

# Предварительно собранные распределительные коллекторы и смесительные узлы

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# 04 MANIFOLDS AND MIXING UNITS FOR DISTRIBUTION

## 04A Distribution manifolds for radiant systems

|                                                                                                    |                                                                                     |     |
|----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----|
| Couple of "FLOOR" manifolds in Forged brass with automatic deaerator and differential by-pass - 1" |  | 96  |
| Couple of "FLOOR" manifolds in Forged brass - 1"                                                   |  | 99  |
| Couple of "FLOOR" manifolds in Forged brass - 1 1/4"                                               |  | 103 |
| Couple of polyamide manifolds - 1"                                                                 |  | 107 |
| Couple of polyamide manifolds - 1 1/4"                                                             |  | 111 |
| Couple of "INDUSTRIAL FLOOR" manifolds in Forged brass - 1 1/2"                                    |  | 113 |
| Couple of manifolds in Forged brass for ceiling installation - 1"                                  |  | 116 |

## 04B Mixing and distribution units for radiant systems

|                                                    |                                                                                       |     |
|----------------------------------------------------|---------------------------------------------------------------------------------------|-----|
| Fixed point mixing and distribution units - 1"     |  | 117 |
| Climate control mixing and distribution units - 1" |  | 121 |

## 04C ACCESSORIES for manifolds and mixing and distribution units

|  |                                                                                       |     |
|--|---------------------------------------------------------------------------------------|-----|
|  |  | 124 |
|--|---------------------------------------------------------------------------------------|-----|

# 04A COUPLE OF "FLOOR" MANIFOLDS IN FORGED BRASS WITH AUTOMATIC DEAERATOR AND DIFFERENTIAL BY-PASS - 1"

Tiemme distribution manifolds art. 3873JBYD - 3873RBYDJ are the ideal solution for the construction of a heating/cooling system.

**Equipped with automatic deaerator and by-pass differential, guarantee effectively air outlet from the plant in operation and the correct flow management.**

Available with 1" connections with phased male/female thread, with 2÷14 ways arranged with 3/4" connections (Ø 18) Eurocono with or without insulation.

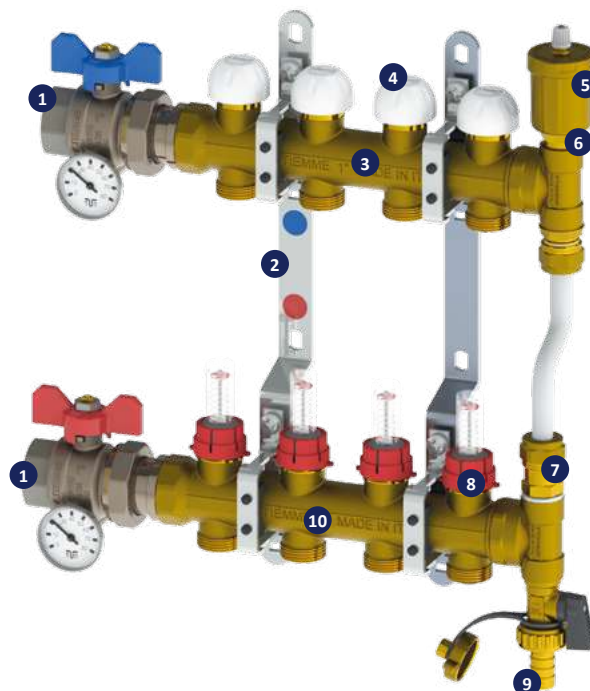
The manifolds are supplied complete with shut-off valves with thermometer holder and tap/s for loading and unloading. The flow rate of each individual way is adjustable with flowmeter. On the return manifold, the thermostatic manual shut-off valves are supplied with an easily replaceable protective cap with 9567 electro-thermal servo control.

## DIFFERENTIAL BY-PASS

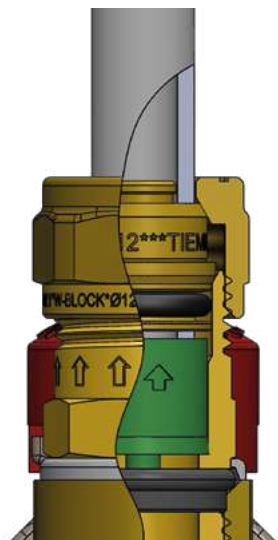
In radiant systems the distribution circuits can be intercepted through the use of electro-thermal servo controls. The progressive reduction of flow, due to the partial or total closure of individual circuits, causes the pressure to rise 9 differential until noise, temperature inhomogeneity, high fluid speeds and hydraulic system imbalance can arise.

Thand differential by-pass kit introduced in the manifold Tiemme art. 3873JBYD - 3873RBYDJ keeps the pressure of the entire system balanced. Inside the bypass there is a non-return valve consisting of a precalibrated spring to 15 kPa, not modifiable.

The valve opens gradually and automatically when the spring pressure is reached. In this way starts a recirculation of fluid in the by-pass whose flow is directly proportional to the progressive closure of the electro-thermal servo controls allowing in this way to maintain constant differential pressure within the system. Thanks to its compactness, the differential bypass introduced in the manifolds for radiant systems does not need in any way to change the dimensions of our manifolds and can also be combined with manifolds already installed and in use.



1. Full bore shut-off ball valve with thermometer
2. Fixing brackets
3. Return manifold
4. Thermostatic manual shut-off valves with protective cap
5. Automatic deactivator
6. Check valve
7. Differential By-Pass 15 kPa
8. Flowmeters
9. Loading and unloading valve
10. Delivery manifold



## TECHNICAL CHARACTERISTICS

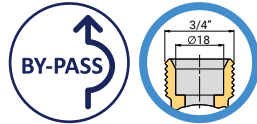
- Differential By-Pass: 15kPa
- Max operating temperature: 110 °C
- Min operating temperature: -20 °C
- Max working pressure: 10 bar
- Suitable fluids: water (with glycol < 50%)
- Manifold threads: Male/Female ISO 228
- Outlets connections: 3/4" (Ø18) (Eurocono)
- Brass parts material: Brass CW617N
- Gaskets material: ethylene-propylene rubber (EPDM)
- Brackets material: galvanized steel

# 04A COUPLE OF "FLOOR" MANIFOLDS IN FORGED BRASS WITH AUTOMATIC DEAERATOR AND DIFFERENTIAL BY-PASS - 1"



## 3873JBYD

1" distribution manifold with differential by-pass and flowmeters



**i** Can be combined with box art. 1939

| Code     | Type | Ways | Price € | Unit/Box |
|----------|------|------|---------|----------|
| 385 0255 | 1"G  | 2    |         | 1/1      |
| 385 0256 | 1"G  | 3    |         | 1/1      |
| 385 0257 | 1"G  | 4    |         | 1/1      |
| 385 0258 | 1"G  | 5    |         | 1/1      |
| 385 0259 | 1"G  | 6    |         | 1/1      |
| 385 0260 | 1"G  | 7    |         | 1/1      |
| 385 0261 | 1"G  | 8    |         | 1/1      |
| 385 0262 | 1"G  | 9    |         | 1/1      |
| 385 0263 | 1"G  | 10   |         | 1/1      |
| 385 0264 | 1"G  | 11   |         | 1/1      |
| 385 0265 | 1"G  | 12   |         | 1/1      |
| 385 0268 | 1"G  | 13   |         | 1/1      |
| 385 0269 | 1"G  | 14   |         | 1/1      |



## 3873RBYDJ

1" insulated distribution manifold with differential by-pass and flowmeters



**i** Can be combined with box art. 1940

| Code     | Type | Ways | Price € | Unit/Box |
|----------|------|------|---------|----------|
| 557 0653 | 1"G  | 2    |         | 1/1      |
| 557 0654 | 1"G  | 3    |         | 1/1      |
| 557 0655 | 1"G  | 4    |         | 1/1      |
| 557 0656 | 1"G  | 5    |         | 1/1      |
| 557 0657 | 1"G  | 6    |         | 1/1      |
| 557 0658 | 1"G  | 7    |         | 1/1      |
| 557 0659 | 1"G  | 8    |         | 1/1      |
| 557 0660 | 1"G  | 9    |         | 1/1      |
| 557 0661 | 1"G  | 10   |         | 1/1      |
| 557 0662 | 1"G  | 11   |         | 1/1      |
| 557 0663 | 1"G  | 12   |         | 1/1      |
| 557 0670 | 1"G  | 13   |         | 1/1      |
| 557 0671 | 1"G  | 14   |         | 1/1      |

## ACCESSORIES AND SPARE PARTS



## 3051ISOL

1" manifold insulation shell

| Code     | Type | Price € | Unit/Box |
|----------|------|---------|----------|
| 557 0121 | 1"   |         | 1/6      |



## 1890JISOL

1" terminal group insulation shell and automatic air vent valve

| Code     | Type | Price € | Unit/Box |
|----------|------|---------|----------|
| 557 0668 | 1"   |         | 1/12     |

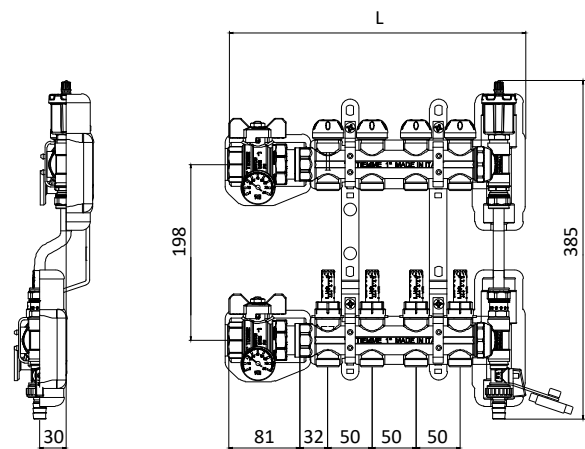


## 2121PTISOL

Insulation shell for 1" ball valve with thermometer holder

| Code     | Type | Price € | Unit/Box |
|----------|------|---------|----------|
| 557 0119 | 1"   |         | 1/12     |

## DIMENSIONS



**i** For the complete range of accessories and spare parts see page 124

# 04A COUPLE OF "FLOOR" MANIFOLDS IN FORGED BRASS WITH AUTOMATIC DEAERATOR AND DIFFERENTIAL BY-PASS - 1"



## 1939

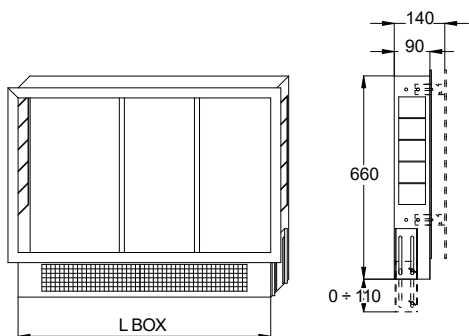
Height and depth adjustable box for manifolds

**i** Adjustable depth from 90 mm to 140 mm

| Code     | Type                  | Price € | Unit/Box |
|----------|-----------------------|---------|----------|
| 181 0192 | 400 x 660 x 90 ÷ 140  |         | 1/1      |
| 181 0193 | 500 x 660 x 90 ÷ 140  |         | 1/1      |
| 181 0206 | 600 x 660 x 90 ÷ 140  |         | 1/1      |
| 181 0194 | 700 x 660 x 90 ÷ 140  |         | 1/1      |
| 181 0195 | 1000 x 660 x 90 ÷ 140 |         | 1/1      |

## 1939

### DIMENSIONS



### GUIDE TO THE CHOICE OF BOXES

MANIFOLD COMPATIBILITY: 3873JBYD

| Ways No. | L* (mm) | L BOX (mm) | Code     |
|----------|---------|------------|----------|
| 2        | 232     | 400        | 181 0192 |
| 3        | 282     |            |          |
| 4        | 332     |            |          |
| 5        | 382     | 500        | 181 0193 |
| 6        | 432     |            |          |
| 7        | 482     |            |          |
| 8        | 532     | 600        | 181 0206 |
| 9        | 582     |            |          |
| 10       | 632     |            |          |
| 11       | 682     | 700        | 181 0194 |
| 12       | 732     |            |          |
| 13       | 782     |            |          |
| 14       | 832     | 1000       | 181 0195 |

\* Manifold width



## 1940

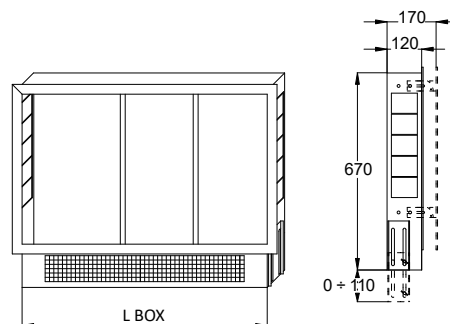
Height and depth adjustable box for mixing and distribution units and manifolds

**i** Adjustable depth from 120 mm to 170 mm

| Code     | Type                   | Price € | Unit/Box |
|----------|------------------------|---------|----------|
| 181 0020 | 600 x 670 x 120 ÷ 170  |         | 1/1      |
| 181 0016 | 700 x 670 x 120 ÷ 170  |         | 1/1      |
| 181 0015 | 850 x 670 x 120 ÷ 170  |         | 1/1      |
| 181 0019 | 1000 x 670 x 120 ÷ 170 |         | 1/1      |

## 1940

### DIMENSIONS



### GUIDE TO THE CHOICE OF BOXES

MANIFOLD COMPATIBILITY: 3873RBYDJ

| Ways No. | L* (mm) | L BOX (mm) | Code     |
|----------|---------|------------|----------|
| 2        | 262     | 600        | 181 0020 |
| 3        | 312     |            |          |
| 4        | 362     |            |          |
| 5        | 412     |            |          |
| 6        | 462     |            |          |
| 7        | 512     | 700        | 181 0016 |
| 8        | 562     |            |          |
| 9        | 612     |            |          |
| 10       | 662     | 850        | 181 0015 |
| 11       | 712     |            |          |
| 12       | 762     |            |          |
| 13       | 812     | 1000       | 181 0019 |
| 14       | 862     |            |          |

\* Manifold width

# 04<sub>A</sub> COUPLE OF "FLOOR" MANIFOLDS IN FORGED BRASS - 1"

Tiemme distribution manifolds art. 3873 - 3878 are the ideal solution for the realization of a heating/cooling system. Available with 1" connections with male/female threads and with 2÷14 ways prepared with 3/4" connections (Ø 18) Eurocono.

