 bar	80192175

Note: Electrodes with screw head are supplied without cable. See page 38 for a complete list of available cables. For calibration and maintenance solutions, refer to page 39.



CABLES AND CONNECTORS

FOR pH AND ORP ELECTRODES

High Quality (HQ) coaxial cables, dia. 5 mm, for EURO2010-PH and EURO2110-RX series electrodes.

ITEM		LENGTH	CONNECTORS	PART NO.
	CAV0	0.65 m	S7 + tips	80099010
	CAV1	1,2 m	S7 + tips	80099011
	CAV3	3 m	S7 + tips	80099013
	CAV5	5 m	S7 + tips	80099014
	CAV10	10 m	S7 + tips	80099015
	CAV15	15 m	S7 + tips	80099016
	CAV20	20 m	S7 + tips	80099017
	CAV30	30 m	S7 + tips	80099018
	CAV50	50 m	S7 + tips	80099019
	BNC/CV0	0.65 m	S7 + BNC	80099000
	BNC/CV1	1 m	S7 + BNC	80099001
	BNC/CV2	2 m	S7 + BNC	80099002
	BNC/CV3	3 m	S7 + BNC	80099003
	BNC/CV5	5 m	S7 + BNC	80099004
	BNC/CV10	10 m	S7 + BNC	80099005
	BNC/CV15	15 m	S7 + BNC	80099006
	BNC/CV20	20 m	S7 + BNC	80099007

Note:

- To avoid interferences in the signal transmission, use cables with a maximum length of 20 meters; for longer distances, we recommend the insertion of a pre-amplifier.
- Cables with tips: use for connection to the terminal block of industrial control units.
- Cables with BNC: use for connection to pool controllers and pumps with inbuilt pH/ORP meter.

ITEM		DESCRIPTION	PART NO.
	CV5	S7 connector for industrial electrodes with cable of dia. 5 mm	51300501
	BNC/M	BNC male connector	51300005



SOLUTIONS



Full range of solutions for calibration and periodic maintenance of sensors.

ITEM	90 ml BOTTLE	500 ml BOTTLE
	PART NO.	PART NO.
pH4 Buffer solution	80090095	80090093
pH7 Buffer solution	80090096	80090094
pH9 Buffer solution	80090097	80090100
ORP solution, 220 mV @25°C	80190091	80190090
Electrode storage solution	-	80090091
Conductivity solution, 147 µS/cm @25°C	-	80290155
Conductivity solution, 1413 µS/cm (1,41 mS/cm) @25°C	-	80290153
Conductivity solution, 12880 µS/cm @25°C	-	80290151

ITEM		PART NO.
KRE, Kit of solutions for cleaning and storage of pH and ORP electrodes		80099902
Refilling kit for refillable electrodes	Small bottle (empty)	36000100
	Hose 7x10 mm	36502111
Electrolyte (KCl 3 M) for refillable electrodes, 250 ml bottle		80090087
Protective cap for electrode storage		36100112

CONDUCTIVITY PROBES

CCK SERIES FOR ELECTRICAL CONDUCTIVITY MEASUREMENTS



CCK1



CCK5



CCK J

- Series of cells for **electrical conductivity measurements**
- Graphite, steel or platinum electrodes (depending on model)
- Resin-bonded cable to the cell
- Models with threaded body for direct in-line installation
- Models with stem body for industrial applications
- Models with M8 connector for PSP164 pumps

ITEM	K CELL CONSTANT	RANGE (μS/cm)	BODY	ELEC-TRODES	TEMP. SENSOR	TEMP. / P. MAX	CABLE	PART NO.
CCK1G-5S	1 cm	20'000	PVC, ½" G	Graphite	-	45°C / 5 bar	5 m	80290001
	1 cm	20'000	PVC, ½" G	Graphite	-	45°C / 5 bar	5 m + M8	80290045
CCK1G-10S	1 cm	20'000	PVC, ½" G	Graphite	-	45°C / 5 bar	10 m	80290006
CCK1GT-PT100	1 cm	20'000	PTFE, ½" G	Graphite	PT100	130°C / 3 bar	5 m	80290003
CCK1GT-PT100-10S	1 cm	20'000	PTFE, ½" G	Graphite	PT100	130°C / 3 bar	10 m	80290019
CCK1GT-NTC	1 cm	20'000	PTFE, ½" G	Graphite	NTC10K	130°C / 3 bar	5 m	80290002
	1 cm	20'000	PTFE, ½" G	Graphite	NTC10K	130°C / 3 bar	5 m + M8	80290052
CCK5 *	5 cm	2'000	PVC, ½" G	AISI316	-	45°C / 5 bar	2.5 m	80290005
CCK5-5S	5 cm	2'000	PVC, ½" G	AISI316	-	45°C / 5 bar	5 m	80290107
	5 cm	2'000	PVC, ½" G	AISI316	-	45°C / 5 bar	5 m + M8	80290114
CCK5-10S	5 cm	2'000	PVC, ½" G	AISI316	-	45°C / 5 bar	10 m	80290106
CCK5T-PT100	5 cm	2'000	PTFE, ½" G	AISI316	PT100	130°C / 3 bar	5 m	80290009
CCK5T-PT100-10S	5 cm	2'000	PTFE, ½" G	AISI316	PT100	130°C / 3 bar	10	80290016
CCK5T-NTC	5 cm	2'000	PTFE, ½" G	AISI316	NTC10K	130°C / 3 bar	5 m	80290010
	5 cm	2'000	PTFE, ½" G	AISI316	NTC10K	130°C / 3 bar	5 m + M8	80290097
CCK0,1J **	0,1 cm	200'000	Glass stem, dia. 12 mm	Platinum	-	100°C / 2 bar	5 m	80291000
CCK1J **	1 cm	20'000		Platinum	-	100°C / 2 bar	5 m	80291001
CCK10J **	10 cm	2'000		Platinum	-	100°C / 2 bar	5 m	80291010

* Unshielded cable.

** Model not suitable for installation in PP/Moplen immersion probe-holders.

Warning! Extending the cell cable can affect measurement and it is not advisable.

If your installation needs a cable longer than the standard one, please contact STEIEL for a specific evaluation.



CONDUCTIVITY PROBES

CMK PROBE FOR INDUCTIVE MEASUREMENTS



- **Conductivity** measurements **with inductive method**, up to 500 mS/cm
- Inbuilt temperature sensor, automatic temperature compensation
- Standard cable length: 10 m
- Immersion installation or in flow-through probe-holder
- In-line mounting with special accessories
- To be used together with special signal transmitter (watertight casing for wall installation, IP56 protection, dimensions: 110 x 150 x 150 mm)

ITEM	DESCRIPTION	PART NO.
CMK50	Inductive conductivity cell with PEEK body, 1/2" thread for installation in probe-holder and cable 10 m; temperature max 120 °C	80280000
CMK-AS	AISI304 stainless steel fitting, DN50, for in-line installation	80280010
CMK-ADAS	Adapter for mounting the CMK50 cell on CMK-AS	80280020
CMK-PP	PP fitting, 1/2" GF, for in-line installation	80280011
CMK-51PP	PP fitting, 2" GM, for in-line installation	80280046
CMK-ADPP	Adapter for mounting the CMK50 cell on CMK-PP	80280021
CTI-23	Signal transmitter, 230 V~, 4-20 mA output	80281028
	Signal transmitter, 115 V~, 4-20 mA output	80281128

AMPEROMETRIC SENSORS

CLE SERIES - OPEN CELLS

- Measurement of free chlorine, bromine and chlorine dioxide
- Two-electrode cells, copper and platinum (Cu/Pt), with anti-passivation system
- Reading up to 5 ppm with saturation error
- Assembled in flow-through probe-holder, with flow regulator and housings for two sensors of dia. 12 mm (CLE12 only), flow sensor and PT100 probe
- Methacrylate probe-holder with connections for hose 6x8 mm and sampling outlet
- Working conditions: max temperature 40 °C, max pressure of 3 bar, 40-50 l/h recommended flow rate, 6-7.8 pH range
- Supplied with installation kit (Kit B)

ITEM	DESCRIPTION		PART. NO	
	CLE11	Open amperometric cell with Cu/Pt electrodes and housings for PT100 probe and flow sensor	Cable 1 m	80610140
			Cable 1 m + M8	80610142
	CLE12	Open amperometric cell with Cu/Pt electrodes and housings for PT100 probe, flow sensor and two probes with dia. 12 mm	Cable 1 m	80610130
			Cable 1 m + M8	80610131
	SH-12CLE	Open amperometric cell for easy+fix system, with Cu/Pt electrodes, housings for PT100 probe, flow sensor and one probe with dia. 12 mm; push-fit fittings 8 mm	Cable 1 m	8081332D
	SH-12CLE/PNL	SH-12CLE with PP connections for hose 6x8	Cable 1 m	80813322



ACCESSORIES AND SPARE PARTS FOR CLE SERIES

ITEM	DESCRIPTION	PART. NO
CLE12-SENS	Spare Cu/Pt electrode group	Cable 1 m
		Cable 1 m + M8
	Spare Cu/Pt electrode group for cell mounted on BG08 generators	Cable 2.5 m
Kit-sfere/CLE	Kit of spare Pyrex balls for CLE cells	80610110
Kit electrode	Kit of threaded rings & seals to install one sensor dia. 12 mm	80610265
	Maintenance kit for CLE and SD series probe-holders	80610268
	Spare methacrylate body for CLE12, with PP fittings and flow regulator	80610132
	Spare methacrylate body for CLE11, with PP fittings and flow regulator	80610143
	Kit flow: Flow control kit for CLE12 / CLE11 and SD probe-holder series	80610114
	Grounding kit for CLE12 / CLE11 and SD probe-holder series	80610111
	Kit B Installation kit: 2 PVC valves M/F 1/2", 2 PP fittings with 1/2" threaded ring, PE hose 6x8 mm (5 m)	80509915
	PE hose, 6x8 mm, 100 m coil	97013308
	PP connection with O-ring for hose 6x8 mm	97000164
	PVDF connection with O-ring for hose 6x8 mm	97000165
	SD-SF/PNP: Three-wire PNP proximity sensor for SD /SH / CLE probe holders, to be connected to S507 / S508 / EF300 series units	54500009
	SD-SF/NPN: Three-wire NPN proximity sensor for SD /SH / CLE probe holders, to be connected to MC14 / EF214 / EF315 / EVOLUTION units	54500010
	SD-SF/NPN M8: Three-wire NPN proximity sensor for SD /SH / CLE probe holders, with M8 connector, to be plugged to a PSP / NOVA/ EF160 EVO pumps and NOVA ² Pool control units	80610000

AMPEROMETRIC SENSORS

CAC SERIES - CLOSED PROBES WITH MEMBRANE



- Full range of probes with ion-selective membrane for measurements of oxidants in water
- Four-wire direct cable, standard length 1 m
- Conductivity of the sample (aqueous solution): 50 ... 10000 $\mu\text{S}/\text{cm}$
- Thermo-compensated readings thanks to the inbuilt temperature sensor
- Working conditions: temperature max 45 °C / pressure max 1 bar

PROBE	ANALYSIS OF	RANGE (ppm)	RECOMMENDED USE	pH RANGE	PART. NO
CAC-CLI-XB	Active chlorine	0.01-0.5	Cooling, industrial and potable water, or with high (constant) pH value	5.0 ... 9.5	80611100
CAC-CLI-B	Active chlorine	0.02-2.0			80611101
CAC-CLI-SW	Active chlorine	0.1-10.0			80611103
CAC-CLI-M1	Active chlorine	0.2-20.0	Industrial, washing and waste water	5.5 ... 8.0	80611104
CAC-CLI-M2	Active chlorine	0.5-50.0			80611105
CAC-CLI-A1	Active chlorine	1-100			80611106
CAC-CLI-A2	Active chlorine	10-200			80611107
CAC-CLO-B	Available chlorine	0.02-2.0	Swimming pool water treated with chlorine-organic disinfectants or salt electrolysis	5.0 ... 9.5	80611201
CAC-CLO-M1	Available chlorine	0.1-10.0			80611203
CAC-CTO-M1	Total chlorine	0.05-5.0	Potable, industrial and waste water	5.5 ... 9.5	80611302
CAC-CTO-M2	Total chlorine	0.1-10.0			80611303
CAC-CDX-B	Chlorine dioxide	0.02-2.0	Chlorine dioxide in cold water	4.0 ... 11.0	80611401
CAC-BRO-M	Bromine (BCDMH)	0.1-10.0	Cooling water, pools and spas disinfected with organic-bromine-based products	6.0 ... 9.5	80611503
CAC-HYP-XB	Hydrogen peroxide	0.5 -50	All types of water, even dirty or chemically contaminated	2.5 ... 8.0	80611605
CAC-HYP-B		2-200			80611607
CAC-HYP-M		20-2000			80611608
CAC-OX3-B	Ozone	0.02-2.0	Potable and pool water	n.a.	80611701
CAC-PAA-B	Peracetic acid	1-200	Aseptic filling for food use	1.0 ... 9.0	80611807
CAC-PAA-M		10-2000			80611808
CAC-CLT-XB	Chlorite	0.01-0.5	Potable and washing water	5.5 ... 9.5	80611900
CAC-CLT-B	Chlorite	0.02-2.0			80611901



ACCESSORIES AND SPARE PARTS FOR CAC SERIES

Membrane Caps



ITEM	COLOUR	SPARE PART FOR PROBES	PART. NO
CAC-ME-1	Blue	CAC-CLI-XB, CAC-CLI-B, CAC-CLI-SW, CAC-CTO-XB, CAC-BRO-M	80611001
CAC-ME-2	Transparent	CAC-CLI-M1, CAC-CLI-M2, CAC-CLI-A1, CAC-CDX-B, CAC-OX3-B	80611002
CAC-ME-3	White	CAC-CLI-A2, CAC-PAA-B, CAC-PAA-M	80611003
CAC-ME-4	Orange	CAC-CLO-B, CAC-CLO-M1, CAC-CTO-B, CAC-CTO-M1, CAC-CTO-M2	80611004
CAC-ME-5	Grey	CAC-HYP-XB, CAC-HYP-B, CAC-HYP-M	80611005
CAC-ME-6	Black	CAC-CLT-XB, CAC-CLT-B	80611006

Electrolytes



ITEM	VOLUME	SPARE PART FOR PROBES	PART. NO
CAC-EL-1	100 ml	CAC-CLI-XB, CAC-CLI-B, CAC-CLI-SW	80611021
CAC-EL-2	100 ml	CAC-CLI-M1, CAC-CLI-M2, CAC-CLI-A1, CAC-CLI-A2	80611022
CAC-EL-3	50 ml	CAC-CLO-B, CAC-CLO-M1, CAC-CTO-XB, CAC-CTO-B, CAC-CTO-M1, CAC-CTO-M2	80611023
CAC-EL-4	50 ml	CAC-BRO-M	80611024
CAC-EL-5	100 ml	CAC-CDX-B	80611025
CAC-EL-6	100 ml	CAC-OX3-B	80611026
CAC-EL-7	50 ml	CAC-HYP-XB, CAC-HYP-B, CAC-HYP-M	80611027
CAC-EL-8	100 ml	CAC-PAA-B, CAC-PAA-M	80611028
CAC-EL-9	50 ml	CAC-CLT-XB, CAC-CLT-B	80611029

