

## Centralized hot washing system Pressure adjustable from 20 to 200 Bar

### 2.5



#### Reliability, efficiency, safety.

**ETW** centralized variable pressure systems are characterized by their modularity from one to two lances in simultaneous use, with **adjustable pressure from 20 to 200 bar**, a flow rate per pump of **15-21 lt / min** each.

The automation of the system adjusts the flow rate to the number of users actually used moment by moment, always ensuring the pressure value set at each washing point.

The excess pump stops automatically after ten seconds until it is completely switched off, which will always take place in time with the closure of all utilities.

The relevant panel is equipped with a very modern electronic equipment that is able to fully and automatically manage the centralized washing system with 2 pump modules, in particular for the following functions:

- **Control and display of the pressure** set by electronic pressure switch and digital display.
- **Control of the demand for pressurized water** and automatic insertion of the power modules.
- **Control of the water temperature** in supply and digital display.
- **Safety against multiple simultaneous insertions**, the power modules are inserted a few seconds apart from each other in order to avoid absorption peaks on the electricity line.
- **Statistical start-up**: The choice of the power module to be inserted is done randomly, thus obtaining the uniform distribution of the load on the various modules.

Forwarding at any time it is possible to check the safety of the system in the event of a pipe break, excessive water temperature and overpressure in the network.

### Available configurations

| CODE       | MAX. FLOW RATE (lt/min) | ADJUSTABLE PRESSURE (Bar) | POWER (KW) | POWER SUPPLY (Volt) | DIMENSIONS LxHxP (mm) | WEIGHT | WATER TEMPERATURE | MAX. N° OF USERS |
|------------|-------------------------|---------------------------|------------|---------------------|-----------------------|--------|-------------------|------------------|
| 10.3178.00 | 30 (2x15 lt)            | 20 - 200                  | 11         | 400 V - 3~          | 760x925x925           | 180    | 75°C              | 2                |
| 10.3179.00 | 42 (2x21 lt)            | 20 - 160                  | 11         | 400 V - 3~          | 760x925x925           | 180    | 75°C              | 2 - 3            |

## Centralized multi-pressure washing system from 20 to 200 Bar

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#### Technical features

- Low-voltage controls (24 V)
- Adjustment of operating pressure
- Adjustment of water flow rate
- Automatic pump management via PLC
- Simultaneous use of multiple spray guns on the same line
- Automatic shutdown of excess pumps up to complete system shutdown in case of non-use
- Possibility of having different pressures and flow rates in multiple washing zones
- 50-liter stainless steel storage tank with alarm and level controls
- Feed water shortage control
- System shutdown in case of overheating
- System shutdown in case of high-pressure hose failure
- Control panel with IP65 protection rating
- UNI pump with high-temperature seals up to 75 °C
- Digital display for pressure and temperature indication
- Stainless steel frame with anti-vibration mounts

#### Optional accessories



90 cm stainless steel athermic lance without nozzle Ø 14 coupling gun **Sec. 9.4 - Cod. 10.2219.00**



S/s nozzle 1/8"  
**Sec. 9.7**



Gun with coupling Ø 14  
**Sec. 9.9 - Cod. 10.1364.00**



H.P hose R2 1/2" 15 or 20 mt.  
**Sec. 9.10 - Cod. 10.3534.00**  
**Cod. 10.3474.00**

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#### Optional accessories



S/S Stainless Steel  
Manual Hose Reel 20 mt  
**Sec. 9.2 - Cod. 10.1495.00 - R/X**  
**Cod. 10.3488.00 - R/Z**

S/S Automatic Hose Reel  
High Pressure 20 mt  
**Sec. 9.1 - Cod. 10.5007.00 - R/Z**  
**Cod. 10.5019.00 - R/X**

Quick couplings and fittings  
**Sec. 9.11**



Wide range of foam dispenser stations - Stationary and mobile  
**Sec. 7.7 - 7.8**