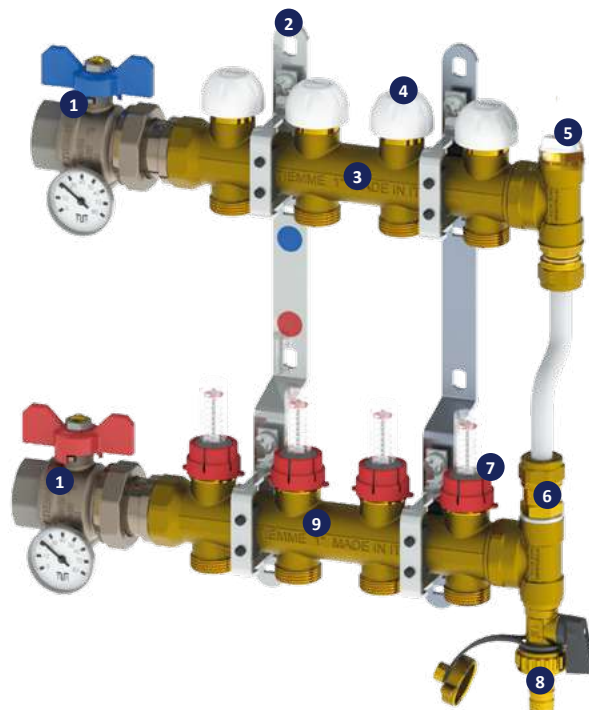
The manifolds are supplied complete with shut-off valves with thermometer holder, air vent valve/s and tap/s for loading and unloading. Tiemme distribution manifolds are also available with differential by-pass (art. 3878BYD), without by-pass (art. 3873-3878) or with insulation (art. 3873R-3873RBYD).

The flow rate of each individual way is adjustable with flowmeter (art. 3873) or with mechanical memory screw (art. 3878).

On the return manifold, the thermostatic manual shut-off valves are supplied with a protection cap, easily replaceable at a later time with electrothermal servo control art. 9567.

## TECHNICAL CHARACTERISTICS

- Differential By-Pass: 15 KPa
- Max operating temperature: 110 °C
- Min operating temperature: -20 °C
- Max working pressure: 10 bar
- Suitable fluids: water (with glycol < 50%)
- Manifold threads: Male/Female ISO 228
- Outlets connections: 3/4" (Ø18) Eurocono
- Brass parts material: Brass CW617N
- Gaskets material: EPDM
- Brackets material: galvanized steel



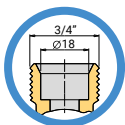
1. Full bore shut-off ball valve with thermometer
2. Fixing brackets
3. Return manifold
4. Thermostatic manual shut-off valves with protective cap
5. Manual vent valve
6. Differential By-Pass 15 kPa
7. Flowmeters / or mechanical memory screws
8. Loading and unloading valve
9. Delivery manifold

# 04<sub>A</sub> COUPLE OF "FLOOR" MANIFOLDS IN FORGED BRASS - 1"



## 3873

1" distribution manifold with flowmeters



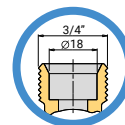
Can be combined with box art. 1939

| Code     | Type | Ways | Price € | Unit/Box |
|----------|------|------|---------|----------|
| 385 0045 | 1"G  | 2    |         | 1/1      |
| 385 0029 | 1"G  | 3    |         | 1/1      |
| 385 0020 | 1"G  | 4    |         | 1/1      |
| 385 0011 | 1"G  | 5    |         | 1/1      |
| 385 0010 | 1"G  | 6    |         | 1/1      |
| 385 0009 | 1"G  | 7    |         | 1/1      |
| 385 0002 | 1"G  | 8    |         | 1/1      |
| 385 0014 | 1"G  | 9    |         | 1/1      |
| 385 0036 | 1"G  | 10   |         | 1/1      |
| 385 0041 | 1"G  | 11   |         | 1/1      |
| 385 0022 | 1"G  | 12   |         | 1/1      |
| 385 0118 | 1"G  | 13   |         | 1/1      |
| 385 0119 | 1"G  | 14   |         | 1/1      |



## 3878

1" distribution manifold with mechanical memory screws



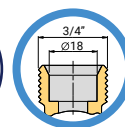
Can be combined with box art. 1939

| Code     | Type | Ways | Price € | Unit/Box |
|----------|------|------|---------|----------|
| 385 0040 | 1"G  | 2    |         | 1/1      |
| 385 0042 | 1"G  | 3    |         | 1/1      |
| 385 0035 | 1"G  | 4    |         | 1/1      |
| 385 0030 | 1"G  | 5    |         | 1/1      |
| 385 0028 | 1"G  | 6    |         | 1/1      |
| 385 0044 | 1"G  | 7    |         | 1/1      |
| 385 0031 | 1"G  | 8    |         | 1/1      |
| 385 0065 | 1"G  | 9    |         | 1/1      |
| 385 0058 | 1"G  | 10   |         | 1/1      |
| 385 0057 | 1"G  | 11   |         | 1/1      |
| 385 0060 | 1"G  | 12   |         | 1/1      |



## 3878BYD

1" distribution manifold with differential by-pass and mechanical memory screws



Can be combined with box art. 1939



With Differential By-Pass

| Code     | Type | Ways | Price € | Unit/Box |
|----------|------|------|---------|----------|
| 385 0068 | 1"G  | 2    |         | 1/1      |
| 385 0069 | 1"G  | 3    |         | 1/1      |
| 385 0067 | 1"G  | 4    |         | 1/1      |
| 385 0064 | 1"G  | 5    |         | 1/1      |
| 385 0052 | 1"G  | 6    |         | 1/1      |
| 385 0066 | 1"G  | 7    |         | 1/1      |
| 385 0033 | 1"G  | 8    |         | 1/1      |
| 385 0055 | 1"G  | 9    |         | 1/1      |
| 385 0051 | 1"G  | 10   |         | 1/1      |
| 385 0050 | 1"G  | 11   |         | 1/1      |
| 385 0056 | 1"G  | 12   |         | 1/1      |

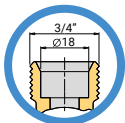


# 04<sub>A</sub> COUPLE OF "FLOOR" MANIFOLDS IN FORGED BRASS - 1"



## 3873R

1" insulated distribution manifold with flowmeters



**i** Can be combined with box art. 1940

| Code     | Type | Ways | Price € | Unit/Box |
|----------|------|------|---------|----------|
| 557 0029 | 1"G  | 2    |         | 1/1      |
| 557 0030 | 1"G  | 3    |         | 1/1      |
| 557 0031 | 1"G  | 4    |         | 1/1      |
| 557 0032 | 1"G  | 5    |         | 1/1      |
| 557 0033 | 1"G  | 6    |         | 1/1      |
| 557 0034 | 1"G  | 7    |         | 1/1      |
| 557 0035 | 1"G  | 8    |         | 1/1      |
| 557 0036 | 1"G  | 9    |         | 1/1      |
| 557 0037 | 1"G  | 10   |         | 1/1      |
| 557 0038 | 1"G  | 11   |         | 1/1      |
| 557 0039 | 1"G  | 12   |         | 1/1      |
| 557 0672 | 1"G  | 13   |         | 1/1      |
| 557 0673 | 1"G  | 14   |         | 1/1      |

## ACCESSORIES AND SPARE PARTS



## 3051ISOL

1" manifold insulation shell

| Code     | Type | Price € | Unit/Box |
|----------|------|---------|----------|
| 557 0121 | 1"   |         | 1/6      |



## 1890ISOL

1" terminal group insulation shell and air vent valve

| Code     | Type | Price € | Unit/Box |
|----------|------|---------|----------|
| 557 0117 | 1"   |         | 1/12     |

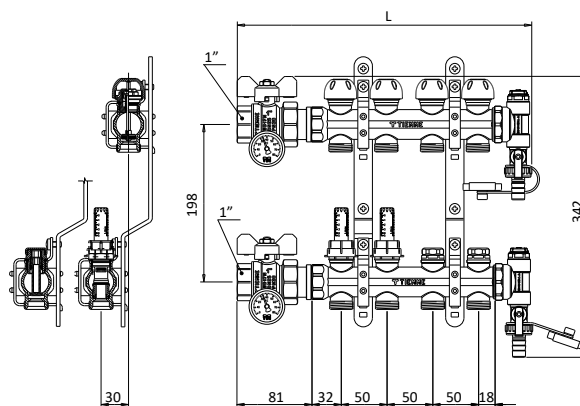


## 2121PTISOL

Insulation shell for 1" ball valve with thermometer holder

| Code     | Type | Price € | Unit/Box |
|----------|------|---------|----------|
| 557 0119 | 1"   |         | 1/12     |

## DIMENSIONS



**i** For the complete range of accessories and spare parts see page 124



# 04<sub>A</sub> COUPLE OF "FLOOR" MANIFOLDS IN FORGED BRASS - 1"



## 1939

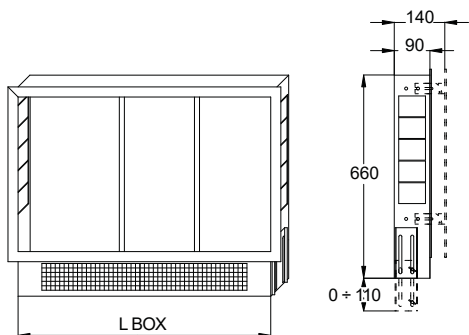
Height and depth adjustable box for manifolds

**i** Adjustable depth from 90 mm to 140 mm

| Code     | Type                  | Price € | Unit/Box |
|----------|-----------------------|---------|----------|
| 181 0192 | 400 x 660 x 90 ÷ 140  |         | 1/1      |
| 181 0193 | 500 x 660 x 90 ÷ 140  |         | 1/1      |
| 181 0206 | 600 x 660 x 90 ÷ 140  |         | 1/1      |
| 181 0194 | 700 x 660 x 90 ÷ 140  |         | 1/1      |
| 181 0195 | 1000 x 660 x 90 ÷ 140 |         | 1/1      |

## 1939

### DIMENSIONS



#### GUIDE TO THE CHOICE OF BOXES

MANIFOLD COMPATIBILITY: 3873 - 3878 - 3878BYD

| Ways No. | L* (mm) | L BOX (mm) | Code     |
|----------|---------|------------|----------|
| 2        | 232     | 400        | 181 0192 |
| 3        | 282     |            |          |
| 4        | 332     |            |          |
| 5        | 382     | 500        | 181 0193 |
| 6        | 432     |            |          |
| 7        | 482     | 600        | 181 0206 |
| 8        | 532     |            |          |
| 9        | 582     | 700        | 181 0194 |
| 10       | 632     |            |          |
| 11       | 682     | 1000       | 181 0195 |
| 12       | 732     |            |          |
| 13       | 782     |            |          |
| 14       | 832     |            |          |

