

Centralized washing system Single high flow rate pump

2.1



Skid version



Covered version

Without any doubt **Modula One** is the best currently available on the multipressure washing market.

The combination of **high efficiency** electric motor and inverter, combined with components specifically designed by **VEMA**, has resulted in a variable speed unit able to express the potential of the combination of electronics and mechanics at his best to provide a reliable response to an ever more selective and demanding market.

Modula One is therefore **VEMA's** solution to the problem of energy waste, enabling the electrical power consumed to be modulated according to the mechanical demand of the motor shaft. Particularly in the presence of discontinuous loads, this improves energy efficiency, obtaining:

- Energy savings as high as 30%, 40% depending on load;
- More rational use of the motor, increasing its working life;
- Less heat dissipated by the electric motor;
- Less vibration on start up and operation of the pump assembly, thanks to modulation of power in relation to the flow rates required;
- Electrical circuit optimised in both the transient and full load current drawn;
- The inverter ensures a return on investment generally in less than 24 months;
- The possibility of reducing the operating speed in fluidodynamic machines when the nominal speed (50 Hz) is not required also reduces mechanical wear and considerably lowers energy consumption as the relationship between absorbed power and speed is cubic and a slight reduction in Hz therefore means a considerable reduction in kW consumed. For different flow rate and pressure requirements contact our technical office who will always be happy to discuss and analyse the most feasible solution for your specific needs.

Modula One is a standard product in two versions:

- Mounted on a skid made from 100% AISI/304 stainless steel complete with IP55 watertight electrical panel and adjustable feet or with s/s protection cover (**Optional**)

Available in 4.0
Configuration



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CODE	MAX. FLOW RATE (lt/min)	ADJUSTABLE PRESSURE (Bar)	POWER (KW)	RPM	VERSION	DIMENSIONS LxHxP (mm)	MAX. IN-LET TEMPERATURE	MAX. N° OF USERS
10.1091.00	45	120	11	1000	SKID	1320x770x1650	75°C	3
10.1259.00	45	160	15	1000	SKID	1320x770x1650	75°C	3
10.5026.00	60	120	15	1000	SKID	1320x770x1650	75°C	4
10.5027.00	60	150	18,5	1000	SKID	1320x770x1650	75°C	4
10.6397.00	106	110	30	1000	SKID	1320x770x1650	75°C	7
10.6398.00	106	200	40	1000	SKID	1320x770x1650	75°C	7
10.6399.00	170	110	37	900	SKID	1320x770x1650	40°C	11

Technical features

- Low voltage controls (24 volt).
- Pressure adjustment
- Water flow rate adjustment
- Digital control and indication of the temperature.
- PID for the control of the pressure
- Transducer of pressure 4/20 mA.
- Electronic flow sensor
- Contemporary use of more lance at the same time
- Total block of the pump if not used
- Possibility to have different pressure and flow rate in different washing zones
- Water lack control
- Block of the plant in case of over temperature
- IP65 electric control panel
- P65 S/s electric control panel (Optional)
- Integral ceramic 3 piston pump with /s valves
- Available in skid
- Available in 4.0 configuration

Optional accessories



Protection cover in abs
Cod. 10.2505.00



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

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Optional accessories



S/s washing lance cm 90 without nozzle complete of pin ø 14
Sec. 9.4 - Cod. 10.2219.00



Foam lance
Sec. 9.8 - Cod. 10.2218.00



Foam lance
Sec. 9.8 - Cod. 10.3540.00



S/s nozzle 1/8"
Cod. 10.2505.00



Gun with coupling ø 14
Sec. 9.9 - Cod. 10.1364.00



H.p. hose R2 \" L= 15 or 20 mt.
Sec. 9.10 - Cod. 10.3534.00 - R/Z
Cod. 10.3474.00 - R/Z



S/S Stainless Steel
Manual Hose Reel 20 mt
Sec. 9.2 - Cod. 10.1495.00 - R/X
Cod. 10.3488 - 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 coupling and fittings
Scz. 9.11



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



Multi-pressure
centralized systems

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Optional accessories



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



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