Other Spare Parts

ITEM	DESCRIPTION	PART NO.
CAC-OR	Silicone ring seal for CAC membrane-cap, kit 10 pieces	80612099



AMPEROMETRIC SENSORS

CAC-HT-B MODEL - OPEN CELL



- Probe for the analysis of chlorine and chlorine dioxide in **hot water circuits** (max 70 °C) and under pressure
- Also suitable for **measurements in dirty or salty water**
- Three-electrode amperometric sensor, with protection cap (without membrane)
- Constant flow rate is required through the probe-holder (recommended: 60 l/h)
- Conductivity of the sample (aqueous solution): 50 ... 10'000 µS/cm
- Thermo-compensated readings thanks to the inbuilt temperature sensor
- Four-wire direct cable, standard length 1 m

ITEM	ANALYSIS OF	RANGE (ppm)	RECOMMENDED USE	TEMP. / P. MAX.	PART. NO
CAC-HT-B	Chlorine / ClO ₂	0.02-2.0	Disinfection of sanitary hot water; analysis in dirty water	70 °C / 8 bar	80612101

ITEM	DESCRIPTION	PART NO.
CAC-EL-HT	Spare electrolyte for CAC-HT-B probe, 100 ml	80612005

TEMPERATURE SENSORS



PT101-CP

PT100S

- Series of temperature probes, of different materials and shapes
- Models with anti-acid Pyrex stem body, probes with threaded body for installation in probe-holder or in-line mounting
- Sensor: PT100, PT1000 or NTC10K
- Inbuilt cable

ITEM	DESCRIPTION	PART NO.
PT100S	Pt100 probe, anti-acid Pyrex body, dia. 12 mm, cable 2 m	80390001
PT100S2	Pt100 probe, anti-acid Pyrex body, dia. 12 mm, double sensor, cable 5 m	80390002
PT101-CP1	Pt100 probe, threaded PP body; working temperature: max 90°C for 20 minutes, max 75°C for continuous operation	Cable 0.75 m 80390013
PT101-CP2		Cable 1.5 m 80390014
PT101-CP3		Cable 2.5 m 80390015
PT1000	Pt1000 probe for SHP series of portable meters, AISI316 sleeve, dia. 4 x L 200 mm, with spiral cable	80390060
NTC-S	NTC-10K probe, anti-acid Pyrex body, dia. 12 mm, cable 2 m	80390000



TURBIDITY & DISSOLVED OXYGEN

CTS25 PROBES - TURBIDITY MEASUREMENTS



- **Nephelometric probes** compliant with the ISO7027 - EN 2707 standards
- Infrared (860 nm) light source for measurements not affected by the sample colour
- Detection of the 90° scattered light
- Output signal: 4-20 mA
- Inbuilt temperature sensor for internal compensation of optical efficiency
- PVC-C body (also available in PVDF), 10 m cable
- IP68 protection
- Calibration check with dry reference standard
- These probes can be installed in special flow-through probe-holder or directly in-line with proper adapter

ITEM	DESCRIPTION	PART NO.
CTS25-4	Nephelometric probe with PVC-C body and 10 m cable, 4 NTU	85711000
CTS25-40	Nephelometric probe with PVC-C body and 10 m cable, 40 NTU	85711001
CTS25-400	Nephelometric probe with PVC-C body and 10 m cable, 400 NTU	85711002
CTS25-1000	Nephelometric probe with PVC-C body and 10 m cable, 10'000 NTU	85711202
Probe with PVDF body for use in food industry		

OD-25 PROBE - DISSOLVED OXYGEN MEASUREMENTS



- Probe for measurement of dissolved oxygen in water, with **fluorescence** method
- Output signal: 4-20 mA
- Optical system with replaceable sensitive element (approx. life: 3 years)
- PVC-C body, 10 m cable
- IP68 protection

ITEM	DESCRIPTION	PART NO.
OD-25	Dissolved oxygen probe, range 20 ppm / 200 % saturation	80401011

PROBE-HOLDERS FOR CTS25 / OD-25

ITEM	DESCRIPTION	PART NO.
	SD-CTS - Flow-through probe-holder complete with installation bracket, black PE hose (4x6 mm, 5 m) and two PVDF fittings	85710000
	Kit for in-line installation complete with DN50 T fitting, bonded adapter ring and O-ring	85710002
	Pressure adapter for immersion installation	85710003
	Rotating plate for immersion installation, complete with fixing accessories	85710007



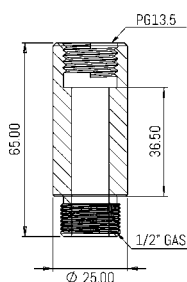
PROBE-HOLDERS

S92 SERIES FOR DIRECT IN-LINE INSTALLATION

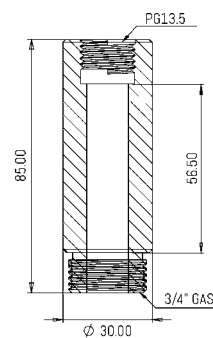


- Probe-holders for the installation of one sensor of dia. 12 mm
- Direct connection to the pipe, also with support clamp

ITEM	MATERIAL	CONNECTION	PRESSURE MAX	TEMP. MAX	PART NO.
S92/T	PP	½" GAS M	2 bar	70 °C	80820005
S92/P	PVC / PVC protection	½" GAS M	2 bar	45 °C	80820001
S92/PG13.5	PP	PG13.5 / 1/2" G M	5 bar	70 °C	80820012
	PP	PG13.5 / 3/4" G M	5 bar	70 °C	80610267



80820012



80610267

Accessories

ITEM	DESCRIPTION	PART NO.
Collar 50	DN50 clamp with ½" F connection, to be used with S92 models	36307706
Collar 63	DN63 clamp with ½" F connection, to be used with S92 models	36307707



PROBE-HOLDERS

S86 SERIES FOR IMMERSION INSTALLATION



- Probe-holders for immersion installation of one or two sensors
- External diameter 60 mm
- Models for CCK or CMK with ½" threaded connection
- Adjustable flange

ITEM	MATERIAL	UNDER FLANGE MAX LENGTH (mm)	SENSOR(S)	TEMPERATURE MAX	PART. NO
S86-60	PVC	710	1 x CCK o CMK	40 °C	80800004
S86-1000	PVC	1000	1 x CCK o CMK	40 °C	80800096
S86-1500	PVC	1500	1 x CCK o CMK	40 °C	80800097
S86-60M	PP Moplen	710	1 x CCK o CMK	80 °C	80800010
S86-1000M	PP Moplen	1000	1 x CCK o CMK	80 °C	80800015
S86-61	PVC	710	1 x dia. 12 mm	40 °C	80800002
S86-1001	PVC	1000	1 x dia. 12 mm	40 °C	80800090
S86-1501	PVC	1500	1 x dia. 12 mm	40 °C	80800091
S86-62	PVC	710	2 x dia. 12 mm	40 °C	80800003
S86-1002	PVC	1000	2 x dia. 12 mm	40 °C	80800093
S86-1502	PVC	1500	2 x dia. 12 mm	40 °C	80800094
S86-61M	PP Moplen	710	1 x dia. 12 mm *	80 °C	80800012
S86-1001M	PP Moplen	1000	1 x dia. 12 mm *	80 °C	80800016
S86-62M	PP Moplen	710	2 x dia. 12 mm *	80 °C	80800014
S86-1002M	PP Moplen	1000	2 x dia. 12 mm *	80 °C	80800018

* Not for CCKJ probe series

Accessories

DESCRIPTION	PART NO.
Automatic cleaning kit for pH and ORP electrodes	80099900



PROBE-HOLDERS

SD SERIES - METHACRYLATE MODELS

SH SERIES - METHACRYLATE MODELS FOR easy+fix SYSTEMS

- Housings for PT100 probe and proximity sensor for sample water flow control (no SDE)
- Working temperature max 70°C (also check operation limits of the sensors installed)
- Supplied with installation kit (Kit B) and (only SH models) inlet filter
- If the probe-holder is intended to be used with hot water (max 70 °C), buy proper installation kit (Kit B/HT)
- SDE model available while stock lasts!!

ITEM		SENSOR(S)	CONNECTIONS / HOSE	PRESSURE MAX	PART NO.
	SDE	2 x dia. 12 mm	PP / 6x8 mm	2 bar	80610258
	SH-1212	2 x dia. 12 mm	Push-fit fittings 8 mm	2 bar	8081331D
	SH-1212/PNL		PP / 6x8 mm		80813312
	SH-1212/HT		PVDF / 6x8 mm		80813315
	SH-1225	1 x CAC + 1 x dia. 12 mm	Push-fit fittings 8 mm	2 bar	8081330D
	SH-1225/PNL		PP / 6x8 mm		80813302
	SH-1225/HT		PVDF / 6x8 mm		80813305
	SD-CAC1	1 x CAC	PP / 6x8 mm	5 bar	80610255
	SD-CAC2	1 x CAC + 2 x dia. 12 mm	PP / 6x8 mm	2 bar	80610256
	SD-CAC3	2 x CAC + 2 x dia. 12 mm	PP / 6x8 mm	2 bar	80610257

DESCRIPTION

SD series probe-holders with PVDF fittings for use with hot water



ACCESSORIES FOR SD / SH SERIES

ITEM	DESCRIPTION	PART NO.
Kit electrode	Kit of threaded rings & seals to install one sensor dia. 12 mm	80610265
	Electrode-holder with PP body, 3/4" thread, to install one glass sensor of dia. 12 mm with PG13.5 connection; allows to work up to a pressure of 5 bar	80610267
	Kit CAC: Kit of threaded rings & seals to install one CAC probe	80610264
	Maintenance kit for CLE and SD series probe-holders	80610268
	Kit flow: Flow control kit for CLE11 / CLE12 and SD series probe-holders	80610114
	Grounding kit for CLE11 / CLE12 and SD series probe-holders	80610111
	Kit B Installation kit: 2 PVC valves M/F 1/2", 2 PP fittings with 1/2" threaded ring, PE hose 6x8 mm (5 m)	80509915
	Kit B/HT Installation kit: 2 PP valves M/F 1/2", 2 PP fittings with 1/2" threaded ring, PE hose 6x8 mm (5 m); max 70 °C	80509916
	Valve HT: PP valve M/F 1/2", for hot water (max 70 °C)	36316592
	PE hose, 6x8 mm, 100 m coil	907013308
	PP connection with O-ring for hose 6x8 mm	97000164
	PVDF connection with O-ring for hose 6x8 mm	97000165
	PVC valve 1/2" + fittings for SH probe-holders	80509920
	PF25: Filter + fitting for SH probe holder	80710042
	Spare cartridge for PF25 with 80 µm filtering mesh	80710043
	SD-SF/PNP: Three-wire PNP proximity sensor for SD /SH / CLE probe holders, to be connected to S507 / S508 / EF300 series units	54500009
	SD-SF/NPN: Three-wire NPN proximity sensor for SD /SH / CLE probe holders, to be connected to MC14 / EF214 / EF315 / EVOLUTION units	54500010
	SD-SF/NPN M8: Three-wire NPN proximity sensor for SD /SH / CLE probe holders, with M8 connector, to be plugged to a PSP / NOVA/ EF160 EVO pumps and NOVA² Pool control units	80610000
	Flow control sensor for SDE probe-holder	97009203
	Pressure reduction kit for sampling outlet	80610080

PROBE-HOLDERS

SF SERIES - FLOW-THROUGH MODELS WITH CUP

- Installation of one, two or three sensors
- Supplied complete with mounting bracket and IN-OUT connections
- Working pressure: max 2 bar
- Models SF17 and SF19 supplied with installation kit (Kit B)

ITEM		MATERIAL	CONNECTIONS	SENSOR(S)	TEMP. MAX	PART. NO
	SF17	Transparent SAN	PP, for hose 6x8 mm	1 x dia. 12 mm	50 °C	80810011
	SF19E2			2 x dia. 12 mm	40 °C	80811122
	SF19/CO			1 x CCK (1/2") or 1 x CMK	40 °C	80811102
	SF78M3	PP	Hose-fitting 1/2"	3 x dia. 12 mm	80 °C	80810002
	SF78M/CCK	PP		1 x CCK	80 °C	80810006
	SF78M/CMK	PP		1 x CMK	80 °C	80810000

FILTER-HOLDERS

PF SERIES - FLOW-THROUGH MODELS WITH CUP

- Models for cold and hot water, complete with filtering cartridge
- Supplied complete with mounting bracket and IN-OUT connections

ITEM		MATERIAL	CONNECTIONS	P. MAX	TEMP. MAX	PART. NO
	PF17	Transparent SAN	PP, for hose 6x8 mm	8 bar	50 °C	80710026
	PF16-HT	Polyamide		15 bar	80 °C	80710030



ACCESSORIES FOR SF / PF SERIES

ITEM	DESCRIPTION	PART NO.
	PP filtering cartridge with washable PA 80 µm mesh, to be used with SF17 / PF17 models	80710034
Cup	Transparent SAN cup, PP threaded head with brass inserts and NBR70 seals; spare part for SF17 / PF17	80710031
	Transparent SAN cup only; spare part for SF17 / PF17 / SF19	33000009
Bracket	Mounting bracket for SF17 / PF17	80710032
	Kit for swimming pool panels, including: 2x SF17, 1x filtering cartridge, IL-SF flow sensor; supplied assembled and ready to install, complete with Kit B	80810013
	IL-SF: "In-line" flow sensor, 3/8" M/M connection	97009202
	Filtering cartridge with washable AISI304 50 µm mesh, to be used with PF16-HT	80710025
Cup HT	Polyamide filter-holder cup; spare part for PF16-HT	80710021
Seal	Spare O-ring for PF16-HT cup	37014325
Bracket	Mounting bracket for PF16-HT	80710022
	PP connection with O-ring for hose 6x8 mm; spare part for SF17 / PF17 / SF19 / PF16-HT	97000164
	PVDF connection with O-ring for hose 6x8 mm; spare part for SF17 / PF17 / SF19 / PF16-HT	97000165
Kit electrode	Kit of threaded rings and seals to install one sensor of dia. 12 mm, spare part for SF19E2	80610265
Seal	Spare sealing for electrode installation in SF78M3	37000100
	Kit B Installation kit: 2 PVC valves M/F ½", 2 PP fittings with ½" threaded ring, PE hose 6x8 mm (5 m)	80509915
	Kit B/HT Installation kit: 2 PP valves M/F ½", 2 PP fittings with ½" threaded ring, PE hose 6x8 mm (5 m); max 70 °C	80509916
	PE hose, 6x8 mm, 100 m coil	907013308



