

Centralized washing system Multi-Pressure from 20 to 200 bar

2.7



Common Elements for Centralized Multi-Pressure systems



Control Module S/s Frame
Cod. 10.4376.00



Polyester IP65 Power panel complete of electronic board with digital control and display PLC
Cod. 10.4319.00

RELIABILITY, EFFICIENCY, SAFETY.

The main features of **FMT6** centralised variable pressure washing systems are their modularity with use of from one to six lances simultaneously, **pressure adjustable from 20 to 200 bars**, pump **flow rate of 15, 12, 30 litres/minute** and automation. The number of lances which can be used simultaneously is established during the design phase, then the system adjusts the flow rate to the number of lances actually in use at any moment, guaranteeing constant pressure at each washing point.

Excess pumps are turned off automatically after about 10 seconds, with delayed total stop of the washing system itself when all the lances are closed.

The control and pressure and flow regulation module is located at the top of the machine and the electrical panel is wall mounted in the most suitable location, even at some distance from the power modules.

The **electrical panel includes an ultra-modern electronic device** which automatically controls the entire centralised 2 to 6 pump module washing system, in particular the following functions:

1. **Control and display of the pressure set** with electronic pressure switch and digital display;
2. **Control of the demand for pressurised water** and automatic start up of the power modules;
3. **Control of inflow water temperature** with digital display;
4. **Protection against simultaneous start up** of the power modules; start up of the power modules is staggered by a few seconds to avoid current peaks on the electricity line;
5. **Statistical startup.**

The power module to start up is chosen at random to ensure uniform load distribution among the various modules.

The safety of the system in the event of damaged hose, excessive water temperature or mains overpressure can also be monitored at all times.

Available in 4.0
Configuration



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Available configurations

CODE	MAX. FLOW RATE (lt/min)	ADJUSTABLE PRESSURE (Bar)	POWER (KW)	POWER SUPPLY (Volt)	RPM	WEIGHT	DIMENSIONS LxHxP (mm)	MAX. IN-LET TEMPERATURE	MAX. N° OF USERS
10.4390.00	3x15=45	20 - 200	16,5	400	1450	210	700x1600x450	75°C	3
10.4118.00	3x21=63	20 - 150	16,5	400	1450	225	700x1600x450	75°C	3-4
10.4404.00	3x30=90	20 - 100	16,5	400	1450	240	700x1600x450	75°C	4-6
10.4405.00	4x15=60	20 - 200	22	400	1450	260	1400x1200x450	75°C	4
10.4406.00	4x21=84	20 - 150	22	400	1450	280	1400x1200x450	75°C	4-6
10.4407.00	4x30=120	20 - 100	22	400	1450	300	1400x1200x450	75°C	6-8
10.4408.00	5x15=75	20 - 200	27,5	400	1450	310	1400x1600x450	75°C	5
10.4409.00	5x21=105	20 - 150	27,5	400	1450	335	1400x1600x450	75°C	5-7
10.4410.00	5x30=150	20 - 100	27,5	400	1450	360	1400x1600x450	75°C	7-10
10.1076.00	5x15=90	20 - 200	33	400	1450	360	1400x1600x450	75°C	6
10.4377.00	6x21=126	20 - 150	33	400	1450	390	1400x1600x450	75°C	6-8
10.4411.00	6x30=180	20 - 100	33	400	1450	420	1400x1600x450	75°C	8-12

Technical features

- Low voltage controls (24 volt)
- Pressure adjustment
- Water flow rate adjustment
- Automatic administration of the pumps by electronic unit
- Possibility to work with more lances at the same time
- Automatic switch off of the pumps when not used
- Possibility to have different flow rate and different pressure in different washing zone
- Water lack control
- Over temperature safety control
- Block of the plant in case of break of h.p. hose
- IP65 control panel
- UNI pump compelte of seal for hight temperature up to 75° C
- Digital display for temperature and pressure
- Stainless steel frame with anti-vibration mounts

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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 - R/Z
Cod. 10.3474.00 (mt 20) - R/Z



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



300 Lt plastic feeding tank complete
with controls and pump - S/s frame
Sec. 9.16 - Cod. 10.3962.00

R/X: Stainless steel press fitting pipe
R/Z: Galvanized press fitting pipe

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Optional accessories



Ball valve Inox AISI 316 A.P. ½"
FF with Lever
Sec. 9.15 Cod. 40.3018.00



Stainless steel wall holder for lances
with Ø 14 pin
Sec. 9.17 Cod. 20.0560.06



Foam lance
Sec. 9.8 - Cod. 10.2218.00