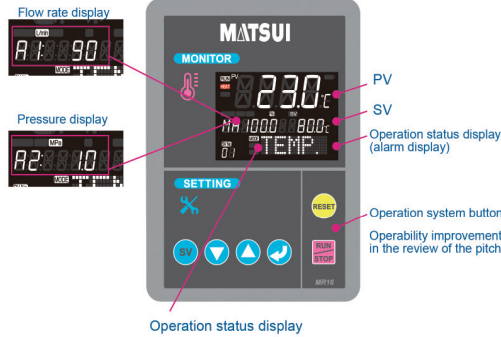


## Compact, Accurate and Reliable by adopted SSR control



### Control Panel

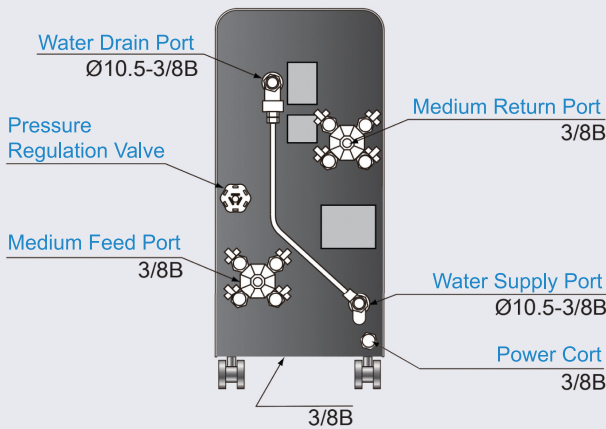
All of the operating conditions can be grasped in this display



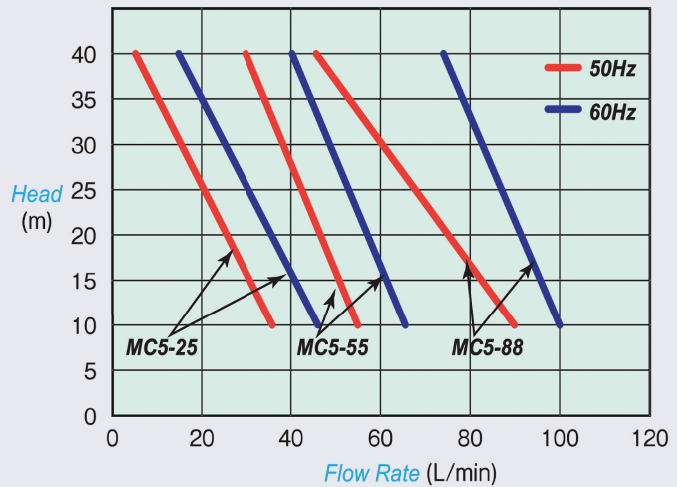
### Easy Maintenance



### Piping Layout



### Pump Performance



### Standard Specification

| Model                       | Unit                      | MC5-G3/G1-L95                         |                              |                              | MC5-G3/G1-H120                     |                                |                                |       |        |
|-----------------------------|---------------------------|---------------------------------------|------------------------------|------------------------------|------------------------------------|--------------------------------|--------------------------------|-------|--------|
|                             |                           | MC5-G3-25L95<br>MC5-G1-25L95          | MC5-G3-55L95<br>MC5-G1-55L95 | MC5-G3-88L95<br>MC5-G1-88L95 | MC5-G3-25H120<br>MC5-G1-25H120     | MC5-G3-55H120<br>MC5-G1-55H120 | MC5-G3-88H120<br>MC5-G1-88H120 |       |        |
| Power Supply                | Voltage                   | V                                     |                              |                              |                                    |                                |                                |       |        |
|                             | Apparent Power            | kVA                                   |                              |                              |                                    |                                |                                |       |        |
|                             | Breaker Capacity          | A                                     |                              |                              |                                    |                                |                                |       |        |
| Water Supply                | Flow Rate                 | L/min                                 |                              |                              |                                    |                                |                                |       |        |
|                             | Pressure                  | MPa                                   |                              |                              |                                    |                                |                                |       |        |
| Medium                      |                           | Clean Water (Soft Water)              |                              |                              |                                    |                                |                                |       |        |
| Operating Temperature Range | °C                        | Water Supply Temperature +10 ~ 95     |                              |                              | Water Supply Temperature +10 ~ 120 |                                |                                |       |        |
| Heater Capacity             | kW                        | 4                                     | 6                            | 9                            | 4                                  | 6                              | 9                              |       |        |
| Pump                        | Maximum Flow Rate         | 50/60Hz                               | L/min                        | 35/45                        | 55/65                              | 90/100                         | 35/45                          | 55/65 | 90/100 |
|                             | Output                    |                                       | kW                           | 0.3                          | 0.6                                | 1.0                            | 0.3                            | 0.6   | 1.0    |
| Cooling Method              |                           | Direct Cooling                        |                              |                              |                                    |                                |                                |       |        |
| Piping                      | Water Supply / Drain Port | $\varnothing 10.5$ Hose Nipple (3/8B) |                              |                              |                                    |                                |                                |       |        |
|                             | Medium Feed / Return Port | 3/8Bx2 Ball valve                     | 3/8Bx4 Ball valve            | 3/8Bx6 Ball valve            | 3/8Bx2 Ball valve                  | 3/8Bx4 Ball valve              | 3/8Bx6 Ball valve              |       |        |
| Outer Dimension             | W                         | mm                                    | 233                          |                              |                                    |                                |                                |       |        |
|                             | D                         | mm                                    | 648                          | 697                          | 757                                | 658                            | 703                            | 763   |        |
|                             | H                         | mm                                    | 524                          | 564                          | 674                                | 524                            | 564                            | 674   |        |
| Product Weight              | kg                        | 40                                    | 50                           | 60                           | 40                                 | 50                             | 60                             |       |        |