Dosing Systems

Solenoid-driven dosing pumps, PROXIMA PSP series	page 56
Solenoid-driven dosing pumps, NOVA NSP series	62
Solenoid-driven dosing pumps, NOVA NSE series	68
Accessories and spare parts for PROXIMA and NOVA series	72
Brackets for pump installation	76
Multifunctional valves	77
“Flow Control” sensors	78
Accessories and spare parts for EF150, EF155, EF160 EVO pumps.....	80
Professional electromechanical stirrers.....	82
Tanks and dosing stations	84
Dosing skids	86
Pulse-emitting water meters	87
Motor pumps	90



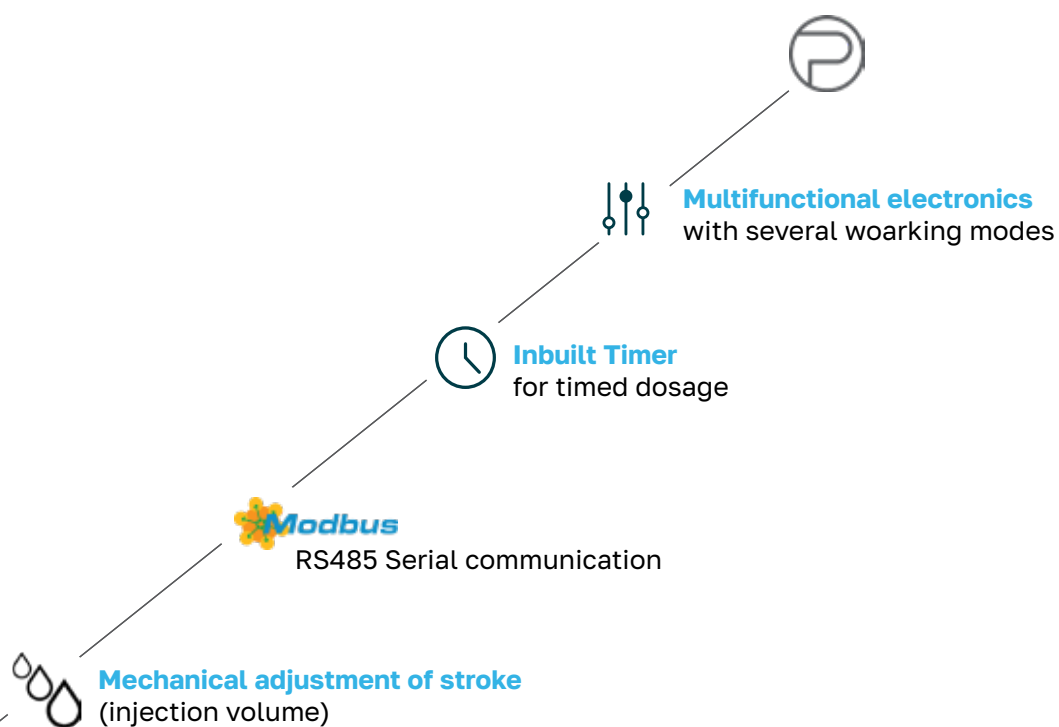
PROXIMA PSP SERIES



SOLENOID-DRIVEN
DIAPHRAGM
DOSING PUMPS -
PROFESSIONAL LINE,
FOOT MOUNTING



[More info](#)



+ Dosing heads for medium- and high-viscosity liquids (up to 3000 cPs)

Standard

- External Consent input / Pulse command
- LEV input for level sensor
- 4-20 mA Input
- Manual priming function
- Inbuilt Timer



Optional

- FLW input for injection flow control
- OUT - Alarm relay
- OUT - Pulse repetition relay
- OUT - RS485 port

+ Counters of injected litres, strokes and working hours of the dosing diaphragm.

+ Password-protected Service menu.



- High-end **multifunctional electronics**, with backlit alphanumeric display
- **Mechanical adjustment** of stroke length (injection volume)
- Multilingual interface
- Two configuration levels, standard and advanced, protected by password
- Dosing at scheduled times and days (internal clock)
- Inbuilt counters of injected litres, working time and strokes of the dosing diaphragm
- **“Service” Menu**
- **“Autoset” Function**
- Optional “Flow Control” input for **injection flow monitoring** and **self-priming function**
- Optional output, to choose among: alarm relay, pulse repetition relay (SSR) or RS485 serial port with **Modbus RTU** communication protocol
- Internal system for overheating control / safety
- Dosing chamber with safety membrane and **anti-leakage system** towards the magnet
- IP65-rated housing; dimensions: 110 x 260 x 190 mm (max size, excluding wiring)
- Power supply: 100-240 V~ (cable with plug)

Available models

- **PSP161** Multifunctional pump with pulse and mA inputs; pulse command (with dosage proportional to the flow rate or automatic mode with ppm / % / ml/q calculation) or from analog input, batch mode, duty cycle.
- **PSP162** Pump with inbuilt pH/ORP meter and electrode input on BNC connector.
- **PSP163A** Pump with inbuilt chlorine meter and input for CLE11 /CLE12 cell available on M8 connector.
- **PSP164** Pump with inbuilt conductivity meter and input for conductivity cell with NTC sensor, available on M8 connector.

Hydraulic Characteristics

FLOW RATE (l/h / bar)	FLOW RATE (INJECTION VOLUME) @ PRESSURE				HOSE IDxOD (mm) (*)	MAX SUCTION HEIGHT
	0.5 bar	4 bar	8 bar	16 bar		
02 16	7 l/h (0.65 ml)	3 l/h (0.28 ml)	2.5 l/h (0.23 ml)	1.8 l/h (0.17 ml)	4x6	5 m
04 16	10.5 l/h (0.98 ml)	5.5 l/h (0.42 ml)	3.8 l/h (0.35 ml)	3 l/h (0.28 ml)	4x6	5 m
05 16	12 l/h (1.14 ml)	6.4 l/h (0.59 ml)	5.5 l/h (0.51 ml)	4.5 l/h (0.42 ml)	4x6 (5x8)	5 m

FLOW RATE (l/h / bar)	FLOW RATE (INJECTION VOLUME) @ PRESSURE				HOSE IDxOD (mm) (*)	MAX SUCTION HEIGHT
	0.5 bar	6 bar	12 bar	25 bar		
04 25	12 l/h (1.16 ml)	5.3 l/h (0.49 ml)	4.5 l/h (0.41 ml)	3.3 l/h (0.31 ml)	4x6	5 m

FLOW RATE (l/h / bar)	FLOW RATE (INJECTION VOLUME) @ PRESSURE				HOSE IDxOD (mm) (*)	MAX SUCTION HEIGHT
	0.5 bar	4 bar	6 bar	10 bar		
03 10	9 l/h (0.85 ml)	4.2 l/h (0.39 ml)	3.5 l/h (0.32 ml)	3 l/h (0.28 ml)	4x6	n.a.
05 10	12 l/h (1.1 ml)	5.8 l/h (0.53 ml)	5 l/h (0.46 ml)	4.5 l/h (0.41 ml)	4x6 (5x8)	5 m
08 10	20 l/h (1.89 ml)	10.5 l/h (0.97 ml)	9 l/h (0.83 ml)	7.8 l/h (0.72 ml)	5x8	4 m

FLOW RATE (l/h / bar)	FLOW RATE (INJECTION VOLUME) @ PRESSURE				HOSE IDxOD (mm) (*)	MAX SUCTION HEIGHT
	0.5 bar	2 bar	4 bar	7 bar		
08 07	19 l/h (1.75 ml)	11 l/h (1 ml)	8.3 l/h (0.64 ml)	7 l/h (0.64 ml)	5x8	4 m
13 07	27 l/h (2.55 ml)	15.5 l/h (1.44 ml)	12 l/h (1.13 ml)	9.5 l/h (0.87 ml)	5x8	3 m

FLOW RATE (l/h / bar)	FLOW RATE (INJECTION VOLUME) @ PRESSURE				HOSE IDxOD (mm) (*)	MAX SUCTION HEIGHT
	0.5 bar	1 bar	2 bar	4 bar		
13 04	21 l/h (1.98 ml)	18 l/h (1.67 ml)	15 l/h (1.41 ml)	12 l/h (1.13 ml)	5x8	3 m
20 02	30 l/h (2.75 ml)	26 l/h (2.42 ml)	19.4 l/h (1.8 ml)	-	9x12	2 m
20 04	26 l/h (2.4 ml)	22.5 l/h (2.1 ml)	16.5 l/h (1.53 ml)	15 l/h (1.37 ml)	9x12	2 m
32 02	36 l/h (3.35 ml)	32 l/h (2.93 ml)	28 l/h (2.61 ml)	-	9x12	2 m

(*) Warning! In case of HV head for dosing highly viscous liquids, you need a hose 16x24 mm.
For models B (0510) and J (0516), if dosing medium viscous liquids (valves with spring), it is necessary to use a hose with diameter greater than the standard one; recommended size indicated in brackets.

Notes:

- The hydraulic specifications refer to pumps with standard head (only model F 0310 features a PKTT/AS head), mechanical stroke 100%, frequency 180 strokes/minute, ambient temperature 25°C, dosage of no viscous liquid (water) with a 5 m delivery hose.
- For pumps with AS dosing head (self-bleeding), consider a flow rate yield reduced by 25-30%.
- The max suction height values refer to pumps with standard dosing head, with injection and suction lines totally full of liquid.



Standard version of PSP pumps (PKT, cable with Schuko socket)

FLOW RATE (l/h / bar)
02 16
03 10 (#)
04 16
04 25 (*)
05 10
05 16
08 07
08 10
13 04
13 07
20 02
20 04
32 02

All pumps are supplied with standard accessory kit (foot filter; injection valve; hoses for suction, delivery and bleeding lines), kit fittings, cables with M8 connector for inputs / outputs wiring.

- (#) The 0310 model is only available with PKTT/AS head with “full PTFE” diaphragm and it is supplied with PTFE hose (4x6 mm, 10 m), injection valve without spring and foot filter.
- (*) The 0425 model is supplied without standard accessories.

Versions with optional inputs / outputs

DESCRIPTION	PART NO.
Pump with FLOW input	
Pump with level probe included	
Pump with alarm relay, supplied with connection cable	
Pump with relay for pulse repetition	
Cable for pulse repetition, L=50 cm	80099252
Cable for pulse repetition, L=2 m	80099250
Pump with RS485 / Modbus, supplied with connection cable	



Dosing Head

TYPE	HEAD MATERIAL	VALVE BALLS	SEALS	NOTES
PKT	PVDF	Ceramic	PTFE	Standard head
PKT/AS	PVDF	Ceramic	PTFE	PKT head with 2-way self-bleeding valve, only for models 0216, 0510, 0516
MKV	Methacrylate	Ceramic	FPM	Only for models 0216, 0510, 0516
PKT500-1	PVDF	Ceramic	PTFE	Valves with spring for dosing viscous liquids up to 500 cP, flow rates ≤ 5 l/h
PKT500-2	PVDF	Ceramic	PTFE	Valves with spring for dosing viscous liquids up to 500 cP, flow rates ≥ 8 l/h
PKT-HV	PVDF	Ceramic	PTFE	Head for dosing highly viscous liquids up to 3000 cP, flow rates ≥ 5 l/h (no 3202)
PTT	PVDF	PTFE	PTFE	
PTT500-1	PVDF	PTFE	PTFE	Valves with spring for dosing viscous liquids up to 500 cP, flow rates ≤ 5 l/h
PTT500-2	PVDF	PTFE	PTFE	Valves with spring for dosing viscous liquids up to 500 cP, flow rates ≥ 8 l/h
PKTT/AS	PVDF	Ceramic	PTFE	PKT head with "full PTFE" diaphragm and 2-way self-bleeding valve
MKV/AS	Methacrylate	Ceramic	FPM	MKV head with 3-way self-bleeding valve (only for 0216 model)
MKVT/AS	Methacrylate	Ceramic	FPM	MKV head with "full PTFE" diaphragm and 3-way self-bleeding valve (only for 0216 pump size)
PKT	PVDF	Ceramic	PTFE	Pumps supplied with PTFE hoses
PKT/AS	PVDF	Ceramic	PTFE	
PTT	PVDF	PTFE	PTFE	

OPTIONS WITH SURCHARGE

Dosing head with PTFE balls valves

Pump with accessory kit with PTFE hoses



PKT standard head



MKV head



HV (high viscosity) head

NOVA NSP SERIES

SOLENOID-DRIVEN
DOSING PUMPS
WITH DIAPHRAGM -
PROFESSIONAL LINE,
WALL INSTALLATION





More info



Optional connectivity
SteieLynx



Inbuilt Timer
for timed dosage



Modbus
RS485 Serial communication



Intuitive menu
user-friendly



AUTASET function for quick
setup of the working mode.

Standard

CONTROL input

LEV input for level
sensor

Counters of dosed
litres, strokes and
working hours of the
membrane

Manual priming
function



Optional

FLOW input for injection
flow control

Alarm relay

Pulse repetition relay

RS485/Modbus RTU port

Inbuilt Timer



Multifunctional connector for
consent (pause) / pulse / mA
inputs.



Password-protected Service
menu.