\* Manifold width



## 1940

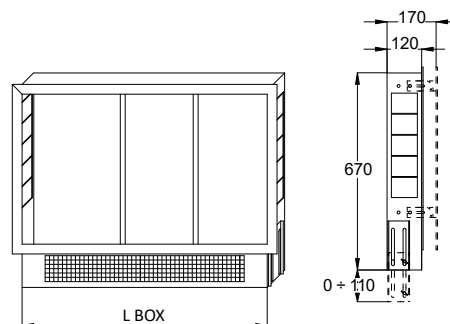
Height and depth adjustable box for mixing and distribution units and manifolds

**i** Adjustable depth from 120 mm to 170 mm

| Code     | Type                   | Price € | Unit/Box |
|----------|------------------------|---------|----------|
| 181 0020 | 600 x 670 x 120 ÷ 170  |         | 1/1      |
| 181 0016 | 700 x 670 x 120 ÷ 170  |         | 1/1      |
| 181 0015 | 850 x 670 x 120 ÷ 170  |         | 1/1      |
| 181 0019 | 1000 x 670 x 120 ÷ 170 |         | 1/1      |

## 1940

### DIMENSIONS



#### GUIDE TO THE CHOICE OF BOXES

MANIFOLD COMPATIBILITY: 3873R

| Ways No. | L* (mm) | L BOX (mm) | Code     |
|----------|---------|------------|----------|
| 2        | 262     | 600        | 181 0020 |
| 3        | 312     |            |          |
| 4        | 362     |            |          |
| 5        | 412     |            |          |
| 6        | 462     | 700        | 181 0016 |
| 7        | 512     |            |          |
| 8        | 562     |            |          |
| 9        | 612     | 850        | 181 0015 |
| 10       | 662     |            |          |
| 11       | 712     |            |          |
| 12       | 762     | 1000       | 181 0019 |
| 13       | 812     |            |          |
| 14       | 862     |            |          |

\* Manifold width

# 04<sub>A</sub> COUPLE OF "FLOOR" MANIFOLDS IN FORGED BRASS - 1"1/4

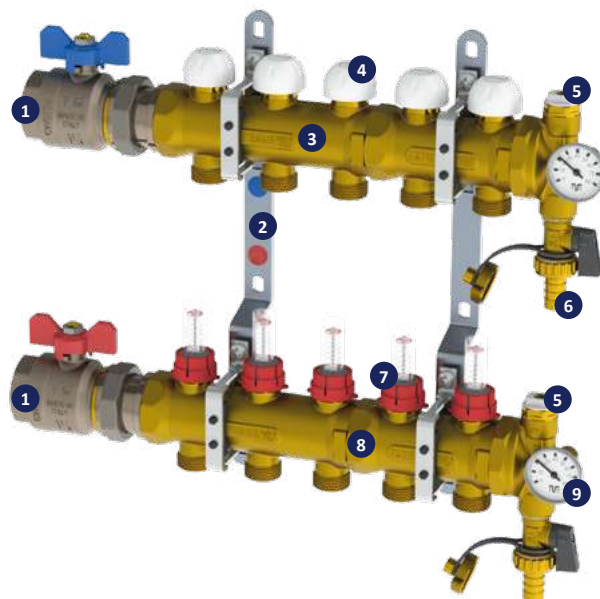
Tiemme distribution manifolds art. 3877 - 3879 are the ideal solution for the realization of a heating and/or cooling system. Available with 1"1/4 connections with male/ female threads and with 2÷12-way 3/4" connections (Ø 18) Eurocono. The manifolds are supplied complete with shut-off valves, air vent valve/s and air tap/s for loading and unloading.

Tiemme distribution manifolds are also available with differential by-pass (art. 3877BYD - 3879BYD) or without by-pass (art. 3877 - 3879). The flow rate of each individual way is adjustable with a flowmeter (art. 3877 - 3877BYD) or with a mechanical memory screw (art. 3879 - 3879BYD).

On the return manifold, the thermostatic manual shut-off valves are supplied with a protection cap, easily replaceable at a later time with electrothermal servo control art. 9567.

## TECHNICAL CHARACTERISTICS

- Max operating temperature: 110 °C
- Min operating temperature: -20 °C
- Max working pressure: 10 bar
- Suitable fluids: water (with glycol < 50%)
- Manifold threads: Male/Female ISO 228
- Outlets connections: 3/4" (Ø18) (Eurocono)
- Brass parts material: Brass CW617N
- Gaskets material: EPDM
- Brackets material: galvanized steel



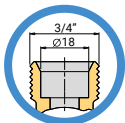
1. Full bore shut-off ball valve
2. Fixing brackets
3. Return manifold
4. Thermostatic manual shut-off valves with protective cap
5. Manual vent valve
6. Loading and unloading valve
7. Flow meters/screw heads with mechanical memory
8. Delivery manifold
9. Thermometer

# 04<sub>A</sub> COUPLE OF "FLOOR" MANIFOLDS IN FORGED BRASS - 1"1/4



## 3877

1" 1/4 distribution manifold  
with flowmeters

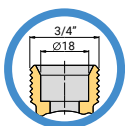


| Code     | Type    | Ways | Price € | Unit/Box |
|----------|---------|------|---------|----------|
| 385 0122 | 1" 1/4G | 2    |         | 1/1      |
| 385 0123 | 1" 1/4G | 3    |         | 1/1      |
| 385 0124 | 1" 1/4G | 4    |         | 1/1      |
| 385 0125 | 1" 1/4G | 5    |         | 1/1      |
| 385 0126 | 1" 1/4G | 6    |         | 1/1      |
| 385 0127 | 1" 1/4G | 7    |         | 1/1      |
| 385 0128 | 1" 1/4G | 8    |         | 1/1      |
| 385 0129 | 1" 1/4G | 9    |         | 1/1      |
| 385 0130 | 1" 1/4G | 10   |         | 1/1      |
| 385 0131 | 1" 1/4G | 11   |         | 1/1      |
| 385 0132 | 1" 1/4G | 12   |         | 1/1      |



## 3877BYD

1" 1/4 distribution manifold  
with differential by-pass and  
flowmeters



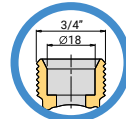
 With Differential By-Pass

| Code     | Type    | Ways | Price € | Unit/Box |
|----------|---------|------|---------|----------|
| 385 0133 | 1" 1/4G | 2    |         | 1/1      |
| 385 0134 | 1" 1/4G | 3    |         | 1/1      |
| 385 0135 | 1" 1/4G | 4    |         | 1/1      |
| 385 0136 | 1" 1/4G | 5    |         | 1/1      |
| 385 0137 | 1" 1/4G | 6    |         | 1/1      |
| 385 0138 | 1" 1/4G | 7    |         | 1/1      |
| 385 0139 | 1" 1/4G | 8    |         | 1/1      |
| 385 0140 | 1" 1/4G | 9    |         | 1/1      |
| 385 0141 | 1" 1/4G | 10   |         | 1/1      |
| 385 0142 | 1" 1/4G | 11   |         | 1/1      |
| 385 0143 | 1" 1/4G | 12   |         | 1/1      |



## 3879

1" 1/4 distribution manifold  
with mechanical memory  
screws

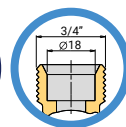


| Code     | Type    | Ways | Price € | Unit/Box |
|----------|---------|------|---------|----------|
| 385 0144 | 1" 1/4G | 2    |         | 1/1      |
| 385 0145 | 1" 1/4G | 3    |         | 1/1      |
| 385 0146 | 1" 1/4G | 4    |         | 1/1      |
| 385 0147 | 1" 1/4G | 5    |         | 1/1      |
| 385 0148 | 1" 1/4G | 6    |         | 1/1      |
| 385 0149 | 1" 1/4G | 7    |         | 1/1      |
| 385 0150 | 1" 1/4G | 8    |         | 1/1      |
| 385 0151 | 1" 1/4G | 9    |         | 1/1      |
| 385 0152 | 1" 1/4G | 10   |         | 1/1      |
| 385 0153 | 1" 1/4G | 11   |         | 1/1      |
| 385 0154 | 1" 1/4G | 12   |         | 1/1      |



## 3879BYD

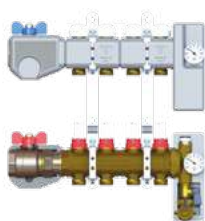
1" 1/4 distribution manifold  
with differential by-pass and  
mechanical memory screws



 With Differential By-Pass

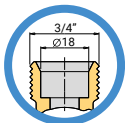
| Code     | Type    | Ways | Price € | Unit/Box |
|----------|---------|------|---------|----------|
| 385 0155 | 1" 1/4G | 2    |         | 1/1      |
| 385 0156 | 1" 1/4G | 3    |         | 1/1      |
| 385 0157 | 1" 1/4G | 4    |         | 1/1      |
| 385 0158 | 1" 1/4G | 5    |         | 1/1      |
| 385 0159 | 1" 1/4G | 6    |         | 1/1      |
| 385 0160 | 1" 1/4G | 7    |         | 1/1      |
| 385 0161 | 1" 1/4G | 8    |         | 1/1      |
| 385 0162 | 1" 1/4G | 9    |         | 1/1      |
| 385 0163 | 1" 1/4G | 10   |         | 1/1      |
| 385 0164 | 1" 1/4G | 11   |         | 1/1      |
| 385 0165 | 1" 1/4G | 12   |         | 1/1      |

# 04<sub>A</sub> COUPLE OF "FLOOR" MANIFOLDS IN FORGED BRASS - 1"1/4

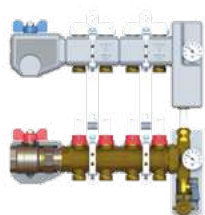


## 3877R

1" 1/4 insulated distribution manifold with flowmeters

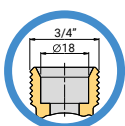


| Code     | Type    | Ways | Price € | Unit/Box |
|----------|---------|------|---------|----------|
| 557 0571 | 1" 1/4G | 2    |         | 1/1      |
| 557 0572 | 1" 1/4G | 3    |         | 1/1      |
| 557 0573 | 1" 1/4G | 4    |         | 1/1      |
| 557 0574 | 1" 1/4G | 5    |         | 1/1      |
| 557 0575 | 1" 1/4G | 6    |         | 1/1      |
| 557 0576 | 1" 1/4G | 7    |         | 1/1      |
| 557 0577 | 1" 1/4G | 8    |         | 1/1      |
| 557 0578 | 1" 1/4G | 9    |         | 1/1      |
| 557 0579 | 1" 1/4G | 10   |         | 1/1      |
| 557 0580 | 1" 1/4G | 11   |         | 1/1      |
| 557 0581 | 1" 1/4G | 12   |         | 1/1      |



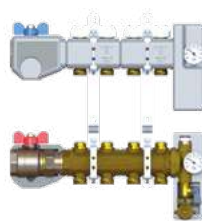
## 3877RBYD

1" 1/4 insulated distribution manifold with differential by-pass and flowmeters



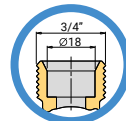
 With Differential By-Pass

| Code     | Type    | Ways | Price € | Unit/Box |
|----------|---------|------|---------|----------|
| 557 0582 | 1" 1/4G | 2    |         | 1/1      |
| 557 0583 | 1" 1/4G | 3    |         | 1/1      |
| 557 0584 | 1" 1/4G | 4    |         | 1/1      |
| 557 0585 | 1" 1/4G | 5    |         | 1/1      |
| 557 0586 | 1" 1/4G | 6    |         | 1/1      |
| 557 0587 | 1" 1/4G | 7    |         | 1/1      |
| 557 0588 | 1" 1/4G | 8    |         | 1/1      |
| 557 0589 | 1" 1/4G | 9    |         | 1/1      |
| 557 0590 | 1" 1/4G | 10   |         | 1/1      |
| 557 0591 | 1" 1/4G | 11   |         | 1/1      |
| 557 0592 | 1" 1/4G | 12   |         | 1/1      |

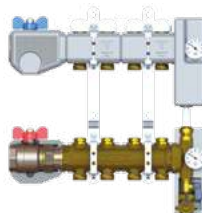


## 3879R

1" 1/4 insulated distribution manifold with mechanical memory screws

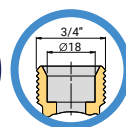


| Code     | Type    | Ways | Price € | Unit/Box |
|----------|---------|------|---------|----------|
| 557 0561 | 1" 1/4G | 2    |         | 1/1      |
| 557 0562 | 1" 1/4G | 3    |         | 1/1      |
| 557 0563 | 1" 1/4G | 4    |         | 1/1      |
| 557 0564 | 1" 1/4G | 5    |         | 1/1      |
| 557 0565 | 1" 1/4G | 6    |         | 1/1      |



## 3879RBYD

1" 1/4 insulated distribution manifold with differential by-pass and mechanical memory screws



