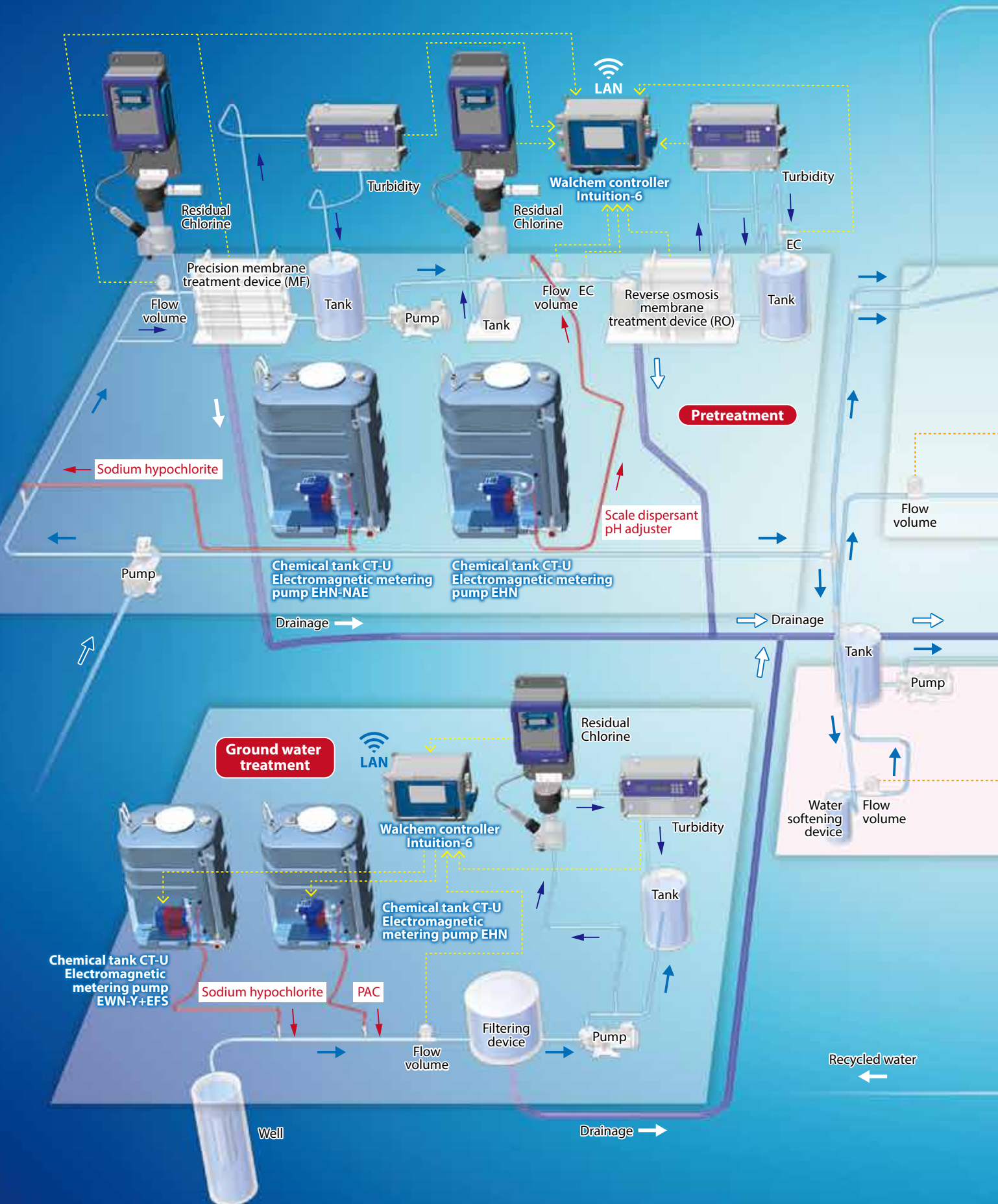