NOVA NSP SERIES



- **Intuitive configuration** protected by three-level password
- Bilingual interface (English/Italian), with backlit alphanumeric display
- Multifunctional connector for external consent / pulse / mA inputs, and input for level sensor
- Counters of injected litres, working hours and strokes of the diaphragm
- **“Service” Menu**
- **“Autoset” Function** for a quick configuration
- **“Reset” Function** to restore factory values
- **“Flow Control”** optional input for **injection flow control** and **self-priming function**
- Optional output: alarm (NO/NC) or pulse repetition relay
- **RS485** optional serial port **with galvanic insulation** and **Modbus RTU** communication protocol, also for connection with **SteieLynx gateway**
- **“Timer” option** for dosage scheduling at set days and times, with management of 14 daily events or 2 daily events on 7 days, automatic updating of winter / summer time
- Internal system for overheating control / safety
- **Anti-leakage system** towards the magnet
- Casing made of PP-FG with V-0 UL flame classification
- IP65-rated housing; dimensions: 226 x 115 x 175 mm (wiring excluded)
- Power supply, standard: 230 V~ (cable with plug); on request: 115 V~

Available models

- **NSP161** Multifunctional pump with pulse / external consent / mA inputs; pulse command or from analog input, batch mode, duty cycle
- **NSP162** Pump with inbuilt pH/ORP meter and electrode input on BNC connector
- **NSP163A** Pump with inbuilt chlorine meter and input for CLE11 / CLE12 cell on M8 connector

Hydraulic Characteristics

MODEL (FLOW RATE)	FLOW RATE (INJECTION VOLUME) @ PRESSURE						HOSE IDxOD (mm)
	0.5 bar	4 bar	8 bar	12 bar	16 bar	20 bar	
B0220	11.7 l/h (1.08 ml)	4.3 l/h (0.41 ml)	3.2 l/h (0.3 ml)	2.8 l/h (0.26 ml)	2.3 l/h (0.2 ml)	2.0 l/h (0.20 ml)	4x6
C0512	15.8 l/h (1.47 ml)	7.9 l/h (0.73 ml)	6.4 l/h (0.59 ml)	5.6 l/h (0.52 ml)	-	-	4x6
D0808	19.8 l/h (1.83 ml)	11.3 l/h (1.04 ml)	8.0 l/h (0.74 ml)	-	-	-	5x8

MODEL (FLOW RATE)	FLOW RATE (INJECTION VOLUME) @ PRESSURE				HOSE IDxOD (mm)
	0.5 bar	2 bar	3 bar	4 bar	
E1504	26.7 l/h (2.47 ml)	18.6 l/h (1.72 ml)	17.2 l/h (1.55 ml)	15.3 l/h (1.42 ml)	5x8
F1903	26.5 l/h (2.46 ml)	20.8 l/h (1.93 ml)	18.6 l/h (1.72 ml)	-	9x12



NOVA NSP pumps, standard version (PKT, 230V, cable with Schuko plug)

ITEM	DESCRIPTION	PART NO.
NSP161 PKT B0220	NSP161 Pump, 2 l/h @ 20 bar, 230 V~, hose 4x6	91A00B0220210S2000A10
NSP161 PKTT/AS B0310	NSP161 Pump 3 l/h a 10 bar, 230 V~, tubo 4x6	91A00B0310B50S2000A10
NSP161 PKT C0512	NSP161 Pump 5 l/h a 12 bar, 230 V~, tubo 4x6	91A00C0512210S2000A10
NSP161 PKT D0808	NSP161 Pump 8 l/h a 8 bar, 230 V~, tubo 5x8	91A00D0808210S2000A10
NSP161 PKT E1504	NSP161 Pump 15 l/h a 4 bar, 230 V~, tubo 5x8	91A00E1504210S2000A10
NSP161 PKT F1903	NSP161 Pump 19 l/h a 3 bar, 230 V~, tubo 9x12	91A00F1903210S2000A10
NSP162 PKT B0220	NSP161 Pump 2 l/h a 20 bar, 230 V~, tubo 4x6	91B00B0220210S2000A10
NSP162 PKT C0512	NSP161 Pump 5 l/h a 12 bar, 230 V~, tubo 4x6	91B00C0512210S2000A10
NSP162 PKT D0808	NSP161 Pump 8 l/h a 8 bar, 230 V~, tubo 5x8	91B00D0808210S2000A10
NSP162 PKT E1504	NSP161 Pump 15 l/h a 4 bar, 230 V~, tubo 5x8	91B00E1504210S2000A10
NSP162 PKT F1903	Pompa NSP162 19 l/h a 3 bar, 230 V~, tubo 9x12	91B00F1903210S2000A10
NSP163A PKT B0220	Pompa NSP163A 2 l/h a 20 bar, 230 V~, tubo 4x6	91C01B0220210S4000A10
NSP163A PKT C0512	Pompa NSP163A 5 l/h a 12 bar, 230 V~, tubo 4x6	91C01C0512210S4000A10
NSP163A PKT D0808	Pompa NSP163A 8 l/h a 8 bar, 230 V~, tubo 5x8	91C01D0808210S4000A10
NSP163A PKT E1504	Pompa NSP163A 15 l/h a 4 bar, 230 V~, tubo 5x8	91C01E1504210S4000A10
NSP163A PKT F1903	Pompa NSP163A 19 l/h a 3 bar, 230 V~, tubo 9x12	91C01F1903210S4000A10

All pumps are supplied with standard accessory kit (foot filter; injection valve; hoses for suction, delivery and bleed lines), fittings kit, wall-mounting bracket, cable with M8 connector for CONTROL input wiring.

Standard version of the NSP161 B0310 model includes a PKTT/AS head with “full PTFE” diaphragm, supplied with PTFE hose (4x6 mm, 10 m), injection valve without spring and foot filter.

NOVA NSP versions with optional inputs / outputs

DESCRIPTION	PART NO.
Pump with FLOW input	
Pump with level probe included	
Pump with alarm relay, supplied with connection cable	
Pump with relay for pulse repetition	
Cable for pulse repetition, L=50 cm	80099252
Cable for pulse repetition, L=2 m	80099250
Pump with Timer	
Pump with RS485 / Modbus, supplied with connection cable	

Notes:

- The hydraulic specifications refer to pumps with standard head, frequency 180 strokes/minute, ambient temperature 25°C, dosage of no viscous liquid (water) with a 5 m delivery hose.
- For pumps with AS dosing head (self-bleeding), consider a flow rate yield reduced by 25-30%.



Dosing Head

TYPE	HEAD MATERIAL	VALVE BALLS	SEALS	NOTES
PKT	PVDF	Ceramic	PTFE	Standard head
PKT/AS	PVDF	Ceramic	PTFE	PKT head with 2-way self-bleeding valve, only for models B0220, C0512
MKV	Methacrylate	Ceramic	FPM	Only for models B0220, C0512
PKT500-1	PVDF	Ceramic	PTFE	Valves with spring for dosing viscous liquids up to 500 cP, flow rates ≤ 5 l/h
PKT500-2	PVDF	Ceramic	PTFE	Valves with spring for dosing viscous liquids up to 500 cP, flow rates ≥ 8 l/h
PTT	PVDF	PTFE	PTFE	
PTT500-1	PVDF	PTFE	PTFE	Valves with spring for dosing viscous liquids up to 500 cP, flow rates ≤ 5 l/h
PTT500-2	PVDF	PTFE	PTFE	Valves with spring for dosing viscous liquids up to 500 cP, flow rates ≥ 8 l/h
PKTT/AS	PVDF	Ceramic	PTFE	PKT head with "full PTFE" diaphragm and 2-way self-bleeding valve
MKV/AS	Methacrylate	Ceramic	FPM	MKV head with 3-way self-bleeding valve (only for B0220 model)
MKVT/AS	Methacrylate	Ceramic	FPM	MKV head with "full PTFE" diaphragm and 3-way self-bleeding valve (only for B0220 model)

OPTIONS WITH SURCHARGE

Dosing head with PTFE balls valves

Pump with accessory kit with PTFE hoses





NOVA NSE SERIES

SOLENOID-DRIVEN
DOSING PUMPS
WITH DIAPHRAGM -
BASIC LINE,
WALL INSTALLATION





[More info](#)



Exact adjustment
of dosing strokes



Manual priming function



High-quality hydraulics
for top-level performance



Quality/price ratio
unrivalled



Standard

On-Off Working mode

Three-digit, red LED
display

Manual priming
function



Depending on model

NSE155 / NSE157:
Input for level sensor

NSE157:
CONTROL input for pulse
command

NOVA NSE SERIES



- **Anti-leakage system** towards the magnet
- Internal system for overheating control / safety
- Casing made of PP-FG with V-0 UL flame classification
- IP65-rated housing
- Dimensions: 226 x 115 x 175 mm (wiring excluded)
- Power supply: 230 V~ (standard); 115 V~ (on request)

Available models

- **NSE150** On-Off pump, basic model
- **NSE155** On-Off pump with input for level sensor
- **NSE157** Pump with pulse command and input for level sensor

NOVA NSE pumps, standard version (PKT, 230V, cable with Schuko plug)

ITEM	DESCRIPTION	PART NO.
NSE150 PKT B0220	Pump NSE150 2 l/h @ 20 bar, 230 V~, hose 4x6	91100B0220210S0000A00
NSE150 PKT C0512	Pump NSE150 5 l/h @ 12 bar, 230 V~, hose 4x6	91100C0512210S0000A00
NSE150 PKT D0808	Pump NSE150 8 l/h @ 8 bar, 230 V~, hose 5x8	91100D0808210S0000A00
NSE150 PKT E1504	Pump NSE150 15 l/h @ 4 bar, 230 V~, hose 5x8	91100E1504210S0000A00
NSE150 PKT F1903	Pump NSE150 19 l/h @ 3 bar, 230 V~, hose 9x12	91100F1903210S0000A00
NSE155 PKT B0220	Pump NSE155 2 l/h @ 20 bar, 230 V~, hose 4x6	91200B0220210S1000A00
NSE155 PKT C0512	Pump NSE155 5 l/h @ 12 bar, 230 V~, hose 4x6	91200C0512210S1000A00
NSE155 PKT D0808	Pump NSE155 8 l/h @ 8 bar, 230 V~, hose 5x8	91200D0808210S1000A00
NSE155 PKT E1504	Pump NSE155 15 l/h @ 4 bar, 230 V~, hose 5x8	91200E1504210S1000A00
NSE155 PKT F1903	Pump NSE155 19 l/h @ 3 bar, 230 V~, hose 9x12	91200F1903210S1000A00
NSE157 PKT B0220	Pump NSE157 2 l/h @ 20 bar, 230 V~, hose 4x6	91300B0220210S2000A00
NSE157 PKT C0512	Pump NSE157 5 l/h @ 12 bar, 230 V~, hose 4x6	91300C0512210S2000A00
NSE157 PKT D0808	Pump NSE157 8 l/h @ 8 bar, 230 V~, hose 5x8	91300D0808210S2000A00
NSE157 PKT E1504	Pump NSE157 15 l/h @ 4 bar, 230 V~, hose 5x8	91300E1504210S2000A00
NSE157 PKT F1903	Pump NSE157 19 l/h @ 3 bar, 230 V~, hose 9x12	91300F1903210S2000A00

All pumps are supplied with standard accessory kit (foot filter; injection valve; hoses for suction, delivery and bleed lines), fittings kit and wall-mounting bracket.

Notes:

- The hydraulic specifications refer to pumps with standard head, frequency 180 strokes/minute, ambient temperature 25°C, dosage of no viscous liquid (water) with a 5 m delivery hose.
- For pumps with AS dosing head (self-bleeding), consider a flow rate yield reduced by 25-30%.



Dosing Head

TYPE	HEAD MATERIAL	VALVE BALLS	SEALS	NOTES
PKT	PVDF	Ceramic	PTFE	Standard head
PKT/AS	PVDF	Ceramic	PTFE	PKT head with 2-way self-bleeding valve, only for models B0220, C0512
MKV	Methacrylate	Ceramic	FPM	Only for models B0220, C0512
PKT500-1	PVDF	Ceramic	PTFE	Valves with spring for dosing viscous liquids up to 500 cP, flow rates ≤ 5 l/h
PKT500-2	PVDF	Ceramic	PTFE	Valves with spring for dosing viscous liquids up to 500 cP, flow rates ≥ 8 l/h
PTT	PVDF	PTFE	PTFE	
PTT500-1	PVDF	PTFE	PTFE	Valves with spring for dosing viscous liquids up to 500 cP, flow rates ≤ 5 l/h
PTT500-2	PVDF	PTFE	PTFE	Valves with spring for dosing viscous liquids up to 500 cP, flow rates ≥ 8 l/h
PKTT/AS	PVDF	Ceramic	PTFE	PKT head with "full PTFE" diaphragm and 2-way self-bleeding valve
MKV/AS	Methacrylate	Ceramic	FPM	MKV head with 3-way self-bleeding valve (only for B0220 model)
MKVT/AS	Methacrylate	Ceramic	FPM	MKV head with "full PTFE" diaphragm and 3-way self-bleeding valve (only for B0220 model)

OPTIONS WITH SURCHARGE

Pump with level probe included (NSE155, NSE157)

Dosing head with PTFE balls valves

Pump with accessory kit with PTFE hoses

Hydraulic Characteristics

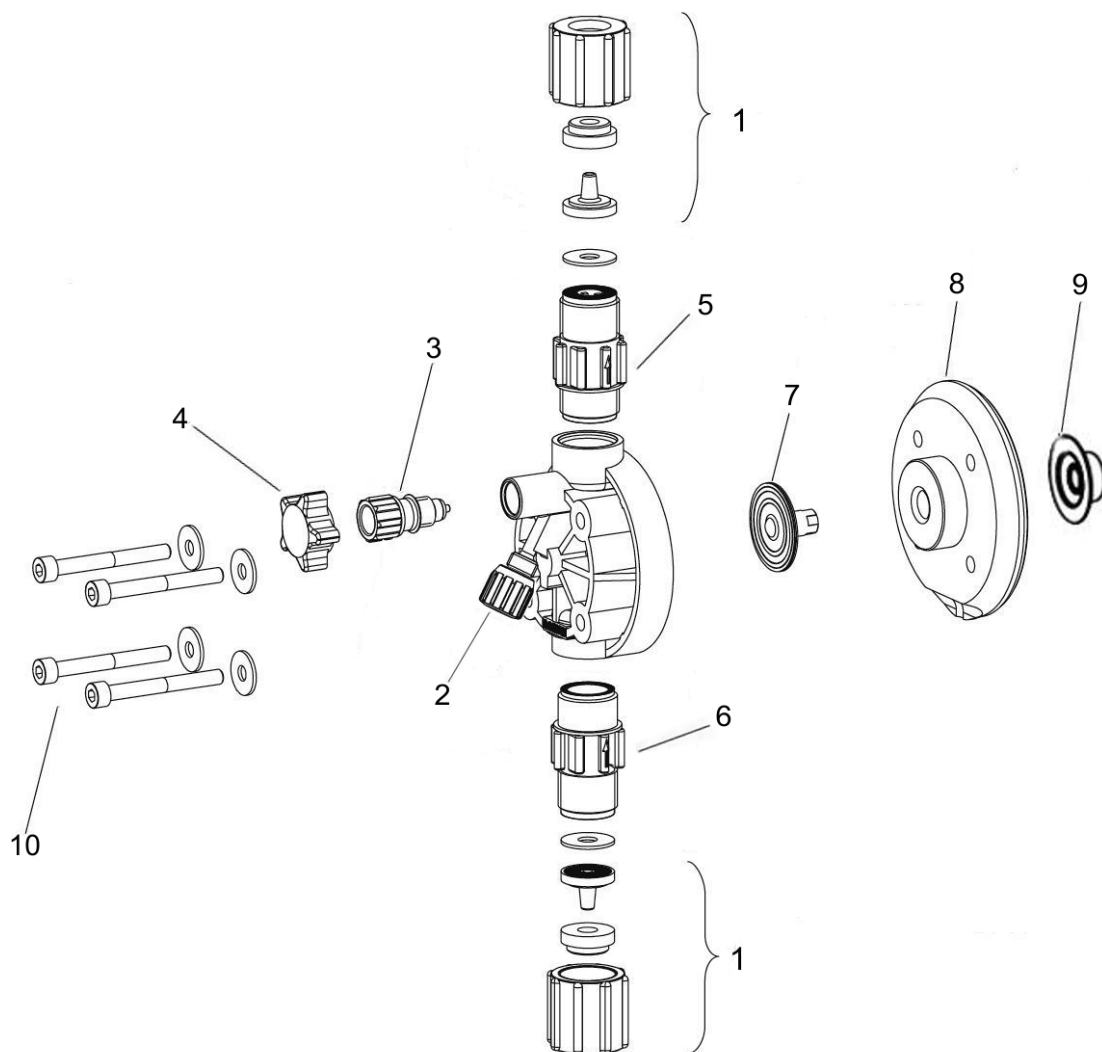
MODEL (FLOW RATE)	FLOW RATE (INJECTION VOLUME) @ PRESSURE						HOSE IDxOD (mm)
	0.5 bar	4 bar	8 bar	12 bar	16 bar	20 bar	
B0220	11.7 l/h (1.08 ml)	4.3 l/h (0.41 ml)	3.2 l/h (0.3 ml)	2.8 l/h (0.26 ml)	2.3 l/h (0.2 ml)	2.0 l/h (0.20 ml)	4x6
C0512	15.8 l/h (1.47 ml)	7.9 l/h (0.73 ml)	6.4 l/h (0.59 ml)	5.6 l/h (0.52 ml)	-	-	4x6
D0808	19.8 l/h (1.83 ml)	11.3 l/h (1.04 ml)	8.0 l/h (0.74 ml)	-	-	-	5x8