※ Water quality : At least to the standards of water supply stipulated by the Japan Refrigeration and Air Conditioning Industry Association.  
Water that does not include large amount of calcium, silica, chlorine or iron with electroconductivity of between 50 and 200 ms/cm and pH of between 6 and 8.

### Options

- G1 & G3 type**
- Water supply reducing valve
  - High performance filter
  - Air purge (Manual type)
  - Alarm output (Signal only)
  - External start-stop
  - Alarm buzzer
  - Earth leakage breaker
  - Alarm indicator
  - Temperature sensor (Type change)
  - Medium return stainer
- G3 Only**
- Medium return sensor
  - Communication signal
  - Mold sensor
  - Flow rate monitor
  - Water Supply Pressure sensor (High temp. only)

Mold Temperature Controller

# MC5 (High Flow Type)

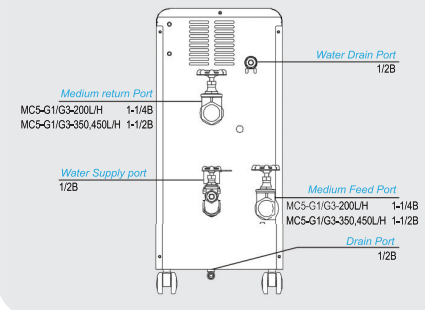
Max. Temp. **95°C • 130°C**  
 Water Flow Rate **200, 250, 450 L/min**



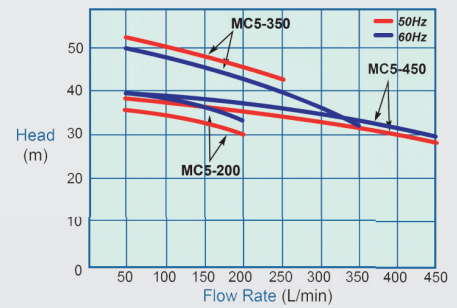
Dryer



### Piping Layout



### Pump Performance Curve



Conveyor

### Standard Specification

| Model                       | Unit                      | MC5-G3/G1-L95                     |                                |                                | MC5-G3/G1-H130                     |                                  |                                  |
|-----------------------------|---------------------------|-----------------------------------|--------------------------------|--------------------------------|------------------------------------|----------------------------------|----------------------------------|
|                             |                           | MC5-G3-200L95<br>MC5-G1-200L95    | MC5-G3-350L95<br>MC5-G1-350L95 | MC5-G3-450L95<br>MC5-G1-450L95 | MC5-G3-200H130<br>MC5-G1-200H130   | MC5-G3-350H130<br>MC5-G1-350H130 | MC5-G3-450H130<br>MC5-G1-450H130 |
| Power Supply                | Voltage                   | AC200/380V, 50/60Hz, 3 Phase      |                                |                                |                                    |                                  |                                  |
|                             | Apparent Power            | 16.0/16.5                         |                                |                                | 20.8/21.2                          |                                  |                                  |
|                             | Breaker Capacity          | 60/30                             |                                |                                | 75/40                              |                                  |                                  |
| Water Supply                | Flow Rate                 | 25.0~42.0                         |                                |                                | 19.0~22.0                          |                                  |                                  |
|                             | Pressure                  | 0.1~0.3                           |                                |                                | 0.3~0.4                            |                                  |                                  |
| Medium                      |                           | Clean Water (Soft Water)          |                                |                                |                                    |                                  |                                  |
| Operating Temperature Range | °C                        | Water Supply Temperature +10 ~ 95 |                                |                                | Water Supply Temperature +10 ~ 130 |                                  |                                  |
| Heater Capacity             | kW                        | 12                                |                                |                                | 14                                 |                                  |                                  |
| Pump                        | Maximum Flow Rate         | 50/60Hz                           | L/min                          | 200                            | 250/350                            | 450                              |                                  |
|                             | Output                    |                                   | kW                             | 2.2                            | 3.7                                | 3.7                              |                                  |
| Cooling Method              |                           | Direct Cooling                    |                                |                                |                                    |                                  |                                  |
| Piping                      | Water Supply / Drain Port | Ø 14 Hose Nipple (1/2B)           |                                |                                |                                    |                                  |                                  |
|                             | Medium Feed / Return Port | Rc11/4B (32A)                     | Rc11/2B (40A)                  |                                | Rc11/4B (32A)                      | Rc11/2B (40A)                    |                                  |
| Outer Dimension             | W                         | mm                                | 303                            |                                |                                    |                                  |                                  |
|                             | D                         | mm                                | 680                            |                                |                                    |                                  |                                  |
|                             | H                         | mm                                | 678                            |                                |                                    |                                  |                                  |
| Product Weight              | kg                        | Approx. 105                       | Approx. 110                    |                                | Approx. 105                        | Approx. 110                      |                                  |