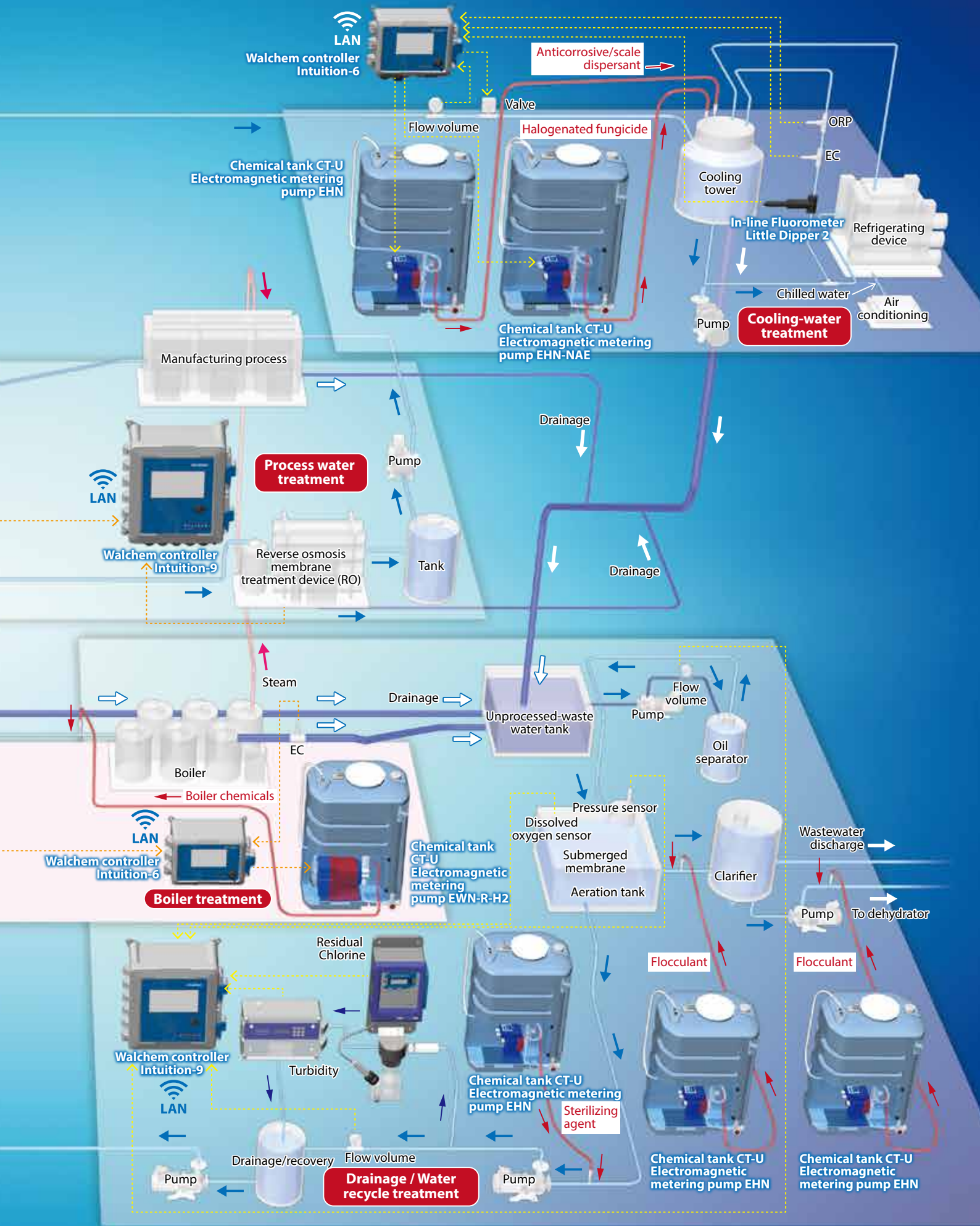