MODEL (FLOW RATE)	FLOW RATE (INJECTION VOLUME) @ PRESSURE				HOSE IDxOD (mm)
	0.5 bar	2 bar	3 bar	4 bar	
E1504	26.7 l/h (2.47 ml)	18,6 l/h (1.72 ml)	17.2 l/h (1.55 ml)	15.3 l/h (1.42 ml)	5x8
F1903	26.5 l/h (2.46 ml)	20,8 l/h (1.93 ml)	18.6 l/h (1.72 ml)	-	9x12



Accessories & Spare Parts

PROXIMA & NOVA SERIES



ITEM	DESCRIPTION	MODEL	PART. NO
	Standard PKT dosing head, with ring nuts and screws	0216, 0220	9700310A/PKT
		0416, 0425	9700310H/PKT
		0510, 0512	9700310B/PKT
		0807, 0810, 0808	9700310L/PKT
		1304, 1307, 1504	9700310C/PKT
		2002, 2004, 1903	9700310D/PKT
		3202	9700310E/PKT
	PKT/AS dosing head with 2-way self-bleeding valve, complete with ring nuts and screws	0216, 0220	9700311A/PKT
		0310	9700311F/PKT
		0510, 0512	9700311B/PKT
	Surcharge for PKT head with springs, for dosing liquids with viscosity up to 500 mPa•s	Flow rates ≤ 5 l/h	-
		Flow rates ≥ 8 l/h	-
	Surcharge for PKT-HV dosing head for highly viscous liquids, up to 3000 mPa•s	Flow rates ≥ 5 l/h (no 3202)	-



REF. DWG	DESCRIPTION	MODEL	PART. NO
Ref. 1 (2 pc.) + 5 + 6 + 3 + 7 + 9	Kit for the complete maintenance of standard PKT dosing head	0216, 0220	97003000/PKT
		0416, 0425	97003006/PKT
		0510, 0512	97003001/PKT
		0807, 0810, 0808	97003005/PKT
		1304, 1307, 1504	97003002/PKT
		2002, 2004, 1903	97003003/PKT
		3202	97003004/PKT
	Kit for the complete maintenance of PKT-HV head for dosing highly viscous liquids	0510	9700300B/PKT
		0807, 0810	9700300L/PKT
		1304, 1307	9700300C/PKT
		2002, 2004	9700300D/PKT
	Kit for the complete maintenance of PKT/AS head with self-bleeding valve	0216, 0220	97003000/PKT-AS
		0510, 0512	97003001/PKT-AS
	Kit for the complete maintenance of PKTT/AS head with "full PTFE" diaphragm	0310	97003007/PKTT-AS
Ref. 1	Kit fittings for hose...	4x6 mm	97003090
		5x8 mm	97003093
		9x12 mm	97003096
	Flat gaskets for fittings of PROXIMA / NOVA pumps, kit 10 pieces	FPM	97000315V
		EPDM	97000315E
		PTFE	97000315T
Ref. 2	Hose-tightening ring for bleeding	-	97003183
Ref. 3	Bleeding valve	-	97003180
Ref. 4	Bleeding knob	-	97003184
Ref. 5	PKT delivery valve	0216, 0220	9700333A
		0510, 0512	9700333B
		1304, 1307, 1504	9700333C
		2002, 2004, 1903	9700333D
		3202	9700333E
Ref. 6	PKT suction valve	0216, 0220	9700332A
		0510, 0512	9700332B
		1304, 1307, 1504	9700332C
		2002, 2004, 1903	9700332D
		3202	9700332E
Ref. 7	Multi-layer diaphragm: high quality EPDM, tissue-reinforced, steel core and PTFE coating on the side in contact with the liquid	0216, 0220	97003010
		0416, 0425	97003016
		0510, 0512	97003011
		0807, 0810, 0808	97003015
		1304, 1307, 1504	97003012
		2002, 2004, 1903	97003013
		3202	97003014
	"Full PTFE" diaphragm	0310	97003017
		0610	97003018



ITEM	DESCRIPTION	MODEL	PART. NO
Ref. 7 + 8 + 10	Kit: "Full PTFE" diaphragm + plate + screws	0310	97003197
		0610	97003198
Ref. 9	Safety membrane	-	70110063
Ref. 10	Kit of galvanized screws for dosing head, L=45 mm	0216, 0220, 0416, 0425	97003225
	Kit of galvanized screws for dosing head, L=50 mm	0510, 0512, 0807, 0810, 0808	97003226
	Kit of galvanized screws for dosing head, L=55 mm	1304, 1307, 1504, 2002, 2004, 1903	97003227
	Kit of galvanized screws for dosing head, L=40 mm	3202	97003228
	PKT foot valve with filter, fitting for hose...	4x6 mm	97003020/PKT
		5x8 mm	97003021/PKT
		9x12 mm	97003022/PKT
	PKT injection valve with spring loaded at 0.5 bar, fitting for hose...	4x6 mm	97003030/PKT
		5x8 mm	97003031/PKT
		9x12 mm	97003032/PKT
	PKT injection valve with Hastelloy C4 spring loaded at 1 bar, fitting for hose...	4x6 mm	97003040/PKT
		5x8 mm	97003041/PKT
		9x12 mm	97003042/PKT
	PKT injection valve with Hastelloy C4 spring loaded at 2 bar, fitting for hose...	4x6 mm	97003043/PKT
		5x8 mm	97003044/PKT
		9x12 mm	97003045/PKT
	PKT injection valve with FEP coated Hastelloy C4 spring loaded at 1 bar, fitting for hose...	4x6 mm	97003046/PKT
		5x8 mm	97003047/PKT
		9x12 mm	97003048/PKT
	PKT injection valve without spring, fitting for hose...	4x6 mm	97003240/PKT
	Steel injection valve for high temperature (max 200°C), max 30 bar, with FPM seals, fitting for hose	4x6 mm	97003250
	Standard accessory kit: PVC Crystal hose (2 m), PE hose (5 m), PKT foot valve, PKT injection valve	4x6 mm	97003200/PKT
		5x8 mm	97003201/PKT
		9x12 mm	97003202/PKT
	Kit PTFE: PTFE hose (10 m), PKT foot valve, PKT injection valve	4x6 mm	97003206/PKT
		5x8 mm	97003207/PKT
		9x12 mm	97003208/PKT
	Kit LEGION: PTFE hose (10 m), PKT injection valve without spring	4x6 mm	97003203/PKT
Kit 16x24	Injection valve for highly viscous liquids and reinforced PVC hose 16x24 mm (7 m)	PVC-HV	97003209
		PKT-HV	97003209/PKT
	Injection valve 16-3/8" DN10 for highly viscous liquids, fitting for hose 16x24 mm	PVC-HV	97003049
		PKT-HV	97003049/PKT
	Reinforced PVC hose 16x24 mm, max 15 bar @ 20 °C, 50 m coil (price per meter)	HV heads	36504108



ITEM	DESCRIPTION	MODEL	PART. NO
	Level probe with 2 m PUR cable and M8 plastic connector for NOVA / PROXIMA pumps	SLP-C	97009032
	Foot filter with inbuilt level probe with 2 m cable and M8 connector for NOVA / PROXIMA pumps	-	97000517
	PUR cable with M8 F plastic connector, L = 2 m	CAV2M8D/P	80099262
	PUR cable with M8 F plastic connector, L = 5 m	CAV5M8D/P	80099264
	PVC cable with double M8 F plastic connector, for pulse repetition, L = 2 m	CAV2M8-M8/P	80099252
	PVC cable with double M8 F plastic connector, for pulse repetition, L = 50 cm	CAV0M8-M8/P	80099250
	M8 female plastic connector	CON16/FP	51300545
	Anti-siphon, short dosing extension, PKT with Hastelloy C spring pre-loaded @ 1 bar, 1/2" connection; pressure max 16 bar @ 25 °C. Fitting for hose...	4x6 mm	
		5x8 mm	
		9x12 mm	
	Version with FEP coated spring	-	-
	PVC-U adapter for connection to hard PVC pipes. Fitting for hose...	4x6 mm	97003214
		5x8 mm	97003215
		9x12 mm	97003216
	Signal splitter up to 4 channels	Not powered	80620002
		Power supply 90-240 V~	80620012
	Graduated plastic cylinder (500 ml) for pump calibration	-	35999120
	PVC Crystal hose, 100 m coil	4x6 mm	97010303
		5x8 mm	97010306
	PVC Crystal hose, 50 m coil	9x12 mm	97010215
	PE Crystal hose, 100 m coil	4x6 mm	97013303
		5x8 mm	97013306
	PE Crystal hose, 50 m coil	9x12 mm	97013215
	PTFE hose, 100 m coil (*)	4x6 mm	97012303
		5x8 mm	97012206
	PTFE hose, 50 m coil (*)	9x12 mm	97012215

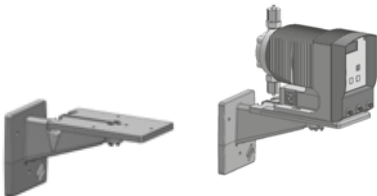
(*) Coil length of PTFE hoses may differ from the standard one. Ask for confirm upon order.



n. 102.019.000.012.612

SMP18 Bracket

- Exclusive bracket with **rotating support**, designed and patented by STEIEL
- Wall- mounting of PROXIMA PSP pumps
- **Rotation up to 360°** for easy operations on the pump dosing head
- Slots for suction and drain **tubes housing**
- Supplied complete with screws and dowels for wall mounting, screws and nuts to fix pump on bracket
- Also available as SMP19 version, with installation kit to mount STEIEL wall pumps on tank

ITEM	DESCRIPTION	PART NO.
	SMP18: Patented bracket with rotating support for wall installation of PROXIMA PSP pumps	97000504
	SMP19: Bracket with screws to install NOVA dosing pumps on tank	97000505

Other models

ITEM	DESCRIPTION	PART NO.
	SMP17: Bracket for wall installation of PROXIMA PSP pumps with HV head	97000502
	SMP-NOVA: Bracket with screws for wall installation of NOVA dosing pumps	97000506
	SMP-EVO: Bracket with screws for wall installation of two NOVA dosing pumps	97000507



Multifunctional Valves



- **Protect the dosing line from over-pressures** in case of interruptions along the line
- **Prevent the siphon effect** from the suction tank
- **Help the pump priming** in case of start in the presence of back pressure
- **Useful to vent the dosing line** during maintenance
- Working temperature: -10 ... +45 °C
- Back-pressure max 1.5 bar
- Supplied with double kit of seals, FPM and EPDM
- Hydraulic connections for direct installation on the delivery valve of PROXIMA and NOVA pumps
- Assembly with special adapter (expansion chamber) in case of dosing head with self-bleeding option

DESCRIPTION	PART NO.
MF valve, purge fitting for hose 4x6, opening pressure 16 bar; to be used with PSP (models 0216, 0416, 0510, 0516, 0807, 0810, 1304, 2002) and NOVA pumps	97003910
MF valve, purge fitting for hose 4x6, opening pressure 10 bar; to be used with PSP (models 0216, 0416, 0510, 0516, 0807, 0810, 1304, 2002) and NOVA pumps	97003911
MF valve, purge fitting for hose 4x6, opening pressure 6 bar; to be used with PSP (models 0216, 0416, 0510, 0516, 0807, 0810, 1304, 2002) and NOVA pumps	97003912
MF valve, purge fitting for hose 9x12, opening pressure 10 bar; to be used with PROXIMA PSP pumps (models 0425, 1307, 2004, 3202)	97003921
MF valve, purge fitting for hose 9x12, opening pressure 6 bar; to be used with PROXIMA PSP pumps (models 0425, 1307, 2004, 3202)	97003922
 Expansion chamber, white PVC, for installation of a multifunctional valve on a PKT/AS dosing head of PSP pumps with 2-way self-bleeding option	70100341



Assembly of the multifunctional valve directly on the pump delivery valve, on a standard dosing head.



Assembly of the multifunctional valve on PKT/AS dosing head, with expansion chamber.



n. 102.019.000.019.448

“FLOW CONTROL”



- **Flow sensor, designed and patented by STEIEL**
- Accurate and reliable monitoring of the injection liquid flow
- Supplied assembled, tested and complete with cable with M8 connector
- Direct mounting on delivery valve or with proper accessory in case of dosing head with self-bleeding option
- Connection to the FLOW (injection flow) input of the pump (contact closed for normal operation; contact open upon fault / alarm)
- **Working conditions: temperature 1...55 °C, pressure 0.5...25 bar, density of the dosed liquid max 1.25 g/cm³**
- Three models available, depending on the requested flow rate; easily identifiable thanks to the colour of the internal float

Warning! To choose the correct sensor, it is necessary to know the flow rate at the sensor inlet. Please refer to the table on the following page.

It is recommended to run pumps with standard PKT head with a minimum stroke of 50%. In the case of PKT/AS self-bleeding head, the minimum recommended stroke is 60%.

Note: The methacrylate body is not compatible with peracetic acid.

DESCRIPTION	SIZE	EFFECTIVE FLOW RATE	DOSING HEAD	PART. NO
“Flow Control” sensor for PROXIMA pumps, with 50 cm cable and M8 connector	A	0.8 ... 2 l/h	PKT	948A126211
			PKT/AS (*)	948A133211
	B	2 ... 7 l/h	PKT	948B126211
	C	7 ... 20 l/h	PKT	948C126211
	D	1 ... 6 l/h	PKT (**)	948D226211
Spare weight for “Flow Control”, size A (magenta)				94800003
Spare weight for “Flow Control”, size B (green)				94800001
Spare weight for “Flow Control”, size C (grey)				94800002

(*) Recommended PKTT/AS version.

(**) Model suitable for pumps which dose dense liquids, such as the concentrated corrosion inhibitor.



Direct assembly on the delivery valve of standard dosing head



Assembly on PKT/AS head, with aluminium support.



