



TEMPERATURE CONTROLLERS “MV-DC” RANGE

Many plastic processes require water at temperature slightly higher than the water temperature which is available in the central cooling system.

Very frequently in the same applications a large amount of heat must be removed from the process (mould or roll) and for this reason the temperature controllers need high cooling capacity.

In order to meet the above requirements in a simple and efficient way two new ranges of water temperature control units have been introduced:

MV AND DC

Both in the MV range and in the DC range the cooling water is mixed with the process water. The main cooling circuit has to be a closed loop circuit.

The two ranges include several models equipped with or without heating elements according to the specific needs.

The combination of a chiller with a MV temperature control unit represents an ideal solution when two different water temperatures are required in a mould.

Several MV units connected to one main chiller can be installed next to the processing machines in order to obtain different temperature settings.

Standard equipment:

- Temperature range: up to 50°C (machines without heaters) and up to 90°C (machines equipped with heating elements)
- Stainless steel pump
- Microprocessor temperature controller with double PID
- Modulating 3 way valve (for MV units) providing high temperature accuracy

Larger units are available on request.

Options:

- Heaters from 3 to 24 kW
- Flow switch (necessary for units equipped with heating elements)
- Heating elements controlled by Solid State Relays
- Temperature band alarm

MV - DC



TECHNICAL DATA

MODELS	Nominal Flow, m ³ /h	Pump Capacity kW	Pump Water flow, m ³ /h	Pump pressure bar	Nr of heaters	Heating power kW	Pipe Connections	DIMENSIONS
								W x D x H mm
MV 2	2,5	0,75	1,2÷4,8	3,8 ÷ 2,7	0	-	½"	300 x 700 x 650
MV 2/T	2,5	0,75	1,2÷4,8	3,8 ÷ 2,7	1	3 - 4,5 - 6 - 9	½"	300 x 700 x 650
MV 2/T/R2	2,5	0,75	1,2÷4,8	3,8 ÷ 2,7	2	6 - 9 - 12 - 18	½"	400 x 920 x 890
MV 5	5	0,75	1,2 ÷ 6,6	3,0 ÷ 1,9	0	-	¾"	300 x 700 x 650
MV 5/T	5	0,75	1,2 ÷ 6,6	3,0 ÷ 1,9	1	3 - 4,5 - 6 - 9	¾"	300 x 700 x 650
MV 5/T/R2	5	0,75	1,2 ÷ 6,6	3,0 ÷ 1,9	2	6 - 9 - 12 - 18	¾"	400 x 920 x 890
MV 7	7	1,5	3 ÷ 9,6	3,7 ÷ 2,8	0	-	1"	400 x 920 x 890
MV 7/T	7	1,5	3 ÷ 9,6	3,7 ÷ 2,8	1	3 - 4,5 - 6 - 9 - 12	1"	400 x 920 x 890
MV 7/T/R2	7	1,5	3 ÷ 9,6	3,7 ÷ 2,8	2	6 - 9 - 12 - 18 - 24	1"	400 x 920 x 890
MV 12	12	1,5	4,8 ÷ 15	3,1 ÷ 2,3	0	-	1" ½	400 x 920 x 890
MV 12/T	12	1,5	4,8 ÷ 15	3,1 ÷ 2,3	1	3 - 4,5 - 6 - 9 - 12	1" ½	400 x 920 x 890
MV 12/T/R2	12	1,5	4,8 ÷ 15	3,1 ÷ 2,3	2	6 - 9 - 12 - 18 - 24	1" ½	400 x 920 x 890
MV 15	15	3	6 ÷ 20	4,2 ÷ 2,9	0	-	1" ½	400 x 920 x 890
MV 15/T	15	3	6 ÷ 20	4,2 ÷ 2,9	1	3 - 4,5 - 6 - 9 - 12	1" ½	400 x 920 x 890
MV 15/R2	15	3	6 ÷ 20	4,2 ÷ 2,9	2	6 - 9 - 12 - 18 - 24	1" ½	400 x 920 x 890

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Power supply 400V/3 ph./50 Hz