# A full line of items including pumps, controllers, and peripheral devices capable of accommodating the individual needs of each customer





# Electromagnetic metering pumps

## Electromagnetic metering pump combined with EFS flow sensor

### EWN-Y series

Accurate measurement of pulsating flow without calibration  
Maintains the target flow rate even if the discharge conditions change due to feedback control  
Proportional operation with analog or pulse signal, 4-20mA output as standard equipment

- Max. discharge capacity: 38 - 420 mL/min
- 1 shot discharge: 0.05 - 1.17 mL
- Max. discharge pressure: 0.2 - 1.0 MPa



## High pressure type

### EWN-R-H2

Ideal for boiler chemical injection into pressurized pipelines  
Max. discharge pressure: 2.0 MPa (Max. 240 spm)

- Max. discharge capacity: 17 mL/min
- 1 shot discharge: 0.05 - 0.07 mL
- Max. discharge pressure: 2.0 MPa



## Features water quality control functions and multivoltage operation

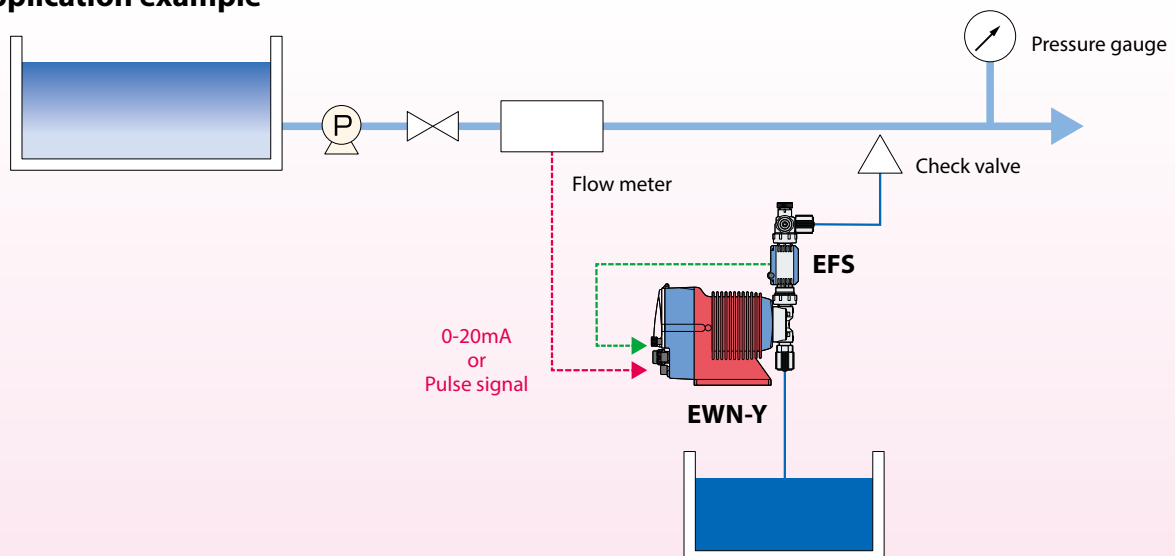
### EWN-W series

pH/ORP, conductivity, cooling tower or residual chlorine modes can be selected to customise the pump for specific applications

- Max. discharge capacity: 38 - 420 mL/min
- 1 shot discharge: 0.11 - 1.17 mL
- Max. discharge pressure: 0.2 - 1.0 MPa



## Application example



### Electromagnetic metering pump equipped with digital controller and multi-voltage

#### EHN series



Multi-voltage from 100 to 240V and digitized EHN series pump is easy to operate in a variety of chemical feeding application

- Max. discharge capacity: 38 - 450 mL/min
- 1 shot discharge: 0.05 - 1.25 mL
- Max. discharge pressure: 0.2 - 1.0 MPa

### Optimum for gaseous liquid feeding

#### EHN-NAE (Automatic air vent type)

Gaseous liquid such as sodium hypochlorite can be injected without gas locking

- Max. discharge capacity: 30 - 110 mL/min
- 1 shot discharge: 0.04 - 0.31 mL
- Max. discharge pressure: 0.7 - 1.0 MPa