 With Differential By-Pass

| Code     | Type    | Ways | Price € | Unit/Box |
|----------|---------|------|---------|----------|
| 557 0566 | 1" 1/4G | 2    |         | 1/1      |
| 557 0567 | 1" 1/4G | 3    |         | 1/1      |
| 557 0568 | 1" 1/4G | 4    |         | 1/1      |
| 557 0569 | 1" 1/4G | 5    |         | 1/1      |
| 557 0570 | 1" 1/4G | 6    |         | 1/1      |



1"1/4 manifold insulation shell

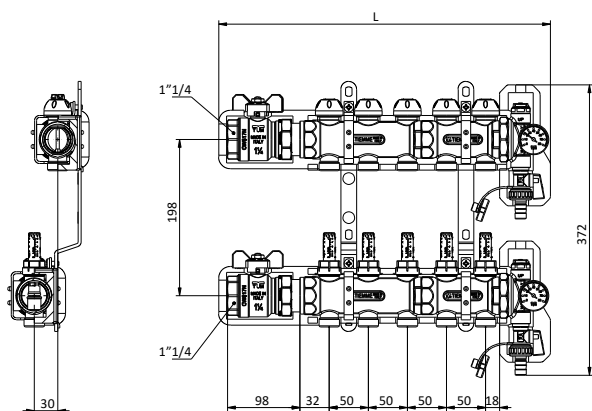


1"1/4 - 1"1/2 terminal group  
insulation shell and air vent  
valve



Insulation shell for 1"1/4 ball valve with thermometer holder

## DIMENSIONS



Height and depth adjustable box for mixing and distribution units and manifolds

| Code     | Type                   | Price € | Unit/Box |
|----------|------------------------|---------|----------|
| 181 0020 | 600 x 670 x 120 ÷ 170  |         | 1/1      |
| 181 0016 | 700 x 670 x 120 ÷ 170  |         | 1/1      |
| 181 0015 | 850 x 670 x 120 ÷ 170  |         | 1/1      |
| 181 0019 | 1000 x 670 x 120 ÷ 170 |         | 1/1      |

Technical drawing of the L BOX unit. The front view shows a unit with three vertical compartments and a control panel at the bottom. The side view shows the unit's depth and height. Dimensions are provided in millimeters (mm).

Dimensions:

- Top width: 170 mm
- Top width (inner): 120 mm
- Height: 670 mm
- Bottom width: 120 mm
- Bottom height: 110 mm

**MANIFOLD COMPATIBILITY:** 3877 - 3877BYD - 3879 - 3879BYD  
- 3877R - 3877RBYD - 3879R - 3879RBYD

| Ways No. | L* (mm) | L BOX (mm) | Code            |
|----------|---------|------------|-----------------|
| 2        | 262     | 600        | <b>181 0020</b> |
| 3        | 312     |            |                 |
| 4        | 362     |            |                 |
| 5        | 412     |            |                 |
| 6        | 462     |            |                 |
| 7        | 512     |            |                 |
| 8        | 562     | 700        | <b>181 0016</b> |
| 9        | 612     |            |                 |
| 10       | 662     | 850        | <b>181 0015</b> |
| 11       | 712     |            |                 |
| 12       | 762     |            |                 |

\* Manifold width

 For the complete range of accessories and spare parts see p. 124

# 04A COUPLE OF POLYAMIDE MANIFOLDS - 1"

## DOUBLE CHAMBER

The distribution manifold art. 3871POL is made of thermoplastic material with high technological content, designed for radiant heating and cooling systems with double anti-condensation chamber.

These are patented modular manifolds complete with flowmeters with graduated scale and with the possibility of total closure of the way on the delivery module.

Each return module is equipped with a thermostat insert for the application of an electrothermal actuator.

The 3/4" x 18 Eurocono outlet are perfectly compatible with both PEX and multilayer pipes.

The low pressure losses (characteristic due to the particular shape of the supply and return modules) allow the use of pipes for the heating circuits with a significantly reduced diameter.

To obtain these characteristics, high-tech thermoplastic materials have been used. In particular, the material constituting the modules is a polyamide reinforced with 50% fiberglass with mechanical characteristics similar to light alloys but with significantly higher resistance to atmospheric agents. Another essential feature of the manifolds is that it is absolutely impervious to limestone sediments and therefore the protection from any type of corrosion.

### TECHNICAL CHARACTERISTICS

- Max percentage of glycol: 50%
- Operating pressure: 1,5 ÷ 2,5 bar
- Maximum working pressure: 6 bar
- Temperature range: 4 °C ÷ 70 °C

### DELIVERY MODULE MATERIALS

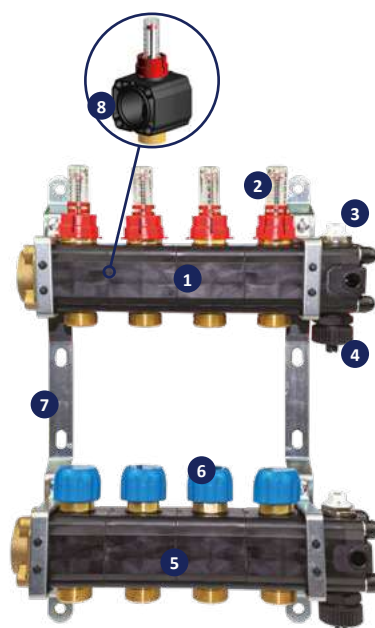
- Body: PAS777
- Partializer: PES
- Index of flow: POM
- Cap: CW614N
- Handle: ABS
- Cap cover: ABS
- O-ring: NBR

### RETURN MODULES MATERIALS

- Body: PAS777
- Thermostatic block: CW614N
- Dipstick: AISI303
- Spring: AISI302
- Handle: ABS
- O-ring: NBR

### HEAD/TERMINAL KIT MATERIALS

- Air vent/terminal body: PAS777
- Bracket/collar: Steel
- Screws: C15
- Threaded bar: Fe37 galvanized CR3
- Brass components: CW617N



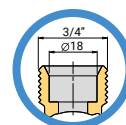
1. Delivery manifold
2. Flowmeters
3. Manual vent valve
4. Loading and unloading valve
5. Return manifold
6. Thermostatic manual shut-off valves with protective cap
7. Fixing brackets
8. Double chamber

### PRODUCT RANGE



#### 3871POL

Double chamber 1"  
distribution manifold in  
poliammide with flowmeters



| Code     | Type | Ways | Price € | Unit/Box |
|----------|------|------|---------|----------|
| 388 0020 | 1"G  | 2    |         | 1/1      |
| 388 0021 | 1"G  | 3    |         | 1/1      |
| 388 0022 | 1"G  | 4    |         | 1/1      |
| 388 0023 | 1"G  | 5    |         | 1/1      |
| 388 0024 | 1"G  | 6    |         | 1/1      |
| 388 0025 | 1"G  | 7    |         | 1/1      |
| 388 0026 | 1"G  | 8    |         | 1/1      |
| 388 0027 | 1"G  | 9    |         | 1/1      |
| 388 0028 | 1"G  | 10   |         | 1/1      |
| 388 0029 | 1"G  | 11   |         | 1/1      |
| 388 0030 | 1"G  | 12   |         | 1/1      |
| 388 0053 | 1"G  | 13   |         | 1/1      |
| 388 0054 | 1"G  | 14   |         | 1/1      |

# 04<sub>A</sub> COUPLE OF POLYAMIDE MANIFOLDS - 1"

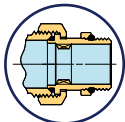
## DOUBLE CHAMBER

### ACCESSORIES



#### 2120R

Straight valve with reversible thermometer connection



PATENTED

| Code                                                                              | Type        | Price € | Unit/Box |
|-----------------------------------------------------------------------------------|-------------|---------|----------|
|  | red handle  |         |          |
| 212 0043                                                                          | 1"          |         | 5/20     |
|  | blue handle |         |          |
| 212 0042                                                                          | 1"          |         | 5/20     |

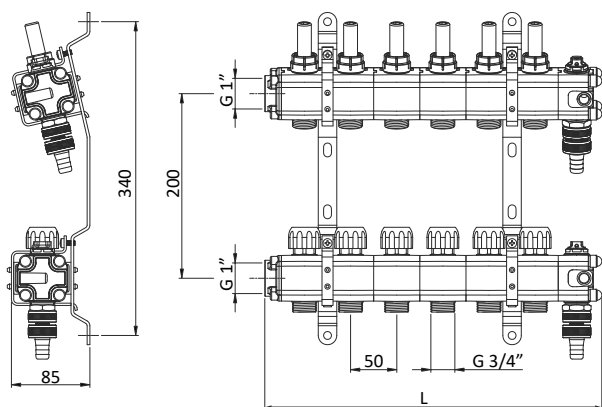


#### 2121PTISOL

Insulation shell for 1" ball valve with thermometer holder

| Code     | Type | Price € | Unit/Box |
|----------|------|---------|----------|
| 557 0119 | 1"   |         | 1/12     |

### DIMENSIONS



#### 1939

Height and depth adjustable box for manifolds

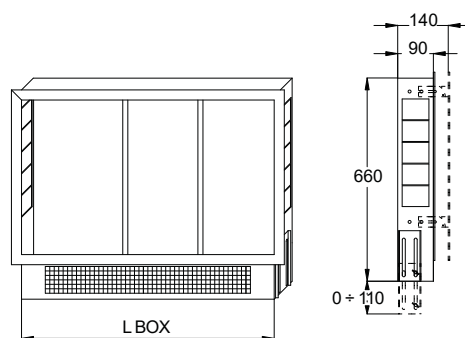


Adjustable depth from 90 mm to 140 mm

| Code     | Type                  | Price € | Unit/Box |
|----------|-----------------------|---------|----------|
| 181 0192 | 400 x 660 x 90 ÷ 140  |         | 1/1      |
| 181 0193 | 500 x 660 x 90 ÷ 140  |         | 1/1      |
| 181 0206 | 600 x 660 x 90 ÷ 140  |         | 1/1      |
| 181 0194 | 700 x 660 x 90 ÷ 140  |         | 1/1      |
| 181 0195 | 1000 x 660 x 90 ÷ 140 |         | 1/1      |

### 1939

### DIMENSIONS



### GUIDE TO THE CHOICE OF BOXES

MANIFOLD COMPATIBILITY: 3871POL

| Ways No. | L' (mm) | L' + valvola (mm) | L BOX (mm) | Code     |
|----------|---------|-------------------|------------|----------|
| 2        | 165     | 246               | 400        | 181 0192 |
| 3        | 215     | 296               |            |          |
| 4        | 265     | 346               | 500        | 181 0193 |
| 5        | 315     | 396               |            |          |
| 6        | 365     | 446               | 600        | 181 0206 |
| 7        | 415     | 496               |            |          |
| 8        | 465     | 546               | 700        | 181 0194 |
| 9        | 515     | 596               |            |          |
| 10       | 565     | 646               | 1000       | 181 0195 |
| 11       | 615     | 696               |            |          |
| 12       | 665     | 746               |            |          |
| 13       | 715     | 796               |            |          |
| 14       | 765     | 846               |            |          |

The size of the accessory ball valve has already been considered to define the manifold/ box combination.

\* Manifold width



For the complete range of accessories and spare parts see page 124



# 04<sub>A</sub> COUPLE OF POLYAMIDE MANIFOLDS - 1"

## SINGLE CHAMBER

The distribution manifold art. 3871PMON is made of thermoplastic material with high technological content, designed for radiant heating and cooling systems.

These are manifolds complete with flowmeters with graduated scale and with the possibility of total closure of the way on the delivery module.

Each return module is equipped with a thermostat insert for the application of an electrothermal actuator (Art. 9568).

The 3/4" x 18 Eurocono outlets are perfectly compatible with both PEX and multilayer pipes.

To obtain these characteristics, high-tech thermoplastic materials have been used. In particular, the material constituting the modules is a polyamide reinforced with 50% fiberglass with mechanical characteristics similar to light alloys but with significantly higher resistance to atmospheric agents. Another essential feature of the manifolds is that it is absolutely impervious to limestone sediments and therefore the protection from any type of corrosion.