Temperature Controller

Mold Temperature Controller

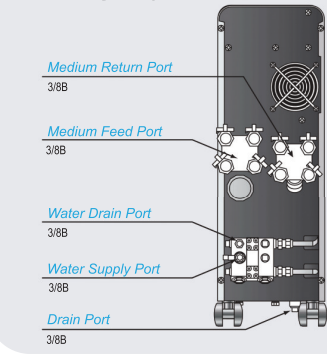
# MC5 (High Temp Type)

Max. Temp. **160°C • 180°C**  
 Water Flow Rate **53, 73, 80 L/min**

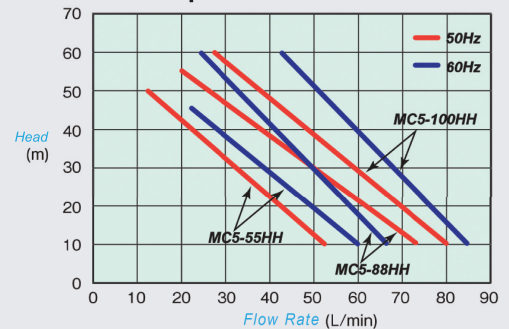
Blender



### Piping Layout



### Pump Performance Curve



Granulator

### Standard Specification

| Model                       | Unit                      | MC5-G3-HH160                       |                                  |                                    | MC5-G3-HH180                       |                                  |                                    |
|-----------------------------|---------------------------|------------------------------------|----------------------------------|------------------------------------|------------------------------------|----------------------------------|------------------------------------|
|                             |                           | MC5-G3-55HH160<br>MC5-G1-55HH160   | MC5-G3-88HH160<br>MC5-G1-88HH160 | MC5-G3-100HH160<br>MC5-G1-100HH160 | MC5-G3-55HH180<br>MC5-G1-55HH180   | MC5-G3-88HH180<br>MC5-G1-88HH180 | MC5-G3-100HH180<br>MC5-G1-100HH180 |
| Power Supply                | Voltage                   | AC200/380V, 50/60Hz, 3 Phase       |                                  |                                    |                                    |                                  |                                    |
|                             | Apparent Power            | 11.3/12.1                          |                                  | 14.8/15.6                          | 17.7/18.6                          |                                  |                                    |
|                             | Breaker Capacity          | 40/30                              |                                  | 50/30                              | 63/40                              |                                  |                                    |
| Water Supply                | Flow Rate                 | 15~                                |                                  |                                    |                                    |                                  |                                    |
|                             | Pressure                  | 0.2~0.6                            |                                  |                                    |                                    |                                  |                                    |
| Medium                      |                           | Clean Water (Soft Water)           |                                  |                                    |                                    |                                  |                                    |
| Operating Temperature Range | °C                        | Water Supply Temperature +20 ~ 160 |                                  |                                    | Water Supply Temperature +20 ~ 180 |                                  |                                    |
| Heater Capacity             | kW                        | 9                                  |                                  | 12                                 | 14                                 |                                  |                                    |
| Pump                        | Maximum Flow Rate         | 50/60Hz                            | L/min                            | 53/60                              | 73/75                              | 80/85                            |                                    |
|                             | Output                    |                                    | kW                               | 1.0/1.1                            | 1.5                                | 2.2                              |                                    |
| Booster Pump                | Output                    | 0.07                               |                                  |                                    |                                    |                                  |                                    |
| Cooling Method              |                           | Indirect Cooling                   |                                  |                                    |                                    |                                  |                                    |
| Piping                      | Water Supply / Drain Port | Ø 10.5 Hose Nipple (3/8B)          |                                  |                                    |                                    |                                  |                                    |
|                             | Medium Feed / Return Port | 3/8Bx4 Ball valve                  | 3/8Bx4 Ball valve                | 3/8Bx6 Ball valve                  | 3/8Bx4 Ball valve                  | 3/8Bx4 Ball valve                | 3/8Bx6 Ball valve                  |
| Outer Dimension             | W                         | mm                                 | 233                              |                                    | 253                                |                                  |                                    |
|                             | D                         | mm                                 | 640                              |                                    |                                    |                                  |                                    |
|                             | H                         | mm                                 | 643                              | 683                                | 733                                | 643                              | 683                                |
| Product Weight              | kg                        | 70                                 | 85                               | 100                                | 70                                 | 85                               | 100                                |

System & Others