ES



EJ

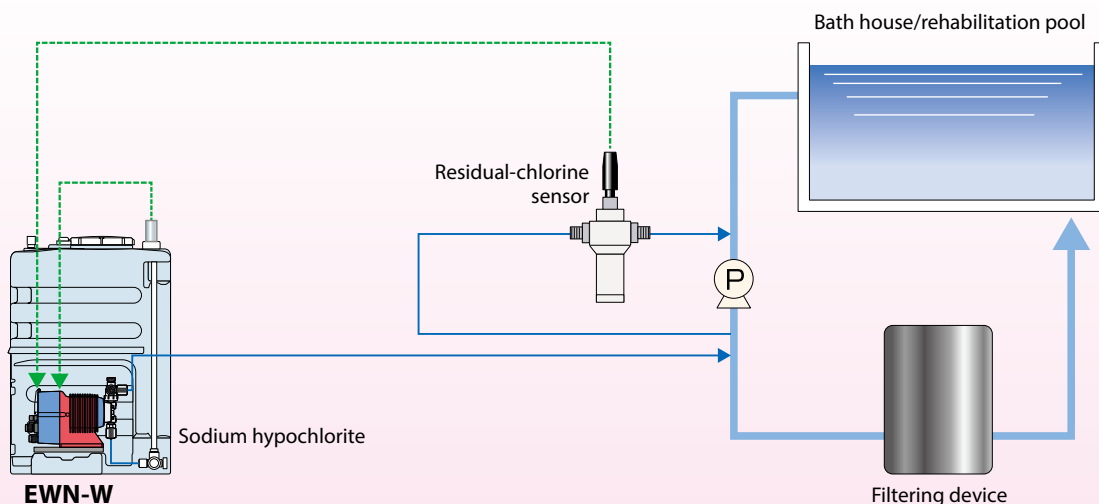
### Manual and EXT operation, economical price

#### ES, EJ series

The ES and EJ series provide precise chemical injection with an economical cost

- |  |  |
|--|--|
| ES.....                                    | EJ.....                                    |
| ● Max. discharge capacity: 38 - 400 mL/min | ● Max. discharge capacity: 19 - 200 mL/min |
| ● 1 shot discharge: 0.11 - 1.13 mL         | ● 1 shot discharge: 0.05 - 0.55 mL         |
| ● Max. discharge pressure: 0.2 - 1.0 MPa   | ● Max. discharge pressure: 0.15 - 1.2 MPa  |

### Sterilization



# Walchem controllers

**Advanced water treatment controller comparable to higher models**

## Intuition-6 series

With a multi-language display and remote operation, the model features a large touchscreen that allows operations to be intuitive



**Economical, entry-model water treatment controllers**

## P100, W100 series

These models feature multi-language display and excellent operability



W100



P100



**The new de facto standard for water treatment controllers**

## Intuition-9 series

A versatile input/output interface enables users to integrate the management of water treatment device



### pH/ORP sensor

KCL internal solution refill free type

#### 8000 series

- Measurement range: (pH) 0 - 14 pH  
(ORP) -1999mV - +1999mV



### pH/ORP sensor

KCL internal solution refill type

#### SH/SR series

- Measurement range: (pH) 0 - 14 pH  
(ORP) ±2000mV

## Sensors



### pH/ORP sensor

For industrial use

#### WEL series

- Measurement range: (pH) 0 - 14 pH  
(ORP) -1999mV - +1999mV



Electrode type



Electromagnetic type

### Conductivity sensor

- Measurement range  
(Electrode type) 0.000 - 3,000 mS/m  
(Electromagnetic type) 0 - 200 S/m