### TECHNICAL CHARACTERISTICS

- Max percentage of glycol: 50%
- Maximum working pressure: 6 bar
- Temperature range: 5 °C ÷ 55 °C

### MATERIALS

- Components made of plastic: PA12 / PA12 GF30/ PPS/ PA6,6/ PA6,6 GF30/ PP/ POM
- Brass components: CW614N/CW617N
- Gaskets: EPDM Perox



1. Delivery manifold
2. Flowmeters
3. Automatic vent valve
4. Loading and unloading valve
5. Return manifold
6. Thermostatic manual shut-off valves with protective cap
7. Fixing brackets

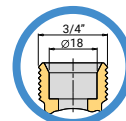
### PRODUCT RANGE

NEW



### 3871PMON

1" distribution monoblock manifold in polyamide with 3/4"x18 outlets (Eurocono) and flowmeters



 Couple with servo control 9568.

| Code     | Type | Ways | Price € | Unit/Box |
|----------|------|------|---------|----------|
| 388 0031 | 1"G  | 2    |         | 1/1      |
| 388 0032 | 1"G  | 3    |         | 1/1      |
| 388 0033 | 1"G  | 4    |         | 1/1      |
| 388 0034 | 1"G  | 5    |         | 1/1      |
| 388 0035 | 1"G  | 6    |         | 1/1      |
| 388 0036 | 1"G  | 7    |         | 1/1      |
| 388 0037 | 1"G  | 8    |         | 1/1      |
| 388 0038 | 1"G  | 9    |         | 1/1      |
| 388 0039 | 1"G  | 10   |         | 1/1      |
| 388 0040 | 1"G  | 11   |         | 1/1      |
| 388 0041 | 1"G  | 12   |         | 1/1      |
| 388 0078 | 1"G  | 13   |         | 1/1      |
| 388 0080 | 1"G  | 14   |         | 1/1      |

# 04<sub>A</sub> COUPLE OF POLYAMIDE MANIFOLDS - 1"

## SINGLE CHAMBER

### ACCESSORIES

NEW



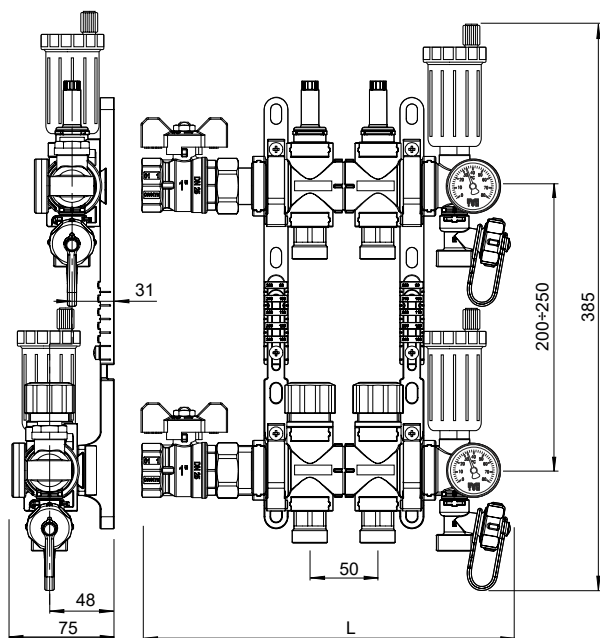
#### 3871KITPMON

2-way extension kit for 1" distribution monoblock manifold in polyamide with 3/4"x18 outlets (Eurocono) and flowmeters

**i** Couple with servo control 9568.

| Code     | Type | Ways | Price € | Unit/Box |
|----------|------|------|---------|----------|
| 388 0083 | 1"G  | 2    |         | 1/4      |

### DIMENSIONS



#### 1939

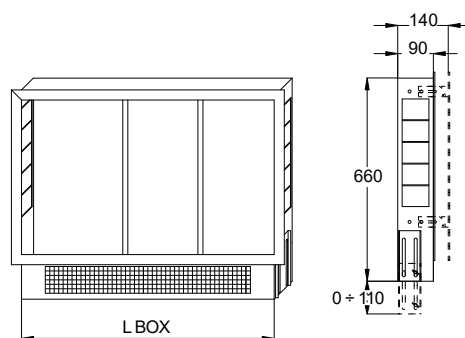
Height and depth adjustable box for manifolds

**i** Adjustable depth from 90 mm to 140 mm

| Code     | Type                  | Price € | Unit/Box |
|----------|-----------------------|---------|----------|
| 181 0192 | 400 x 660 x 90 ÷ 140  |         | 1/1      |
| 181 0193 | 500 x 660 x 90 ÷ 140  |         | 1/1      |
| 181 0206 | 600 x 660 x 90 ÷ 140  |         | 1/1      |
| 181 0194 | 700 x 660 x 90 ÷ 140  |         | 1/1      |
| 181 0195 | 1000 x 660 x 90 ÷ 140 |         | 1/1      |

#### 1939

#### DIMENSIONS



#### GUIDE TO THE CHOICE OF BOXES

##### MANIFOLD COMPATIBILITY: 3871PMON

| Ways No. | L* (mm) | L BOX (mm) | Code     |
|----------|---------|------------|----------|
| 2        | 271     | 400        | 181 0192 |
| 3        | 321     |            |          |
| 4        | 371     | 500        | 181 0193 |
| 5        | 421     |            |          |
| 6        | 471     | 600        | 181 0206 |
| 7        | 521     |            |          |
| 8        | 571     | 700        | 181 0194 |
| 9        | 621     |            |          |
| 10       | 671     | 1000       | 181 0195 |
| 11       | 758     |            |          |
| 12       | 808     |            |          |
| 13       | 858     |            |          |
| 14       | 908     |            |          |

\* Manifold width

# 04<sub>A</sub> COUPLE OF POLYAMIDE MANIFOLDS - 1"1/4

Distribution manifolds art. 3872POL are made of thermoplastic material with high technological content, designed for radiant heating and cooling systems.

These are patented modular manifolds complete with flowmeters with graduated scale, with the possibility of total closure of the way on the delivery module.

Each return module is equipped with a thermostat insert for the application of an electrothermal actuator. The 3/4" x 18 Eurocono outlets are perfectly compatible with both PEX and multilayer pipes.

The low pressure drops (characteristic due to the particular shape of the delivery and return modules) allow the use of pipes for the heating circuits with a significantly reduced diameter.

To obtain these characteristics, high-tech thermoplastic materials have been used. In particular, the material constituting the modules is a polyamide reinforced with 50% fiberglass with mechanical characteristics similar to light alloys but with significantly higher resistance to atmospheric agents. Another essential feature of the manifolds is that it is absolutely impervious to limestone sediments and therefore the protection from any type of corrosion.

## TECHNICAL CHARACTERISTICS

- Max percentage of glycol: 50%
- Operating pressure: 1,5 ÷ 2,5 bar
- Maximum working pressure: 6 bar
- Test pressure: 8 bar
- Temperature range: 4 °C ÷ 70 °C

## DELIVERY MODULE MATERIALS

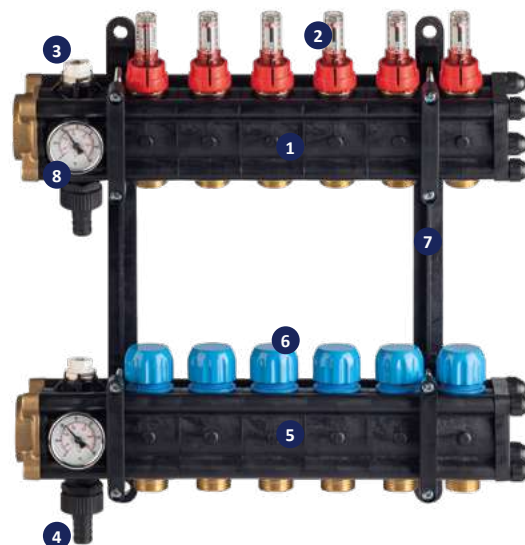
- Body: PAS777
- Partializer: PES
- Index of flow: POM
- Cap: CW614N
- Handle: ABS
- Cap cover: ABS
- O-ring: NBR

## RETURN MODULES MATERIALS

- Body: PAS777
- Thermostatic block: CW614N
- Dipstick: AISI303
- Spring: AISI302
- Handle: ABS
- O-ring: NBR

## HEAD/TERMINAL KIT MATERIALS

- Air vent/terminal body: PAS777
- Bracket/collar: PP
- Screws: C15
- Threaded bar: Fe37 galvanized CR3
- Brass components: CW617N
- Drain tap: PA6
- O-rings: NBR70



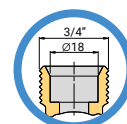
1. Delivery manifold
2. Flowmeters
3. Manual vent valve
4. Loading and unloading valve
5. Return manifold
6. Thermostatic manual shut-off valves with protective cap
7. Fixing brackets
8. Thermometer

## PRODUCT RANGE



### 3872POL

1"1/4 polyamide distribution manifold with flowmeters



**i** Couple with servo control 9568.

| Code     | Type    | Ways | Price € | Unit/Box |
|----------|---------|------|---------|----------|
| 388 0007 | 1" 1/4G | 2    |         | 1/1      |
| 388 0008 | 1" 1/4G | 3    |         | 1/1      |
| 388 0009 | 1" 1/4G | 4    |         | 1/1      |
| 388 0003 | 1" 1/4G | 5    |         | 1/1      |
| 388 0004 | 1" 1/4G | 6    |         | 1/1      |
| 388 0010 | 1" 1/4G | 7    |         | 1/1      |
| 388 0011 | 1" 1/4G | 8    |         | 1/1      |
| 388 0012 | 1" 1/4G | 9    |         | 1/1      |
| 388 0005 | 1" 1/4G | 10   |         | 1/1      |
| 388 0006 | 1" 1/4G | 11   |         | 1/1      |
| 388 0001 | 1" 1/4G | 12   |         | 1/1      |
| 388 0002 | 1" 1/4G | 13   |         | 1/1      |
| 388 0013 | 1" 1/4G | 14   |         | 1/1      |
| 388 0014 | 1" 1/4G | 15   |         | 1/1      |
| 388 0015 | 1" 1/4G | 16   |         | 1/1      |

## ACCESSORIES



**2371**  
MISTRAL ball valve Male/female  
ISO 228 with T handle

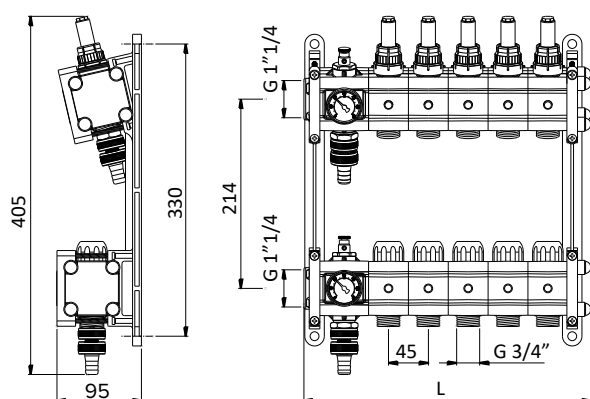
| Code                                                                                                 | Type  | Price € | Unit/Box |
|------------------------------------------------------------------------------------------------------|-------|---------|----------|
|  <b>red handle</b>  |       |         |          |
| 236 0031                                                                                             | 1"1/4 |         | 8/32     |
|  <b>blue handle</b> |       |         |          |
| 236 0138                                                                                             | 1"1/4 |         | 8/32     |



**2371ISOL**  
Insulation shell for MISTRAL ball  
valve male/female 1"1/4

| Code     | Type  | Price € | Unit/Box |
|----------|-------|---------|----------|
| 557 0528 | 1"1/4 |         | 1/10     |

## DIMENSIONS



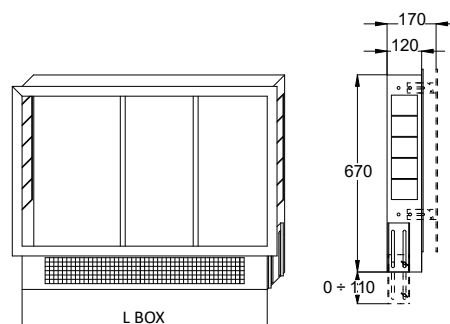
## 1940

Height and depth adjustable box  
for mixing and distribution units  
and manifolds

 Adjustable depth from 120 mm to 170 mm

| Code     | Type                   | Price € | Unit/Box |
|----------|------------------------|---------|----------|
| 181 0020 | 600 x 670 x 120 ÷ 170  |         | 1/1      |
| 181 0016 | 700 x 670 x 120 ÷ 170  |         | 1/1      |
| 181 0015 | 850 x 670 x 120 ÷ 170  |         | 1/1      |
| 181 0019 | 1000 x 670 x 120 ÷ 170 |         | 1/1      |

## 1940 DIMENSIONS



## GUIDE TO THE CHOICE OF BOXES

MANIFOLD COMPATIBILITY: 3872POL

| Ways No. | L' (mm) | L' + valvola (mm) | L BOX (mm) | Code     |
|----------|---------|-------------------|------------|----------|
| 2        | 190     | 255               | 600        | 181 0020 |
| 3        | 235     | 300               |            |          |
| 4        | 280     | 345               |            |          |
| 5        | 325     | 390               |            |          |
| 6        | 370     | 435               |            |          |
| 7        | 415     | 480               | 700        | 181 0016 |
| 8        | 460     | 525               |            |          |
| 9        | 505     | 570               |            |          |
| 10       | 550     | 615               | 850        | 181 0015 |
| 11       | 595     | 660               |            |          |
| 12       | 640     | 705               |            |          |
| 13       | 685     | 750               | 1000       | 181 0019 |
| 14       | 730     | 795               |            |          |
| 15       | 775     | 840               |            |          |
| 16       | 820     | 885               |            |          |

The size of the accessory ball valve has already been considered to define the manifold/ box combination.

