

Electronic Multi-circuit Distribution System



ELECTRONIC MULTI-CIRCUIT DISTRIBUTION SYSTEM

Flow control and temperature monitoring.

Multi-zone distribution system with integrated thermal control.

Multi-zone distribution system designed for demanding industrial applications, allowing for accurate flow and temperature measurement in multiple circuits independently.

Its compact and robust design facilitates integration into existing systems, optimizing thermal control without compromising space or accessibility.

Simple and intuitive

Modular integration and precise process control

The system is designed to be easily integrated into a wide variety of industrial machines and systems. Its modular and versatile architecture allows customised solutions to be implemented, with simple installation adapted to the requirements of each application. It stands out for its high accuracy in flow and temperature measurement, as well as for its capacity for detailed monitoring of all process parameters, which guarantees exceptional operational reliability.

The system provides the user with a wide range of advanced functionalities, including:

- Continuous recording and documentation of the process
- Automatic alarm activation when limit values are reached configurable
- Storage and recall of mould parameters, optimizing changeover times and reducing operational errors

Cycle optimization

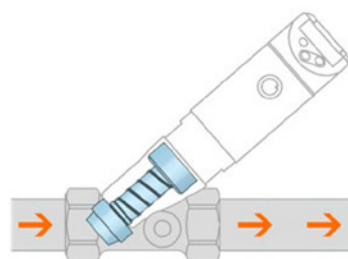
- Improves heat transfer in the mould.
- Clearly indicates contaminants in the circuit.
- Activates an alarm before rejections occur.
- Reduces pressure loss due to missing hose bridges
- Increases water flow.
- Accurate location of the problem as the circuits are separated
- Ability to influence specific segments of the mould.
- Regulates and monitors each temperature control circuit.
- Increases the stability and traceability of the process.
- Easy to integrate into machines and systems
- Insensitive to overpressures
- Possibility of choosing several measuring ranges

General information

- Modular thermal distribution systems for multiple circuits, with integrated flow and temperature measurement in each circuit.
- Individual regulation per circuit, guaranteeing a constant and independently controlled flow.
- Robust and compact construction, made of stainless steel and brass.
- Real-time measurement and monitoring of flow rate, temperature and, optionally, return pressure.
- Graphical user interface via 7" touch screen, with dynamic data display and process graphics.
- Advanced data management system for documentation, storage and analysis of process parameters, as well as custom parameterization and continuous monitoring of system status.
- Interfaces: OPC UA, TTY 4..20 mA, RS 485



Flow PV, Flow Basic & Flow 160



Flow 180

Flow PV MODEL

Fluid water up to 100°C



Flow Basic MODEL

Fluid water up to 120°C



Flow 160 MODEL

Fluid water up to 160°C



Flow 180 MODEL

Water/thermal oil fluid up to 180°C



Technical data

	Flow PV	Flow Basic	Flow 160	Flow 180
Maximum Temperature:	100°C	120°C	160°C	180°C
Maximum pressure:	10 bar	10 bar	15 bar	16 bar
Flow regulation by zone:	Automatic through proportional valves, guaranteeing precise regulation.	By manual ball valves ensuring operational simplicity and low maintenance.		
Materials:	Parts in contact with the fluid made of brass and stainless steel. Seal: FKM (Viton)		Parts in contact with the fluid made of stainless steel Gasket: FKM (Viton)	
Fluid measurement:	Vortex sensor with temperature probe Integrated PT1000		Vortex sensor with temperature probe Integrated PT1000	Stainless steel mechatronic sensor
Measuring range:	1,0...20 l/min.	1,0...20 l/min.	1,0...18 l/min.	0,3...25 l/min.
Fluid:	Water / Water + glycol	Water / Water + glycol	Water / Water + glycol	Water / Water + glycol Thermal oil
Connections:	1" Inlet and Outlet 1/2" Zones			
Modular design:	Distributor with the possibility of 2, 4, 6, 8, 10 and 12 zones			

Distributors in the world



Alemania
Argentina
Australia
Austria
Bélgica
Brasil
Bulgaria
Colombia
Costa Rica
Dinamarca

Eslovaquia
Eslovenia
Estonia
Estados Unidos
Francia
Grecia
Hungria
India
Irlanda
Israel

Italia
Jordania
Letonia
Lituania
Macedonia
Marruecos
México
Países Bajos
Polonia
Portugal

Reino Unido
República Checa
República Dominicana
Rumania
Rusia
Suecia
Suiza
Tailandia
Turquía

INDUSTRIAL Y COMERCIAL MARSE S.L.

C/ Comtes de Bell.lloc, 75 - 08014 Barcelona - España
C/ Metal·lúrgia, 10-11 - 08755 Castellbisbal (Barcelona) - España
Tel. +34 93 4902040
Mail: marse@marse.es
Web: www.marse.es



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