Guide to the choice of the “Flow Control” sensor according to the pump and its working conditions (back pressure and stroke adjustment).
Dosing of liquids with max density 1.25 g/cm³ and standard head.

The colours identify the size of the sensor, as shown in the legend.

Size	Flow rate (l/h)
A	0.8 ... 2
B	2 ... 7
C	7 ... 20

P (bar)	0,5				2				4				6				8			
Stroke %	30	50	70	100	30	50	70	100	30	50	70	100	30	50	70	100	30	50	70	100
PSP 0216	A	B	B	B	A	A	B	B	A	A	B	B	A	A	B	B	A	A	B	B
PSP 0416	B	B	B	C	A	B	B	B	A	A	B	B	A	A	B	B	A	A	B	B
PSP 0425	B	B	C	C	B	B	B	C	A	B	B	B	A	A	B	B	A	B	B	B
PSP 0510	B	B	C	C	B	B	B	B	A	B	B	B	A	A	B	B	A	B	B	B
PSP 0516	B	B	C	C	B	B	B	C	A	B	B	B	A	A	B	B	A	B	B	B
PSP 0807	B	C	C	C	B	B	C	C	B	B	B	C	B	B	B	C	B	B	B	B
PSP 0810	B	C	C	C	B	B	C	C	B	B	C	C	B	B	B	C	B	B	B	C
PSP 1304	B	C	C		B	B	C	C	B	B	C	C								
PSP 1307	C	C	C		B	C	C	C	B	B	C	C	B	B	C	C	B	B	B	C
PSP 2002					B	C	C	C												
PSP 2004					B	C	C	C	B	C	C	C								
PSP 3202					B	C	C													

P (bar)	10				12				14				16				18			
Stroke %	30	50	70	100	30	50	70	100	30	50	70	100	30	50	70	100	30	50	70	100
PSP 0216	A	A	A	A	A	A	A	A	A	A	A	A		A	A	A				
PSP 0416	A	A	B	B	A	A	B	B	A	A	B	B	A	A	B	B				
PSP 0425	A	B	B	B	A	B	B	B	A	A	B	B	A	A	B	B	A	A	B	B
PSP 0510	A	B	B	B																
PSP 0516	A	B	B	B	A	B	B	B	A	B	B	B	A	B	B	B				
PSP 0807																				
PSP 0810	B	B	B	C																
PSP 1304																				
PSP 1307																				
PSP 2002																				
PSP 2004																				
PSP 3202																				

Accessories & Spare Parts

ACCESSORIES FOR EF150 / EF155 / EF160 PUMPS

ITEM	DESCRIPTION	MODEL	PART. NO
	Spare dosing head, SGV	0212	97002100/SGV
		0506 / 1002	97002101/SGV
	Spare dosing head, SGE	0212	97002100/SGE
		0506 / 1002	97002101/SGE
	Spare dosing head, PGV	0212	97002100/PGV
		0506 / 1002	97002101/PGV
	Spare dosing head, PGE	0212	97002100/PGE
		0506 / 1002	97002101/PGE
	Spare dosing head, PGV, with self-bleeding valve	0506 / 1002	97002106/PGV
	Spare dosing head, PGE, with self-bleeding valve	0506 / 1002	97002106/PGE
	Kit of suction and delivery valves	SGV	97002000/SGV
		SGE	97002000/SGE
	Kit of suction and delivery valves	PGV	97002000/PGV
		PGE	97002000/PGE
	Kit fittings: hose-holder nozzle, hose locking ring and ring nut (10 pc.)	PVDF	97002003
	Kit of suction / delivery / bleeding valves, and O-ring for dosing head	SGV	97002001/SGV
		SGE	97002001/SGE
	Kit of suction / delivery / bleeding valves, and O-ring for dosing head	PGV	97002001/PGV
		PGE	97002001/PGE
	Maintenance kit: flange, diaphragm and FPM O-ring for dosing head	0212	97002020
		0506 / 1002	97002021
	Maintenance kit: flange, diaphragm and EPDM O-ring for dosing head	0212	97002040
		0506 / 1002	97002041
	Spare bleeding valve, PP with FPM seals	-	97002026
	Spare bleeding valve, PP with EPDM seals	-	97002046
	Spare bleeding valve, PVDF with FPM seals	-	97002025
	Spare bleeding valve, PVDF with EPDM seals	-	97002045
	Standard accessory kit: PP foot filter and injection valve, PVC Crystal hose (4x6 mm, 2+2 m), PE hose (4x6 mm, 2 m)	SGV, 4x6 mm	97002010/SGV
		SGE, 4x6 mm	97002010/SGE
	Standard accessory kit: PKT foot filter and injection valve, PVC Crystal hose (4x6 mm, 2 m), PE hose (4x6 mm, 5 m)	PKT, 4x6 mm	97003200/PKT



ITEM	DESCRIPTION	MODEL	PART. NO
	Foot valve with filter	PP/FPM	97002013/SGV
		PP/EPDM	97002013/SGE
		PVDF/PTFE	97003020/PKT
	Injection valve	PP/FPM	97002012/SGV
		PP/EPDM	97002012/SGE
		PVDF/PTFE	97003030/PKT
	Spare magnet	0212	97002130
		0506	97002131
		1002	97002132
	Bracket with screws for wall installation of EF150, EF155, EF160 pumps	-	97002140
	Bracket with screws for foot mounting of EF150, EF155, EF160 pumps	SMP19	97000505
	Level probe with 2 m PUR cable and connector for pumps EF110, EF125, EF145, EF150, EF155, and "Compact" units	SLP-B	97009031
	Level probe with 2 m PUR cable and M8 plastic connector for EF160 EVO pumps	SLP-C	97009032



EF150 Series



EF155 Series



EF160 EVO Series

PMF / PMS SERIES

PROFESSIONAL ELECTROMECHANICAL STIRRERS



- Series of **electromechanical** stirrers
- **Standard motors: three-phase 230/400 V~** (Δ/Y) 50 Hz, IEC, with IP55 aluminium casing and C2 painting
- Density: max 1.3 g/cm³ / Viscosity: max 100 cP
- On request, different voltages, special motors (e.g. ATEX, tropicalized, etc.) and different painting are available
- Worm gear box
- Various rod lengths available, for tanks from 100 to 1000 L
- Removable impeller with 3 or 4 blades inclined at 45°, or marine propeller



PMF Series - Professional electromechanical fast stirrers

- Speed: 1400 rpm @ 50 Hz
- Standard material for shaft and propeller: AISI316L

ITEM	SHAFT LENGTH (mm)	TANK (L)	MARINE PROPELLER (Ø)	MOTOR POWER (kW)	PART. NO
PMF-06TA	600	100	90 mm	0.18	892HAS00206
PMF-08TA	800	150	110 mm	0.18	892HAS00308
PMF-09TA	900	300	110 mm	0.25	892HAS00409
PMF-13TA	1150	500	130 mm	0.37	892HAS00711
PMF-14TA	1150	1000	140 mm	0.55	892HAS00811

Options with surcharge

DESCRIPTION
Wet parts in PP (shaft and marine propeller)
Models with single-phase motor, 230 V~ 50 Hz, IEC, IP55 casing
Models with three-phase motor, 230/460 V~ 60 Hz, IEC NEMA electric, IP55 casing
Models with single-phase motor, 110 V~ 60 Hz, IEC NEMA electric, IP55 casing



PMS Series - Professional electromechanical slow stirrers

- Speed: 140 / 200 rpm a 50 Hz
- Standard material for shaft and propeller: AISI316L

ITEM	SHAFT LENGTH (mm)	TANK (L)	IMPELLER		MOTOR POWER (kW)	PART. NO
			TYPE	(Ø mm)		
PMS-06TA	600	100	Marine propeller	140	0.12	892MAS00006
PMS-08TA	800	150	Marine propeller	140	0.12	892MAS00108
PMS-09TA	900	300	Marine propeller	160	0.18	892MAS00309
PMS-13TA	1150	500	Marine propeller	160	0.18	892MAS00311
PMS-14TA	1150	1000	4 blades	200	0.37	892JAS00711

Options with surcharge

DESCRIPTION
Wet parts in PP (shaft and marine propeller)
PP coating of wet parts (shaft and 3- or 4-bladed impeller)
Models with single-phase motor, 230 V~ 50 Hz, IEC, IP55 casing
Models with three-phase motor, 230/460 V~ 60 Hz, IEC NEMA electric, IP55 casing
Models with single-phase motor, 110 V~ 60 Hz, IEC NEMA electric, IP55 casing



TANKS



- Series of blue semi-transparent polyethylene (LLDPE) tanks
- Provision for drain outlet (1/2" for models up to 150 L; 1" for tanks from 300 to 1000 L)
- Visual indication of liquid level
- Filling hole with screw cap
- Series of safety containers (LLDPE)
- **Assembled dosing stations**, complete with stirrer, suction lance, dosing pumps

Tanks

ITEM		VOLUME	B (Ø)	H	CAP (Ø)	PART. NO
	S50	50 L	41 cm	46.5 cm	14 cm	36000003
	S100	100 L	47 cm	65 cm	14 cm	36000004
	S150	150 L	49 cm	86.5 cm	14 cm	36000005
	S300	300 L	67 cm	96.5 cm	21.5 cm	36000006
	S500	500 L	76 cm	119.5 cm	21.5 cm	36000007
	S1000	1000 L	108.5 cm	122.5 cm	31.5 cm	36000008

Safety containers

ITEM		TANK	A (Ø)	B (Ø)	H	PART. NO
	CAM50	S50	47 cm	43 cm	45 cm	36000009
	CAM100	S100	55 cm	50.5 cm	61 cm	36000010
	CAM150	S150	59.5 cm	54.5 cm	87.5 cm	36000011
	CAM300	S300	78 cm	71.5 cm	96 cm	36000013
	CAM500	S500	84.5 cm	81 cm	110.5 cm	36000015
	CAM1000	S1000	116.5 cm	123.5 cm	125.5 cm	36000016

Accessories

ITEM	DESCRIPTION	PART NO.	PART. NO
	Drain kit, 1/2" PVC-U/EPDM, for 50 / 100 / 150 L tank		89000085
	Drain kit, 1" PVC-U/EPDM, for 300 / 500 / 1000 L tank		89000086
	Vent kit for tanks		89000087
	PVC support with screws and fittings for	S50 tank	89000074
		S100 / S150 tanks	89000075
		S300 / S500 tanks	89000076
		S1000 tank	89000077
	Costs for components assembling on tank		



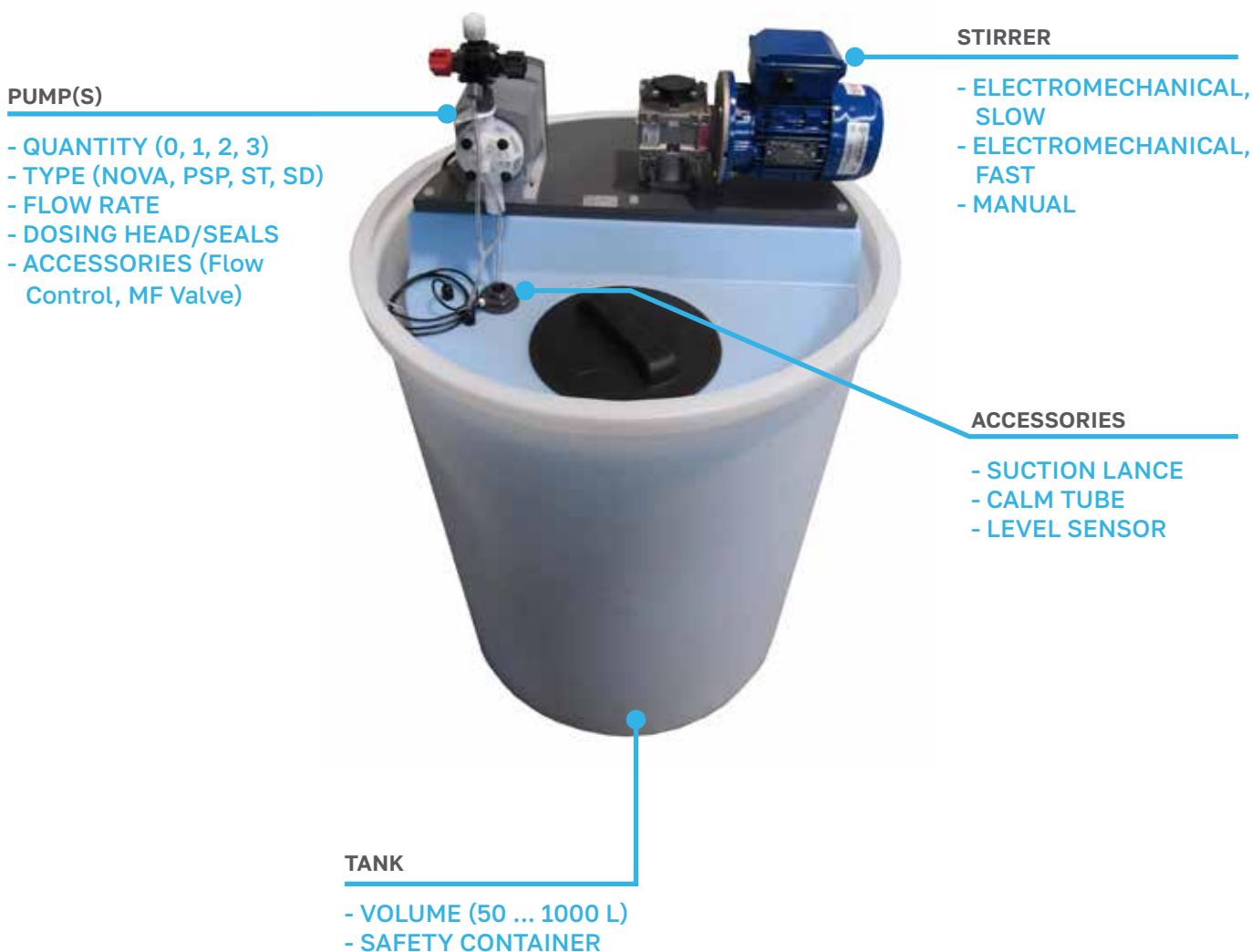
DOSING STATIONS

STEIEL dosing stations are factory assembled and delivered ready for installation in your system.

They can include one or more dosing pumps, a stirrer for mixing the chemical solution, and other accessories, depending on your specific needs.

It is always recommended to equip the storage tank with a safety container to avoid unwanted chemical spills.

AVAILABLE OPTIONS TO BUILD-UP A TAILOR-MADE DOSING STATION



DOSING SKIDS

STEIEL dosing skids, made of heat-sealed polypropylene sheet, are available in different sizes, even with compartment for chemicals tanks housing.

Depending on pumps (type and quantity) and accessories required, the assembly is done in a skid of suitable dimensions.

All models are equipped with an external panel with support terminal block and On/Off selector.