\* Manifold width

 For the complete range of accessories and spare parts see page 124

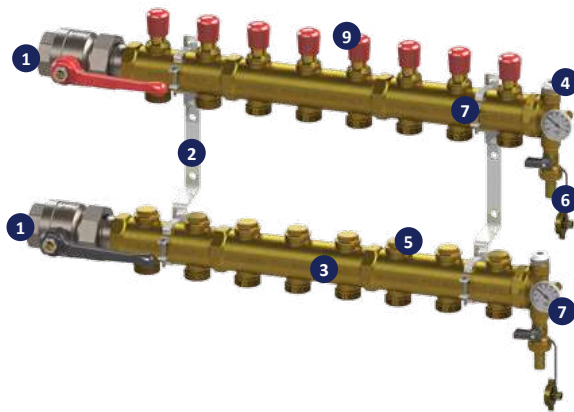
# 04<sub>A</sub> COUPLE OF "INDUSTRIAL FLOOR" MANIFOLDS IN FORGED BRASS - 1"1/2

Distribution manifolds "INDUSTRIAL FLOOR", art. 3874, are the ideal solution for the construction of an industrial heating system.

They are available with 1"1/2 connections with male/female thread and with 5÷14 ways prepared with 1"x26,5 (internal diameter 1") connections.

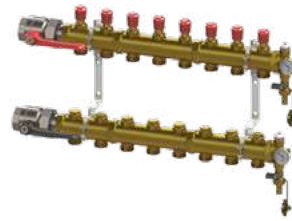
The manifolds are supplied complete with shut-off valves, thermometer holding terminals with manual adjustable air vent valves and taps for loading and unloading the system.

The flow rate of each individual way is adjustable through a manual valve that also acts as a stop valve.



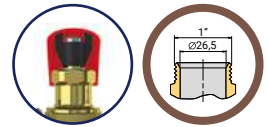
1. Full bore shut-off ball valve
2. Fixing brackets
3. Return manifold
4. Manual vent valve
5. Loading and unloading valve
6. Screw valves
7. Delivery manifold
8. Thermometer
9. Regulating screw valve

## PRODUCT RANGE



### 3874

1"1/2 distribution Forged manifold in brass CW617N with 1" male outlet



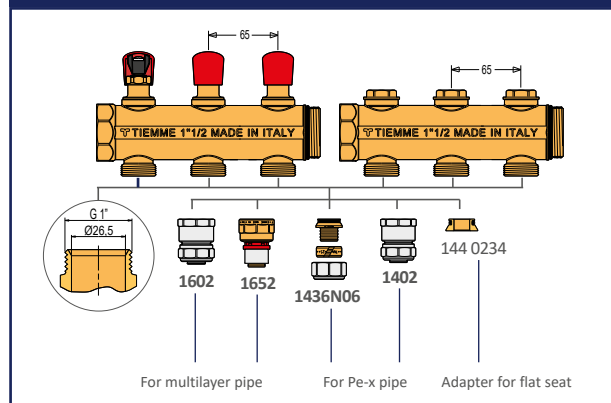
## DESCRIPTION

- Supply and return manifold in brass CW617N
- 1" G outlet with regulating screw valve on the delivery
- 1"1/2 ball valves on adductions
- Thermometers
- Taps for loading/unloading
- Manual air vent valve
- Fixing brackets

| Code     | Type   | Ways | Outlets | Price € | Unit/Box |
|----------|--------|------|---------|---------|----------|
| 385 0074 | 1"1/2G | 5    | 1"G     |         | 1/1      |
| 385 0075 | 1"1/2G | 6    | 1"G     |         | 1/1      |
| 385 0076 | 1"1/2G | 7    | 1"G     |         | 1/1      |
| 385 0077 | 1"1/2G | 8    | 1"G     |         | 1/1      |
| 385 0078 | 1"1/2G | 9    | 1"G     |         | 1/1      |
| 385 0079 | 1"1/2G | 10   | 1"G     |         | 1/1      |
| 385 0080 | 1"1/2G | 11   | 1"G     |         | 1/1      |
| 385 0081 | 1"1/2G | 12   | 1"G     |         | 1/1      |
| 385 0082 | 1"1/2G | 13   | 1"G     |         | 1/1      |
| 385 0083 | 1"1/2G | 14   | 1"G     |         | 1/1      |

## 3874

## GUIDE TO CONNECTIONS



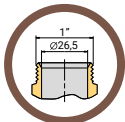
# 04<sub>A</sub> COUPLE OF "INDUSTRIAL FLOOR" MANIFOLDS IN FORGED BRASS - 1"1/2

## ACCESSORIES AND SPARE PARTS



### 1436N06

1" G adapter for PE-X pipe



| Code     | Type            | Price € | Unit/Box |
|----------|-----------------|---------|----------|
| 144 0232 | 20 x 2,0 - 1" G |         | 10/200   |
| 144 0075 | 25 x 2,3 - 1" G |         | 10/200   |



### 1859

Adapter to transform 1" G connection into flat stop

| Code     | Type | Price € | Unit/Box |
|----------|------|---------|----------|
| 144 0234 | 1" G |         | 10/300   |



### 3874P

Protective cap

| Code     | Type | Price € | Unit/Box |
|----------|------|---------|----------|
| 179 0037 | -    |         | 5/50     |



### 1889TERMO

Female terminal fitting with thread self-aligning and thermometer holder

| Code     | Type                | Price € | Unit/Box |
|----------|---------------------|---------|----------|
| 195 0064 | 1"1/2 x 1/2" x 1/2" |         | 5/50     |



### 3352

Manual vent valve with screwdriver cut

| Code     | Type | Price € | Unit/Box |
|----------|------|---------|----------|
| 198 0018 | 1/2" |         | 10/500   |



### 2990G

BOILER ball cock for loading/unloading water

| Code     | Type | Price € | Unit/Box |
|----------|------|---------|----------|
| 295 0001 | 1/2" |         | 25/100   |
| 295 0040 | 1/2" |         | 10/50    |

Version with metal strap

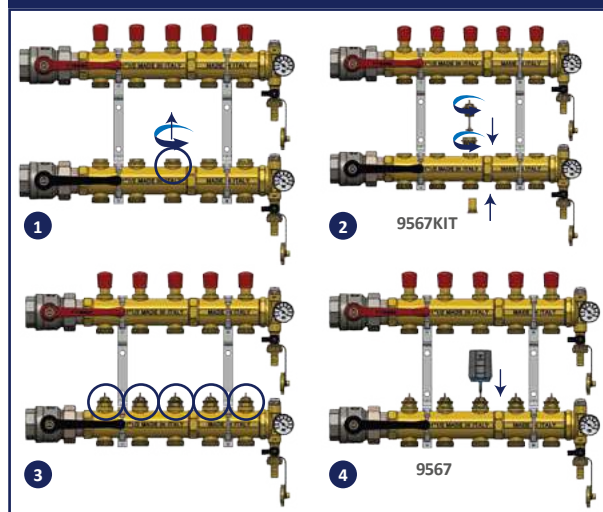


### 9567KIT

INDUSTRIAL FLOOR adapter for electrothermal servo control 9567

| Code     | Type | Price € | Unit/Box |
|----------|------|---------|----------|
| 179 0328 | -    |         | 1/100    |

## 9567-9567KIT ASSEMBLY INSTRUCTIONS



### 3874ISOL

Insulation shell for 1"1/2 distribution manifold

| Code     | Type   | Price € | Unit/Box |
|----------|--------|---------|----------|
| 557 0520 | 2 Ways |         | 1/5      |
| 557 0522 | 3 Ways |         | 1/5      |



## 1890ISOL

1"1/4 - 1"1/2 terminal group insulation shell and air vent valve

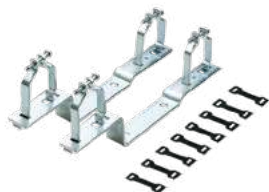
| Code     | Type          | Price € | Unit/Box |
|----------|---------------|---------|----------|
| 557 0516 | 1"1/4 - 1"1/2 |         | 1/10     |



## 2121CPISOL

Insulation shell for 1"1/2 ball valve

| Code     | Type  | Price € | Unit/Box |
|----------|-------|---------|----------|
| 557 0518 | 1"1/2 |         | 1/10     |

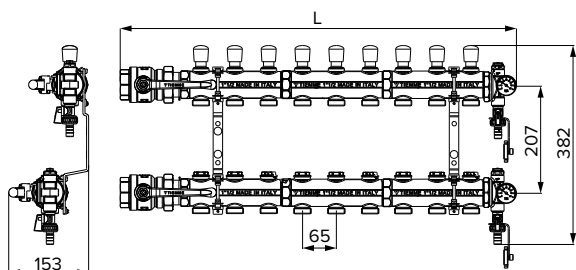


## 1865

Universal support for Forged manifolds INDUSTRIAL FLOOR

| Code     | Type  | Price € | Unit/Box |
|----------|-------|---------|----------|
| 181 0007 | 1"1/2 |         | 1/25     |

### DIMENSIONS



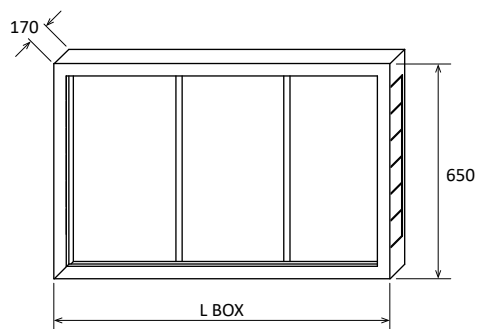
## 1941

External box for INDUSTRIAL FLOOR manifolds

| Code     | Type             | Price € | Unit/Box |
|----------|------------------|---------|----------|
| 181 0110 | 900 x 650 x 170  |         | 1/1      |
| 181 0111 | 1200 x 650 x 170 |         | 1/1      |

### 1941

#### DIMENSIONS



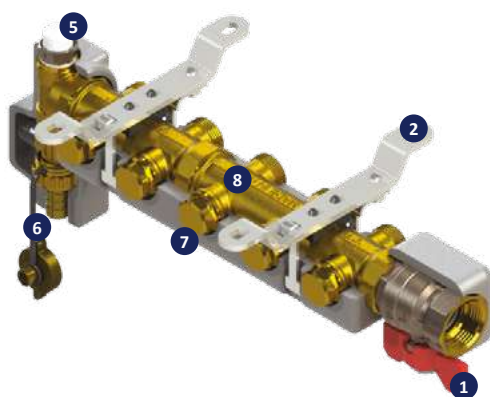
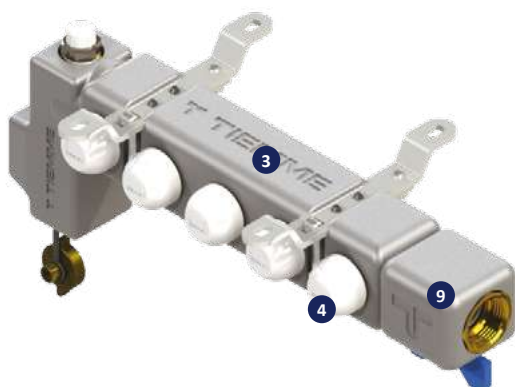
#### GUIDE TO THE CHOICE OF BOXES

MANIFOLD COMPATIBILITY: 3874

| Ways No. | L* (mm) | L BOX (mm) | Code     |
|----------|---------|------------|----------|
| 5        | 495     | 900        | 181 0110 |
| 6        | 560     |            |          |
| 7        | 625     |            |          |
| 8        | 690     |            |          |
| 9        | 755     |            |          |
| 10       | 820     | 1200       | 181 0111 |
| 11       | 885     |            |          |
| 12       | 950     |            |          |
| 13       | 1015    |            |          |
| 14       | 1080    |            |          |

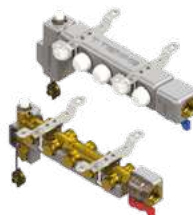
\* Manifold width





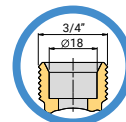
1. Full bore shut-off ball valve
2. Fixing brackets
3. Return manifold
4. Thermostatic manual shut-off valves (preset for regulation with electrothermal actuators) with protective cap
5. Manual vent valve
6. Loading and unloading valve
7. Screw valves with mechanical memory
8. Delivery manifold
9. Insulating shell

## PRODUCT RANGE



### 3878RS

1" distribution manifold with screw valves with mechanical memory and insulation shells.  
Ceiling-specific configuration and fixing systems



**i** Manifold for ceiling systems Tiemme CEILING

| Code     | Type | Ways | Price € | Unit/Box |
|----------|------|------|---------|----------|
| 557 0353 | 1"G  | 2    |         | 1/1      |
| 557 0354 | 1"G  | 3    |         | 1/1      |
| 557 0355 | 1"G  | 4    |         | 1/1      |
| 557 0356 | 1"G  | 5    |         | 1/1      |
| 557 0357 | 1"G  | 6    |         | 1/1      |
| 557 0358 | 1"G  | 7    |         | 1/1      |
| 557 0359 | 1"G  | 8    |         | 1/1      |
| 557 0360 | 1"G  | 9    |         | 1/1      |
| 557 0361 | 1"G  | 10   |         | 1/1      |
| 557 0362 | 1"G  | 11   |         | 1/1      |
| 557 0363 | 1"G  | 12   |         | 1/1      |

Pre-assembled mixing and distribution unit for radiant panel systems with fixed point regulation and offset manifolds.