### LPR corrosion sensor

For Intuition-9 series

- Pressure: 0 - 150 psi

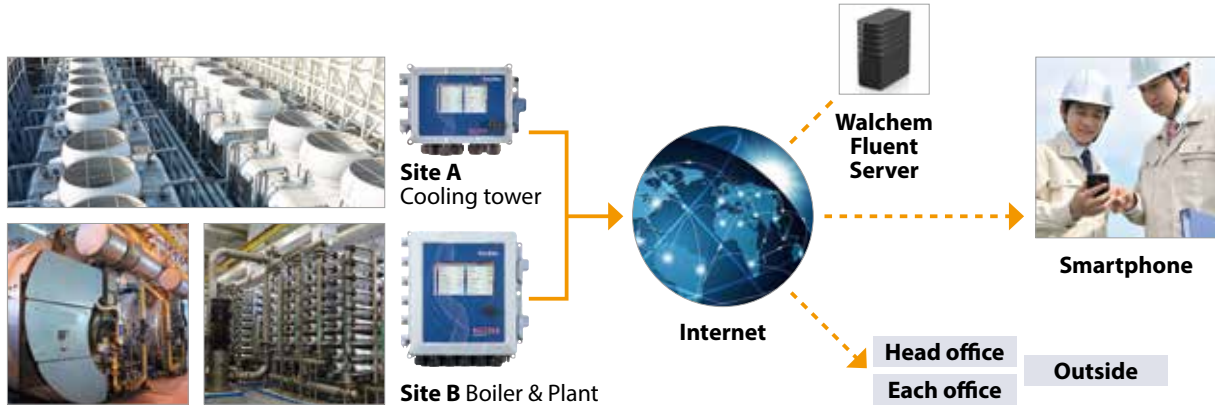
## Inline fluorometers Little Dipper 2

- Measurement range: 1 - 300 ppb



# Integrated management of multiple sites

Walchem Fluent is a free communication tool that enables users to centrally control multiple sites via the internet. Walchem's controllers enable users to build a remote control system for water treatment. Supported models: Intuition-6, Intuition-9



## Walchem controllers overview specification list

Model			P100	W100	Intuition-6	Intuition-9
Input	Sensor	pH	(1) <sup>Note</sup>	(1) <sup>Note</sup>	● (2/1/0)	● (8/6/4/2/0)
		ORP				
		Electrode type conductivity				
		Electromagnetic conductivity (ECOND)	(1) <sup>Note</sup>	(1) <sup>Note</sup>		
		Temperature	●	●	(●)	(●)
	Cumulative flow into a low-speed flowmeter		●	●	●	●
	Cumulative flow into a high-speed flowmeter		●	●	●	●
Instant flow into a high-speed flowmeter		●	●	●	●	
Output	Transmission	DC4-20mA	—	—	● (0/1/2/3/4)	● (0 - 24)
	External	Interlock, low-speed flowmeter, high-speed flowmeter	● (1)	● (2)	● (6)	● (12)
	Relay	Voltage relay, No voltage relay, Semiconductor relay	● (4)	● (3)	● (6)	● (0 - 12)
	Transmission	4-20mA (freely selectable)	● (1)	● (1)	(●) (2/0)	(●) (0 - 16)

( ) Depends on what specification is selected.  
Note: Choose either "pH/ORP sensor" or "Conductivity sensor".



**Low pulsation and High efficient mechanism**  
**TD-F** series

- Max. discharge capacity: 0.12 - 8.2 L/min
- Max. discharge pressure: 0.3 - 1.0 MPa



**Applicable to the many diverse needs of chemical feeding**

**LK** series

- Max. discharge capacity: 0.020/0.024 - 45/54 L/min (50/60Hz)
- Max. discharge pressure: 0.3 - 1.0 MPa (PVC)  
0.3 - 1.5 MPa (SUS)

## Metering pumps



**High turn down ratio**  
**IX** series

- Max. discharge capacity: 0.0075 - 300 L/hour
- Max. discharge pressure: 0.4 - 1.7 MPa

**Highest reliability system**

**AX** series

- Max. discharge capacity: 0.012/0.015 - 51.6/49.7 L/min (50/60Hz)
- Max. discharge pressure: 0.3 - 35.0 MPa





# IWAKI



**IWAKI CO., LTD.** 6-6 Kanda-Sudacho 2-chome Chiyoda-ku Tokyo 101-8558 Japan TEL : (81)3 3254 2935 FAX : 3 3252 8892 IWAKI has global net work. Please find your distributor location at [www.iwakupumps.jp](http://www.iwakupumps.jp)

European Headquarter : IWAKI Europe GmbH	TEL: (49)2154 9254 0	FAX: 2154 9254 48	U.S.A.	: IWAKI America Inc.	TEL: (1)508 429 1440	FAX: 508 429 1386
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Denmark : IWAKI Nordic A/S	TEL: (45)48 24 2345		China (Guangzhou)	: GFTZ IWAKI Engineering & Trading Co., Ltd.	TEL: (86)20 84350603	FAX: 20 84359181
Finland : IWAKI Suomi Oy	TEL: (358)9 2745810		China (Shanghai)	: IWAKI Pumps (Shanghai) Co., Ltd.	TEL: (86)21 6272 7502	FAX: 21 6272 6929
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**Caution for safety use:** Before use of pump, read instruction manual carefully to use the product correctly. Actual pumps may differ from the photos. Specifications and dimensions are subject to change without prior notice. For further details please contact us.

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