AVAILABLE OPTIONS TO BUILD-UP A TAILOR-MADE DOSING SKID

ACCESSORIES

- GRADUATED CYLINDER
- PULSATION DAMPNER
- MANOMETERS



PIPING MATERIAL

- PVC-U (standard)
- PVC-C
- PP
- PVDF

ADDITIONAL LINES

- OVER DOSAGE LINE
- WASHING LINE

PUMP(S)

- QUANTITY (1, 2, 3)
- TYPE (NOVA, PSP, ST, SD)
- FLOW RATE
- DOSING HEAD/SEALS
- ACCESSORIES (Flow Control, MF Valve)

FITTINGS

- BONDED UNIONS (standard)
- THREADED



CRU / CRM SERIES

PULSE-EMITTING WATER METERS - TURBINE TYPE

- Full range of volumetric water meter with reed standard pulse emitting device, MID001 approved according to the European Directive 2004/22/CE (modules B+D)
- Certification MI001 for use with sanitary water (no for HR models)
- Accuracy class 2, direct reading with 5 counter rollers, dry dial, magnetic transmission, different pulse rate options (litres/pulse), reed emitting device with 2 meter standard cable
- Product code to be completed with the desired pulse rate

CRU (single jet) / CRM (multi jet) Series

Turbine models for cold water

- Temperature max 30 °C
- Pressure max 16 bar

ITEM		CONNECTIONS		LENGTH	PART. NO
	CRU-012	1/2"	DN15	110 mm	9400000x
	CRM-012			145 mm	9400010x
	CRU-034	3/4"	DN20	130 mm	9400001x
	CRM-034			190 mm	9400011x
	CRM-100	1"	DN25	260 mm	9400012x
	CRM-114	1.1/4"	DN32	260 mm	9400013x
	CRM-112	1.1/2"	DN40	300 mm	9400014x
	CRM-200	2"	DN50	300 mm	9400015x

CRM-HT (multi jet) Series

Turbine models for hot water

- Temperature max 90 °C
- Pressure max 16 bar

ITEM		CONNECTIONS		LENGTH	PART. NO
	CRM-012HT	1/2"	DN15	110 mm	9400110x
	CRM-034HT	3/4"	DN20	130 mm	9400111x
	CRM-100HT	1"	DN25	260 mm	9400112x
	CRM-114HT	1.1/4"	DN32	260 mm	9400113x
	CRM-112HT	1.1/2"	DN40	300 mm	9400114x
	CRM-200HT	2"	DN50	300 mm	9400115x

CRM-HR (multi jet) Series

Turbine models with housing treated for use with aggressive liquids and special waters (demi, industrial wastewater, etc.)

- Temperature max 90 °C
- Pressure max 16 bar

ITEM	CONNECTIONS			LENGTH	PART. NO
	CRM-012HR	1/2"	DN15	110 mm	9400310x
	CRM-034HR	3/4"	DN20	130 mm	9400311x
	CRM-100HR	1"	DN25	260 mm	9400312x
	CRM-114HR	1.1/4"	DN32	260 mm	9400313x
	CRM-112HR	1.1/2"	DN40	300 mm	9400314x
	CRM-200HR	2"	DN50	300 mm	9400315x

For each model of turbine water meter, you can choose different pulse emitting rate, by completing the product part number as follows:

X	K REED (L/PULSE)	PULSE FREQUENCY	CONNECTIONS CRU / CRM
0	K0.25	4 pulses / 1 L	DN15 ... DN32
1	K1	1 pulse / 1 L	All models
2	K2.5	4 pulses / 10 L	All models
3	K10	1 pulse / 10 L	All models
4	K25	4 pulses / 100 L	All models
5	K100	1 pulse / 100 L	All models
6	K250	4 pulses / 1000 L	All models
7	K1000	1 pulse / 1000 L	All models

Accessories

ITEM	DESCRIPTION	PART NO.
CAV-REED 2	Reed cable for CRU / CRM series, L = 2 m	94002000
CAV-REED 3	Reed cable for CRU / CRM series, L = 3 m	94002001



CW SERIES

PULSE-EMITTING WATER METERS - FLANGED TYPE

- Full range of volumetric water meter with reed standard pulse emitting device, MID001 approved according to the European Directive 2004/22/CE (modules B+D)
- Certification MI001 for use with sanitary water
- Accuracy class 2, direct reading with 5 counter rollers, dry dial, magnetic transmission, different pulse rate options (litres/pulse), reed emitting device with 2 meter standard cable
- Product code to be completed with the desired pulse rate

CW Series

Flanged Woltmann models for cold water

- Temperature max 50 °C
- Pressure max 16 bar

ITEM	CONNECTIONS			LENGTH	PART. NO
	CW-05C	2"	DN50	200 mm	9401005x
	CW-06C	2.1/2"	DN65	200 mm	9401006x
	CW-08C	3"	DN80	225 mm	9401008x
	CW-10C	4"	DN100	250 mm	9401010x
	CW-12C	5"	DN125	250 mm	9401012x
	CW-15C	6"	DN150	300 mm	9401015x
	CW-20C	8"	DN200	350 mm	9401020x
	CW-25C	10"	DN250	450 mm	9401025x

CW-HT Series

Flanged Woltmann models for hot water

- Temperature max 90 °C
- Pressure max 16 bar

ITEM	CONNECTIONS			LENGTH	PART. NO
	CW-05HT	2"	DN50	200 mm	9401105x
	CW-06HT	2.1/2"	DN65	200 mm	9401106x
	CW-08HT	3"	DN80	225 mm	9401108x
	CW-10HT	4"	DN100	250 mm	9401110x
	CW-12HT	5"	DN125	250 mm	9401112x
	CW-15HT	6"	DN150	300 mm	9401115x

For each model of Woltmann water meter, you can choose different pulse emitting rate, by completing the product part number as follows:

X	K REED (L/PULSE)	PULSE FREQUENCY	CONNECTIONS CW
4	K25 - K250	4 pulses / 100 L - 1000 L	DN50 ... DN200
5	K100 - K1000	1 pulse / 100 L - 1000 L	DN50 ... DN200
7	K1000 - K10000	1 pulse / 1000 L - 10000 L	DN250



ST / SD SERIES

MOTOR-DRIVEN DOSING PUMPS

MECHANICAL DIAPHRAGM SERIES

HYDRAULIC DIAPHRAGM SERIES

PISTON SERIES

STEIEL offers a wide range of spring-return motor pumps, suitable for industrial water treatment applications, from wastewater and process water to the food and beverage industry, paper mills, fertigation, paint industry, boilers, and much more. **Contact STEIEL for specific solutions for your system.**

- Models available with flow rates up to 4000 l/h, capable of operating at back pressures of up to 20 bar
- Mechanical or hydraulic diaphragm pumps, piston pumps; with single, double, or triple heads
- Mechanical parts in oil bath
- Vertical motor with electric worm gear reducer; asynchronous three-phase (standard) or single-phase (optional)
- Wide selection of head and seal materials for maximum chemical compatibility
- Manual mechanical adjustment (standard) or electric adjustment (on request) of stroke length, i.e., injection volume.
- Injection and foot valves, vent and back-pressure valves available in various materials
- Multifunctional version with integrated inverter and on-board control electronics, including graphic display and flow control
- Special versions for boilers, for pressures up to 230 bar
- Models with MOCA/FDA certifications or with ATEX motors are available upon request

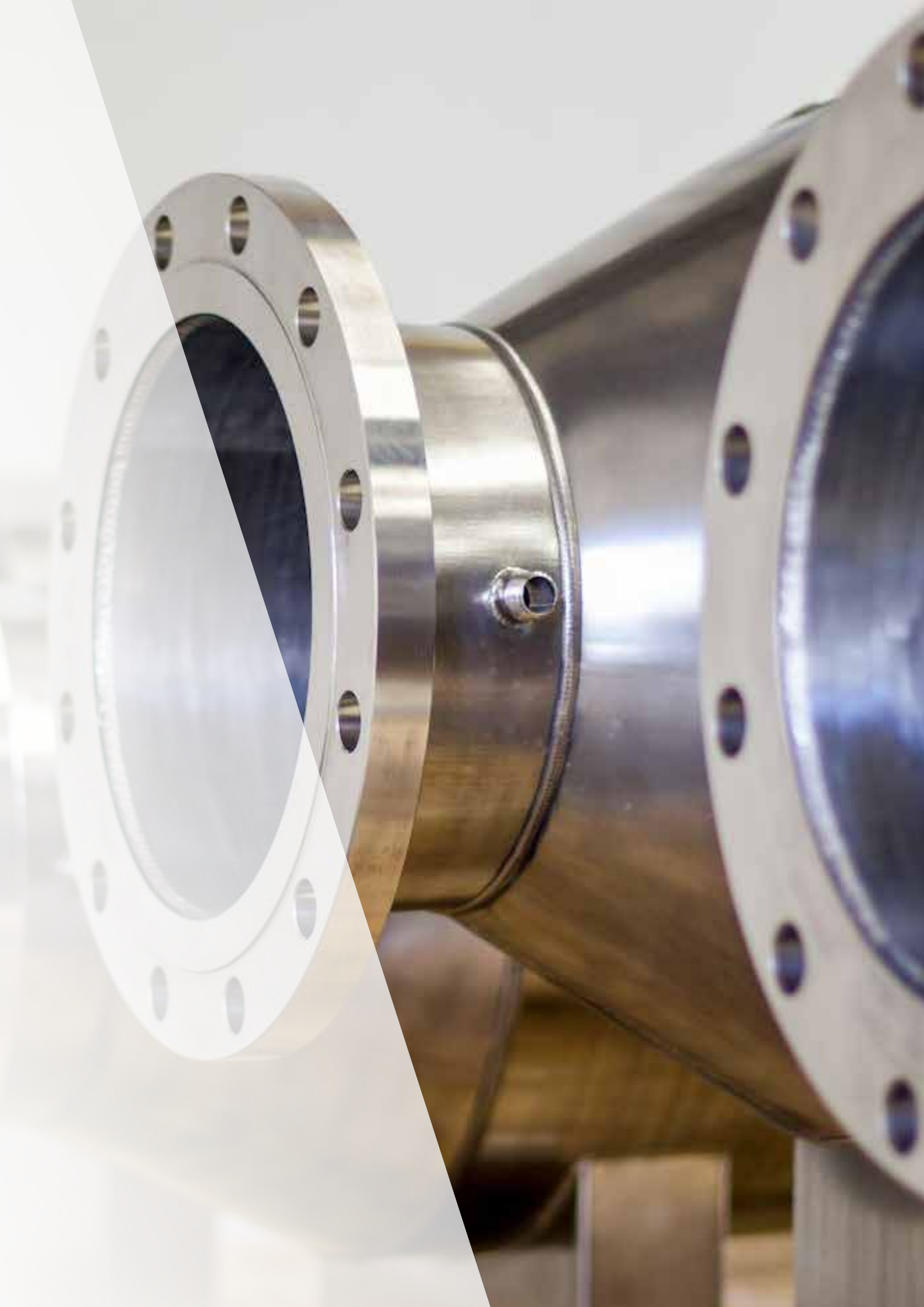






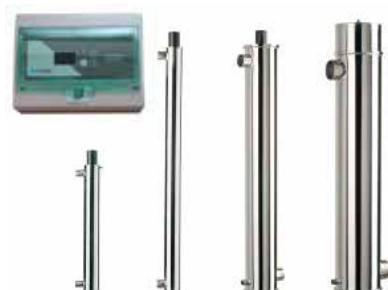
UV Systems

EF-U100 Series for potable water	page 94
UV-S300 Series for potable water and food indutry	95
UV-S700 Series with amalgam lamps	96
UV-S510 Series with amalgam lamps	97
UV-S900 Series with HDPE vessels	98



EF-U100 SERIES

POTABLE WATER



- Control panel with graphic LCD and LED indicator; featuring counter of lamp working hours, remote ON/OFF, alarm relay and switching on / off timer
- “H” version control panel with additional functions to monitor the irradiation / temperature of water, check the panel temperature and shutdown upon overheating of the vessel / electronic unit, and optional 4-20 mA output
- Working pressure: max 10 bar
- Power supply: 230 V~ (standard) 50/60 Hz
- **Lamps:**
 - **Low pressure, mercury vapour**
 - Average working life: 9000 hours
- **Steel vessels:** polished AISI304 or AISI316L (with manual rack cleaning system available for some models upon request)

ITEM	FLOW RATE MAX (m³/h)	LAMPS	HYDRAULIC CONNECT.	UV-C DOSE (J/m²)	AISI304 VESSEL	AISI316L VESSEL
					PART. NO	PART. NO
EF-U 105	1.2	1 x 30 W	3/4" M	300	85102211	85102221
EF-U 105 H					85103211	85103221
EF-U 106	2.7	1 x 40 W	1" M		85102212	85102222
EF-U 106 H					85103212	85103222
EF-U 107	3.6	1 x 40 W	1.1/2" M		85102213	85102223
EF-U 107 H					85103213	85103223
EF-U 108	4.5	2 x 40 W	1" M		85102214	85102224
EF-U 109	5.1	1 x 80 W	1.1/2" M		85102215	85102225
EF-U 109 H					85103215	85103225
EF-U 110 +	6.0	2 x 40 W	1.1/2" M	400	85102216	85102226
EF-U 110 + H					85103216	85103226
EF-U 111 +	9.6	2 x 80 W	1.1/2" M		85102217	85102227
EF-U 111 + H					85103217	85103227

DESCRIPTION	PART. NO
Low pressure lamp, 30 Watt (minimum order quantity: 4 pcs.)	85100104
Low pressure lamp, 40 Watt (minimum order quantity: 4 pcs.)	85100105
Low pressure lamp, 80 Watt (minimum order quantity: 4 pcs.)	85100106
Quartz for 30 Watt lamp (minimum order quantity: 4 pcs.)	85100204
Quartz for 40 / 80 Watt lamp (minimum order quantity: 4 pcs.)	85100205
Contact-cover kit, cable 3 m	85100608



UV-S300 SERIES

POTABLE WATER AND FOOD INDUSTRY



- Control panel with graphic LCD and LED indicator; featuring counter of lamp working hours, remote ON/OFF, alarm relay and switching on / off timer
- “H” version control panel with additional functions to monitor the irradiation / temperature of water, check the panel temperature and shutdown upon overheating of the vessel / electronic unit, and optional 4-20 mA output
- Working pressure: max 10 bar
- Power supply: 230 V~ (standard) 50/60 Hz
- **Lamps:**
 - **Low pressure, mercury vapour**
 - Average working life: 9000 hours
- **Steel vessels:** polished AISI304 or AISI316L (with manual rack cleaning system available for some models upon request)