The mixing and distribution unit art. 3868G is the simplest and most compact solution for the realization of a radiant panel heating system and combines perfectly with high temperature boilers. The thermostatic mixing unit mixes high temperature water with low temperature return water from radiant circuits. The temperature value of the thermal energy carrier fluid is maintained by a thermostatic actuator. Available with or without manifolds for high temperature terminals with 3/4" connections (Ø 18) Eurocono.

In full compliance with the European Directive 2009/125/CE (ErP) on energy saving, the unit comes with high efficiency pumps.

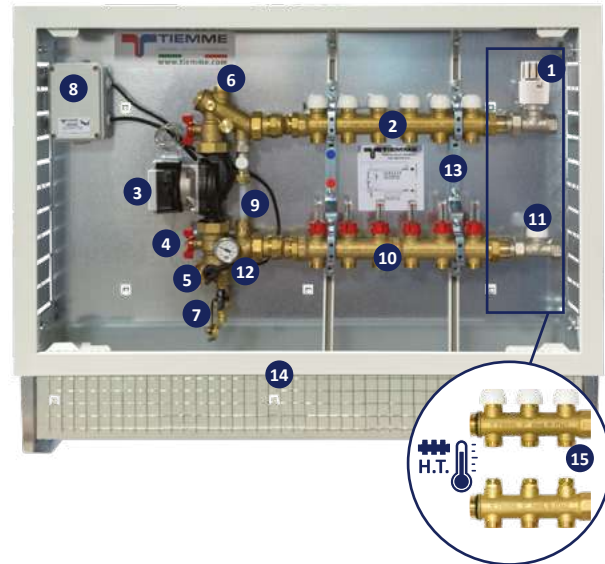
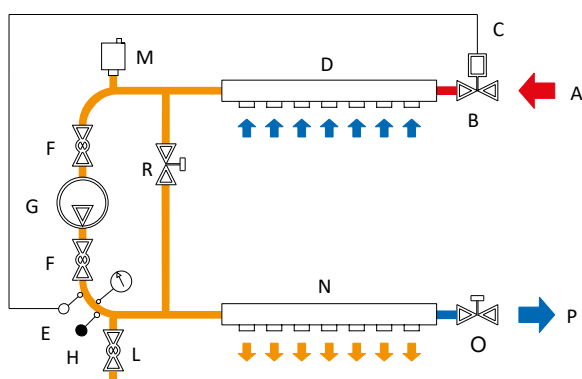
### PRINCIPLE OF OPERATION

The high temperature water from the boiler (A) is mixed via the thermostatic valve (B) with the water coming from the return circuits of the floor system obtaining the delivery temperature of the floor heating system set on the thermostatic head (C) and controlled by immersion probe (E).

The pump (G), cut from the ball valves (F), favouring the mixing of fluids, ensures the hydraulic head in the circuits of the radiant panel. If the pre-set value is exceeded (55 °C) the safety thermostat (H) switches the pump off electrically.

The water mixed at the desired temperature is directed to the supply manifold (N) of the floor system. The lockshield valve (O) allows the balancing of the system by regulating the passage of water from the return manifold (D) and directed to the boiler (P).

A by-pass (R) always guarantees a minimum flow rate, safeguarding the circulation pump and reducing any noise problems. The unit is completed by the system load/unload valve (L) and the vent valve (M).



1. Fixed point mixing kit with thermostatic regulation (20 ÷ 50 °C)
2. Delivery 1" manifold complete with flowmeters
3. High Efficiency Circulating Pump
4. Shut-off ball valves
5. Safety thermostat
6. Air vent valve
7. Loading and unloading valve
8. Kit for the electrical connections
9. By-pass
10. Return 1" manifold complete with thermostatic manual shut-off valves
11. Lockshield valve
12. Thermometers
13. Steel brackets
14. Steel box
15. High temperature manifold

### TECHNICAL CHARACTERISTICS

- Maximum fluid inlet temperature: 110 °C
- Maximum pressure: 10 bar
- Primary circuit connections: 3/4" F
- Distribution manifold material: Brass CW617N
- O-rings material: EPDM
- Adjustment range: 20 ÷ 50 °C
- Safety thermostat: preset 55 °C

### PUMP

- Model: Wilo PARA 25/7
- Connections: 1" 1/2
- Connections centre distance: 130 mm

### THERMOSTATIC HEAD

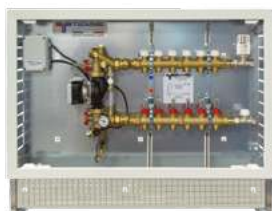
- Ferrule connection: M30 x 1,5
- Knob material: ABS

### DIMENSIONS

See table on page 123

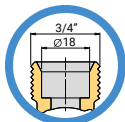
# 04<sub>B</sub> FIXED POINT MIXING AND DISTRIBUTION UNITS - 1"

3868G - 3868GHTPP2 - 3868GHTPP3

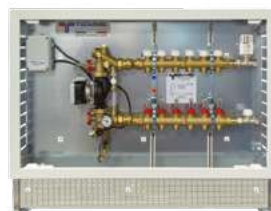


## 3868G

Mixing and distribution unit  
with fixed point regulation and  
by-pass

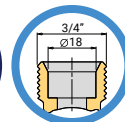


| Code     | Type | Ways | Price € | Unit/Box |
|----------|------|------|---------|----------|
| 391 0103 | 1"G  | 2    |         | 1/1      |
| 391 0110 | 1"G  | 3    |         | 1/1      |
| 391 0101 | 1"G  | 4    |         | 1/1      |
| 391 0098 | 1"G  | 5    |         | 1/1      |
| 391 0028 | 1"G  | 6    |         | 1/1      |
| 391 0077 | 1"G  | 7    |         | 1/1      |
| 391 0064 | 1"G  | 8    |         | 1/1      |
| 391 0111 | 1"G  | 9    |         | 1/1      |
| 391 0071 | 1"G  | 10   |         | 1/1      |
| 391 0059 | 1"G  | 11   |         | 1/1      |
| 391 0062 | 1"G  | 12   |         | 1/1      |

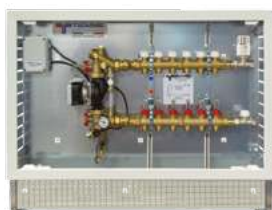


## 3868GHTPP3

Mixing and distribution unit  
with fixed point regulation ,  
by-pass and high temperature  
3-way kit

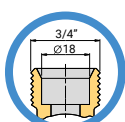


| Code     | Type | Ways | Price € | Unit/Box |
|----------|------|------|---------|----------|
| 391 0119 | 1"G  | 2    |         | 1/1      |
| 391 0120 | 1"G  | 3    |         | 1/1      |
| 391 0121 | 1"G  | 4    |         | 1/1      |
| 391 0122 | 1"G  | 5    |         | 1/1      |
| 391 0123 | 1"G  | 6    |         | 1/1      |
| 391 0124 | 1"G  | 7    |         | 1/1      |
| 391 0125 | 1"G  | 8    |         | 1/1      |
| 391 0126 | 1"G  | 9    |         | 1/1      |
| 391 0085 | 1"G  | 10   |         | 1/1      |
| 391 0127 | 1"G  | 11   |         | 1/1      |
| 391 0129 | 1"G  | 12   |         | 1/1      |



## 3868GHTPP2

Mixing and distribution unit  
with fixed point regulation ,  
by-pass and high temperature  
2-way kit



| Code     | Type | Ways | Price € | Unit/Box |
|----------|------|------|---------|----------|
| 391 0118 | 1"G  | 2    |         | 1/1      |
| 391 0097 | 1"G  | 3    |         | 1/1      |
| 391 0074 | 1"G  | 4    |         | 1/1      |
| 391 0036 | 1"G  | 5    |         | 1/1      |
| 391 0047 | 1"G  | 6    |         | 1/1      |
| 391 0029 | 1"G  | 7    |         | 1/1      |
| 391 0058 | 1"G  | 8    |         | 1/1      |
| 391 0052 | 1"G  | 9    |         | 1/1      |
| 391 0051 | 1"G  | 10   |         | 1/1      |
| 391 0061 | 1"G  | 11   |         | 1/1      |
| 391 0128 | 1"G  | 12   |         | 1/1      |

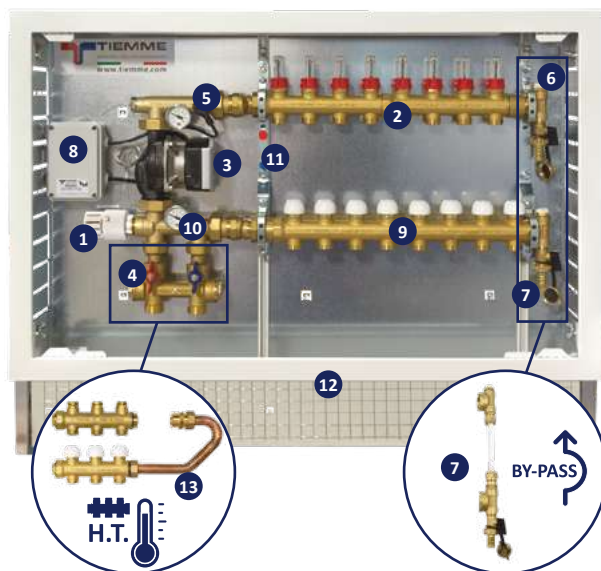
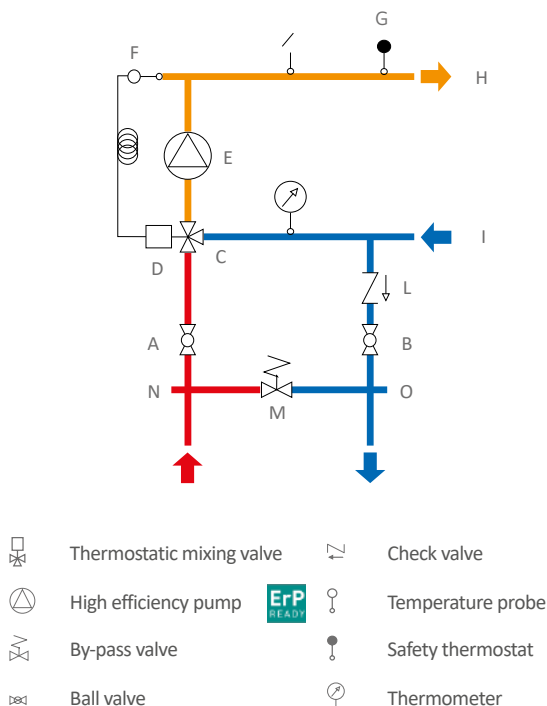
Pre-assembled mixing and distribution unit for radiant panel systems with fixed point regulation and offset manifolds. The mixing and distribution unit art. 3896PF is the solution traditionally based on a 3-way mixing valve that mixes the high temperature water from the boiler with the return water from the radiant system. The discharge temperature is set on the thermostatic head mounted on the same 3-way valve. Available with or without manifolds for high temperature terminals with 3/4" connections (Ø 18) Eurocono. In full compliance with the European Directive 2009/125/CE (ErP) on energy saving, the unit comes with high efficiency pumps.

### PRINCIPLE OF OPERATION

The high temperature water from the boiler passes through the ball valve (A) and is mixed in the 3-way valve (C) with part of the water coming from the return manifold (I) of the floor system.