ITEM	FLOW RATE MAX (m³/h)	LAMPS	HYDRAULIC CONNECT.	UV-C DOSE (J/m²)	AISI304 VESSEL	AISI316L VESSEL
					PART. NO	PART. NO
UV-S 305	30	4 x 80 W	DN80	400	85108215	85108225
UV-S 305 H					85109215	85109225
UV-S 306	40	5 x 80 W	DN80		85108216	85108226
UV-S 306 H					85109216	85109226
UV-S 307	20	3 x 80 W	2" M		85108217	85108227
UV-S 307 H					85109217	85109227

DESCRIPTION	PART. NO
Low pressure lamp, 80 Watt (minimum order quantity: 4 pcs.)	85100106
Quartz for 80 Watt lamp (minimum order quantity: 4 pcs.)	85100205
Contact-cover kit, cable 3 m	85100608



UV-S700 SERIES

POTABLE WATER,
PHARMACEUTICAL INDUSTRY,
IRRIGATION WATERS, AND
FOOD INDUSTRY



- Models UV-S 701 / 702 / 703 are available with two options of control panel:
 - Basic control panel** with graphic LCD and LED indicator; featuring counter of lamp working hours, remote ON/OFF, alarm relay and switching on / off timer
 - “H” version control panel** with additional functions to monitor the irradiation / temperature of water, check the panel temperature and shutdown upon overheating of the vessel / electronic unit, optional 4-20 mA output and optional lamp power adjustment function
- Models UV-S704 and UV-S 705 are provided with a **control panel with colour touchscreen** with multilingual interface, data log function, USB port, serial communication (Modbus, TCP/IP, RTU), digital outputs, UV dose calculation and lamp power adjustment functions
- Working pressure: max 10 bar
- Power supply: 230 V~ (standard) 50/60 Hz
- Amalgam lamps**, which guarantee a 100% yield of the emission even with hot water (30-60 °C); average life of 14000 hours
- Steel vessels**, which can be mounted both horizontally and vertically; optional rack cleaning system

ITEM	FLOW RATE MAX (m³/h)	LAMPS	HYDRAULIC CONNECT.	UV-C DOSE (J/m²)	AISI304 VESSEL	AISI316L VESSEL
					PART. NO	PART. NO
UV-S 701	24	1 x 200 W	2" M	> 400	85114211	85114221
UV-S 701 H					85115211	85115221
UV-S 702	50	2 x 200 W	DN80		85114212	85114222
UV-S 702 H					85115212	85115222
UV-S 703	60	2 x 200 W	DN80		85114213	85114223
UV-S 703 H					85115213	85115223
UV-S 704 T+	96	3 x 200 W	DN100		-	85125224
UV-S 705 T+	125	4 x 200 W	DN150		-	85125225

DESCRIPTION	PART. NO
Amalgam lamp, 200 Watt (working life max 14000 hours)	85100110
Quartz for 200 Watt lamp	85100213



UV-S510 SERIES

POTABLE WATER,
PHARMACEUTICAL INDUSTRY,
IRRIGATION WATERS, AND
FOOD INDUSTRY



- **T+ control panel with colour touch-screen** with multilingual interface, data log function, USB port, serial communication (Modbus, TCP/IP, RTU), digital outputs, UV dose calculation and lamp power adjustment functions
- Working pressure: max 10 bar
- Power supply: 230 V~ (standard) 50/60 Hz
- **Amalgam lamps**, which guarantee a 100% yield of the emission even with hot water (30-60 °C); average life of 16000 hours
- **AISI316L stainless steel vessels**, which can be mounted both horizontally and vertically; optional rack cleaning system

ITEM	FLOW RATE MAX (m ³ /h)	LAMPS	HYDRAULIC CONNECT.	UV-C DOSE (J/ m ²)	PART. NO
UV-S 511 T+	160	3 x 400 W	DN150	400	85126221
UV-S 512 T+	260	4 x 400 W	DN200		85126222
UV-S 513 T+	320	5 x 400 W	DN200		85126223
UV-S 514 T+	445	6 x 400 W	DN230		85126224
UV-S 515 T+	630	8 x 400 W	DN250		85126225
UV-S 516 T+	860	10 x 400 W	DN300		85126226
UV-S 517 T+	1010	12 x 400 W	DN400		85126227

DESCRIPTION	PART. NO
Amalgam lamp, 400 Watt (working life max 16000 hours)	85100109
Quartz for 400 Watt lamp	85100207



UV-S900 SERIES

SALT WATER, NAVAL
INDUSTRY, AQUARIUMS
AND FISH FARMING,
IRRIGATION WATER



- UV-S 904 / 905 / 906 / 907 models are available with two options of control panel:
 - **Basic control panel** with graphic LCD and LED indicator; featuring counter of lamp working hours, remote ON/OFF, alarm relay and switching on / off timer
 - **“H” version control panel** with additional functions to monitor the irradiation / temperature of water, check the panel temperature and shutdown upon overheating of the vessel / electronic unit, optional 4-20 mA output and optional lamp power adjustment function
- UV-S908 / 909 / 910 models are provided with a **control panel with colour touch-screen** with multilingual interface, data log function, USB port, serial communication (Modbus, TCP/IP, RTU), digital outputs, UV dose calculation and lamp power adjustment functions
- Working conditions: pressure max 6 bar, temperature max 35 °C
- Power supply: 230 V~ (standard) 50/60 Hz
- **Low pressure, mercury vapour lamps**; average life: 9000 hours
- **HDPE vessels**

ITEM	FLOW RATE MAX (m³/h)	LAMPS	HYDRAULIC CONNECT.	UV-C DOSE (J/m²)	STANDARD MODEL	“H” MODEL
					PART. NO	PART. NO
UV-S 904 PE	22	3 x 80 W	DN65	> 400	85118231	85119231
UV-S 905 PE	35	4 x 80 W	DN80		85118232	85119232
UV-S 906 PE	45	5 x 80 W	DN100		85118233	85119233
UV-S 907 PE	60	6 x 80 W	DN100		85118234	85119234
						T+ MODEL
UV-S 908 PE T+	110	2 x 400 W	DN150		-	85127235
UV-S 909 PE T+	150	3 x 400 W	DN200		-	85127236
UV-S 910 PE T+	250	4 x 400 W	DN250		-	85127237

DESCRIPTION	PART. NO
Low pressure lamp, 80 Watt (minimum order quantity: 4 pcs.)	85100106
Quartz for 40 / 80 Watt lamp (minimum order quantity: 4 pcs.)	85100205
Contact-cover kit, cable 3 m	85100608
Sheath lock	85100606



DISINFECTION SYSTEMS WITH UV RADIATIONS

CHOICE GUIDE

STEIEL offers a full range of systems for water sterilization and debacterization with UV-C radiations. Models are available for treating installations with a flow rate from 1 to 1000 m³/h, with stainless steel (AISI304 or AISI316L) or HDPE vessel, with mercury vapour (low or medium pressure) or amalgam lamps. Each system is equipped with a microprocessor-based control unit.

The below tables provide to the customer an useful guide for choosing the model which better fits its needs, depending on the type and flow rate of the water to be treated.

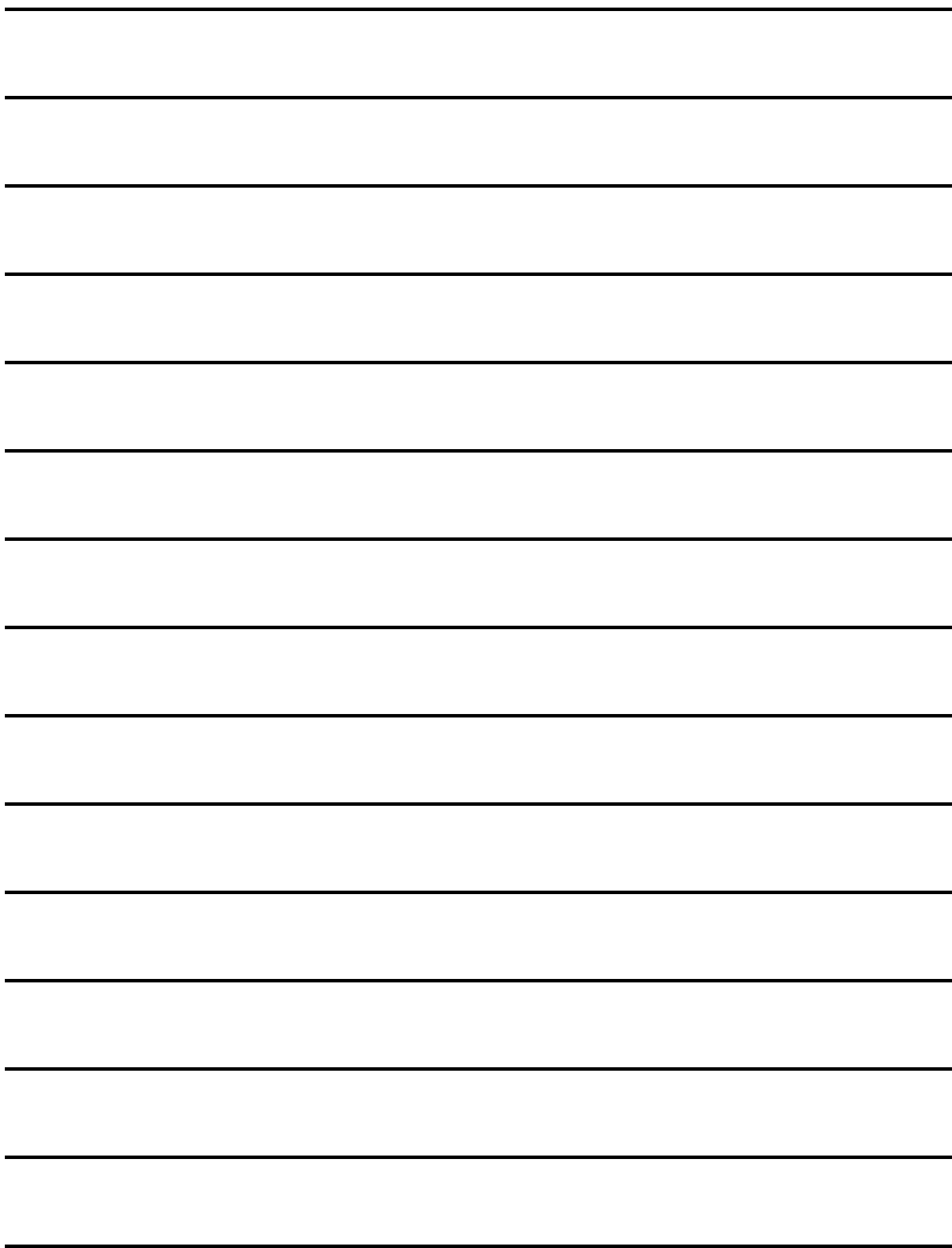
Treatable flow rate (m ³ /h)	EF-U100 SERIES	UV-S300 SERIES	UV-S700 SERIES	UV-S510 SERIES	EF-U900 SERIES	UV-S900 SERIES
1000						
800						
600						
400						
200						
100						
60						
50						
40						
30						
20						
10						
5						
3						

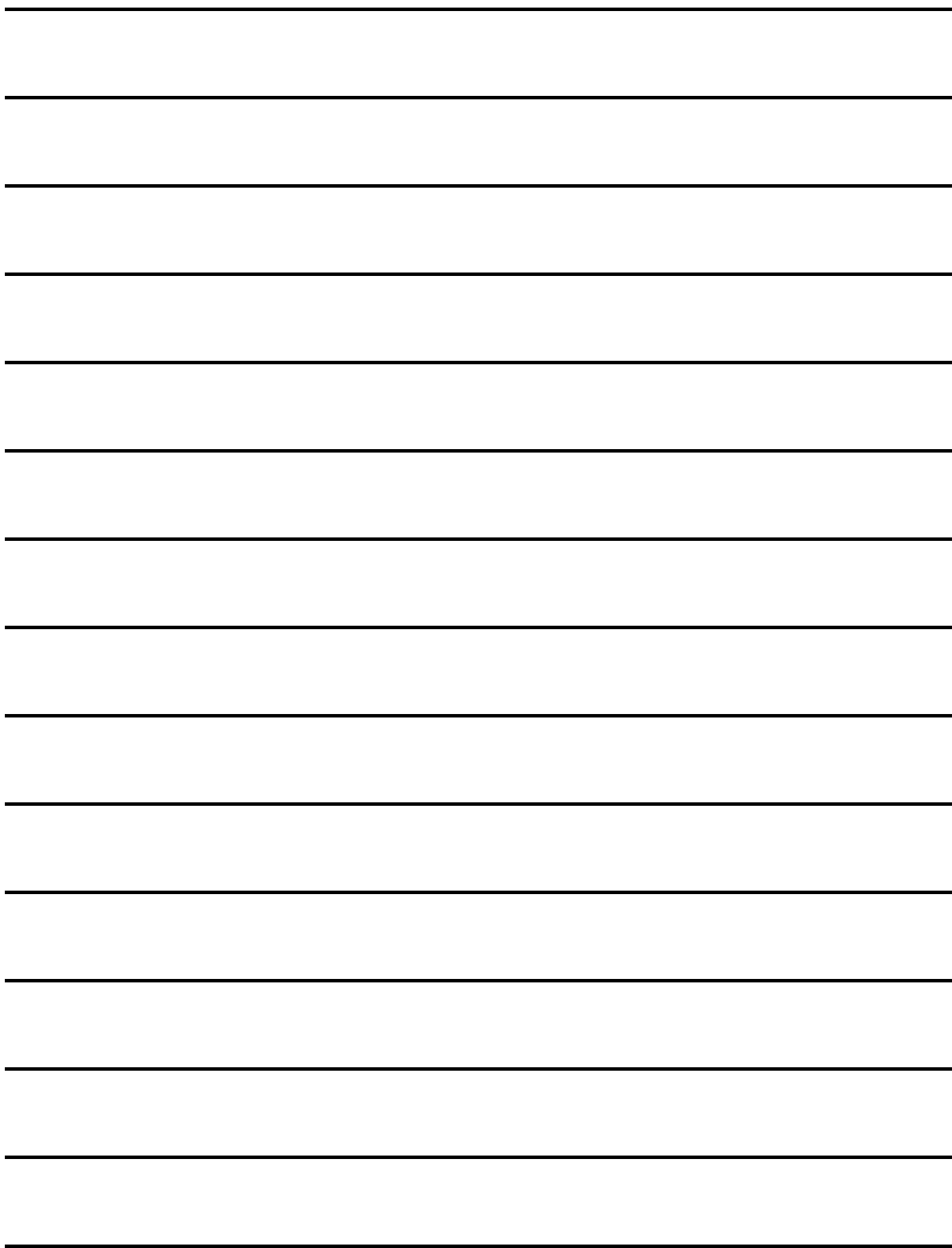
Intended use	EF-U100 SERIES	UV-S300 SERIES	UV-S700 SERIES	UV-S510 SERIES	EF-U900 SERIES	UV-S900 SERIES
Potable water						
Food industry						
Pharmaceutical industry						
Salt water						
Aquariums / Fish farming						
Irrigation water						
Naval industry						



Notes

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