The temperature of the secondary circuit is maintained at the pre-set value by the thermostatic head (D) based on the temperature detected by the bulb temperature probe (F). The pump (E), favouring the mixing of fluids, ensures the hydraulic head in the circuits of the radiant panel.

The safety thermostat (G) intervenes electrically on the pump by turning it off if the preset value is exceeded (55 °C). The water mixed at the desired temperature is directed to the delivery (H) of the floor system. Low temperature water returning from panels (I) partly enters the valve (C) by mixing with water from the boiler and partly returns to the boiler via the ball valve (B). The check valve (L) prevents any high temperature water entering the radiant circuits. The bypass valve (M) allows the balancing of the system, always ensuring a minimum flow of the primary. High temperature circuits (heated towel rail) are fed through the points (O) and (N).



1. Fixed point mixing kit with thermostatic regulation (20 ÷ 50 °C)
2. Delivery 1" manifold complete with flowmeters
3. High Efficiency Circulating Pump
4. Shut-off ball valves
5. Safety thermostat
6. Air vent valve
7. Loading and unloading valve / Differential By-Pass
8. Kit for the electrical connections
9. Return 1" manifold complete with thermostatic manual shut-off valves
10. Thermometers
11. Steel brackets
12. Steel box
13. High temperature manifold

### TECHNICAL CHARACTERISTICS

- Maximum fluid inlet temperature: 110 °C
- Maximum pressure: 10 bar
- Primary circuit connections: 1" M
- Distribution manifold material: Brass CW617N
- O-rings material: EPDM
- Adjustment range: 20 ÷ 50 °C
- Safety thermostat: preset 55 °C

### PUMP

- Model: Wilo PARA 25/7
- Connections: 1" 1/2
- Connections centre distance: 130 mm

### THERMOSTATIC HEAD

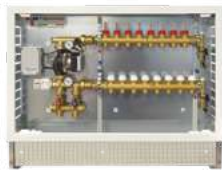
- Ferrule connection: M30 x 1,5
- Knob material: ABS

### DIMENSIONS

See table on page 123

# 04<sub>B</sub> FIXED POINT MIXING AND DISTRIBUTION UNITS - 1"

3896PF - 3896PFBYD - 3896PFHT - 3896PFHTBYD



## 3896PF

Mixing and distribution unit  
with fixed point regulation

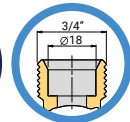


| Code     | Type | Ways | Price € | Unit/Box |
|----------|------|------|---------|----------|
| 390 0444 | 1"G  | 2    |         | 1/1      |
| 390 0445 | 1"G  | 3    |         | 1/1      |
| 390 0446 | 1"G  | 4    |         | 1/1      |
| 390 0447 | 1"G  | 5    |         | 1/1      |
| 390 0448 | 1"G  | 6    |         | 1/1      |
| 390 0449 | 1"G  | 7    |         | 1/1      |
| 390 0450 | 1"G  | 8    |         | 1/1      |
| 390 0451 | 1"G  | 9    |         | 1/1      |
| 390 0452 | 1"G  | 10   |         | 1/1      |
| 390 0453 | 1"G  | 11   |         | 1/1      |
| 390 0454 | 1"G  | 12   |         | 1/1      |

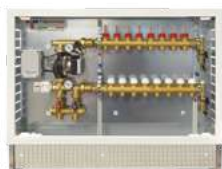


## 3896PFHT

Mixing and distribution unit  
with fixed point regulation and  
high temperature kit

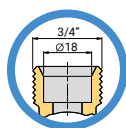


| Code     | Type | Ways | Price € | Unit/Box |
|----------|------|------|---------|----------|
| 390 0488 | 1"G  | 2    |         | 1/1      |
| 390 0489 | 1"G  | 3    |         | 1/1      |
| 390 0490 | 1"G  | 4    |         | 1/1      |
| 390 0491 | 1"G  | 5    |         | 1/1      |
| 390 0492 | 1"G  | 6    |         | 1/1      |
| 390 0493 | 1"G  | 7    |         | 1/1      |
| 390 0494 | 1"G  | 8    |         | 1/1      |
| 390 0495 | 1"G  | 9    |         | 1/1      |
| 390 0496 | 1"G  | 10   |         | 1/1      |
| 390 0497 | 1"G  | 11   |         | 1/1      |
| 390 0498 | 1"G  | 12   |         | 1/1      |



## 3896PFBYD

Mixing and distribution unit  
with fixed point regulation and  
differential by-pass



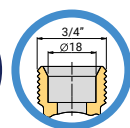
 With Differential By-Pass

| Code     | Type | Ways | Price € | Unit/Box |
|----------|------|------|---------|----------|
| 390 0466 | 1"G  | 2    |         | 1/1      |
| 390 0467 | 1"G  | 3    |         | 1/1      |
| 390 0468 | 1"G  | 4    |         | 1/1      |
| 390 0469 | 1"G  | 5    |         | 1/1      |
| 390 0470 | 1"G  | 6    |         | 1/1      |
| 390 0471 | 1"G  | 7    |         | 1/1      |
| 390 0472 | 1"G  | 8    |         | 1/1      |
| 390 0473 | 1"G  | 9    |         | 1/1      |
| 390 0474 | 1"G  | 10   |         | 1/1      |
| 390 0475 | 1"G  | 11   |         | 1/1      |
| 390 0476 | 1"G  | 12   |         | 1/1      |



## 3896PFHTBYD

Mixing and distribution unit  
with fixed point regulation,  
differential by-pass and high  
temperature kit



 With Differential By-Pass

| Code     | Type | Ways | Price € | Unit/Box |
|----------|------|------|---------|----------|
| 390 0510 | 1"G  | 2    |         | 1/1      |
| 390 0511 | 1"G  | 3    |         | 1/1      |
| 390 0512 | 1"G  | 4    |         | 1/1      |
| 390 0513 | 1"G  | 5    |         | 1/1      |
| 390 0514 | 1"G  | 6    |         | 1/1      |
| 390 0515 | 1"G  | 7    |         | 1/1      |
| 390 0516 | 1"G  | 8    |         | 1/1      |
| 390 0517 | 1"G  | 9    |         | 1/1      |
| 390 0518 | 1"G  | 10   |         | 1/1      |
| 390 0519 | 1"G  | 11   |         | 1/1      |
| 390 0520 | 1"G  | 12   |         | 1/1      |

Mixing and distribution unit with climate control for heating and/or cooling systems with radiant panels.

Through the climate controlled mixing unit, the water from the calories/frigories generator is mixed with the return water from the radiant circuits and kept constant at the desired value by a 0 ÷ 10 V servo motor operated by a control unit.

Available with or without manifolds for high temperature terminals with 3/4" connections (Ø 18) Eurocono.

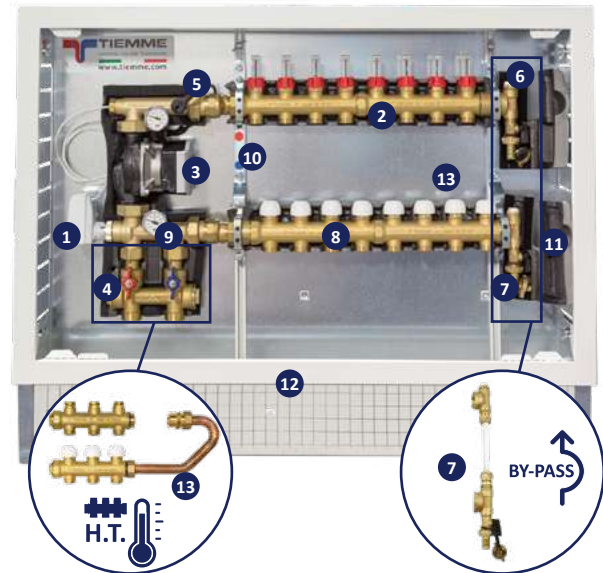
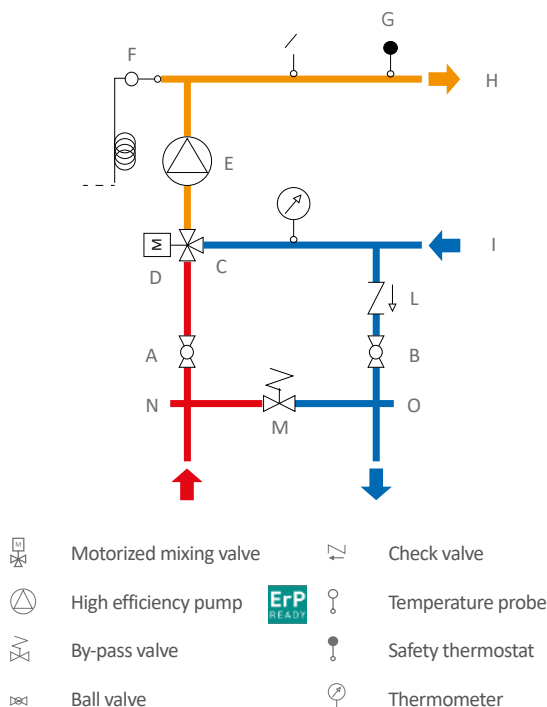
In full compliance with the European Directive 2009/125/CE (ErP) on energy saving, the unit comes with high efficiency pumps.

## PRINCIPLE OF OPERATION

The high temperature water from the boiler passes through the ball valve (A) and is mixed in the 3-way valve (C) with part of the water coming from the return manifold (I) of the floor system.

The temperature of the secondary circuit is maintained at the pre-set value by a 0 ÷ 10 V (D) servo motor operated by an optional control unit, based on the temperature detected by the NTC temperature probe (F). The pump (E), favouring the mixing of fluids, ensures the hydraulic head in the circuits of the radiant panel.

The safety thermostat (G) intervenes electrically on the pump by turning it off if the preset value is exceeded (55 °C). The water mixed at the desired temperature is directed to the delivery (H) of the floor system. Low temperature water returning from panels (I) partly enters the valve (C) by mixing with water from the boiler and partly returns to the boiler via the ball valve (B). The check valve (L) prevents any high temperature water entering the radiant circuits. The bypass valve (M) allows the balancing of the system, always ensuring a minimum flow of the primary. High temperature circuits (heated towel rails) are fed through the points (O) and (N).



1. Mixing kit for climate regulation (servo control 0 ÷ 10 V and NTC probe)
2. Delivery 1" manifold complete with flowmeters or Screw valves with mechanical memory
3. High Efficiency Circulating Pump
4. Shut-off ball valves
5. Safety thermostat
6. Air vent valve
7. Loading and unloading valve / Differential By-Pass
8. Return 1" manifold complete with thermostatic manual shut-off valves
9. Thermometers
10. Steel brackets
11. Insulating shell
12. Steel box
13. High temperature manifold

## TECHNICAL CHARACTERISTICS

- Maximum fluid inlet temperature: 110 °C
- Maximum pressure: 10 bar
- Primary circuit connections: 1" M
- Distribution manifold material: Brass CW617N
- O-rings material: EPDM
- Adjustment range: 7 ÷ 50 °C
- Safety thermostat: preset 55 °C

## PUMP

- Model: Wilo PARA 25/7
- Connections: 1" 1/2
- Connections centre distance: 130 mm

## DIMENSIONS

See table on page 123



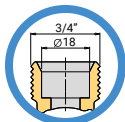
# 04<sub>B</sub> CLIMATE CONTROL MIXING AND DISTRIBUTION UNITS - 1"

3896CL - 3896CLBYD - 3896CLHT - 3896CLHTBYD



## 3896CL

Mixing and distribution unit with climate control

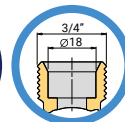


| Code     | Type | Ways | Price € | Unit/Box |
|----------|------|------|---------|----------|
| 390 0532 | 1"G  | 2    |         | 1/1      |
| 390 0533 | 1"G  | 3    |         | 1/1      |
| 390 0534 | 1"G  | 4    |         | 1/1      |
| 390 0535 | 1"G  | 5    |         | 1/1      |
| 390 0536 | 1"G  | 6    |         | 1/1      |
| 390 0537 | 1"G  | 7    |         | 1/1      |
| 390 0538 | 1"G  | 8    |         | 1/1      |
| 390 0539 | 1"G  | 9    |         | 1/1      |
| 390 0540 | 1"G  | 10   |         | 1/1      |
| 390 0541 | 1"G  | 11   |         | 1/1      |
| 390 0542 | 1"G  | 12   |         | 1/1      |



## 3896CLHT

Mixing and distribution unit with climate control and high temperature kit

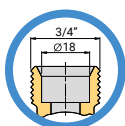


| Code     | Type | Ways | Price € | Unit/Box |
|----------|------|------|---------|----------|
| 390 0576 | 1"G  | 2    |         | 1/1      |
| 390 0577 | 1"G  | 3    |         | 1/1      |
| 390 0578 | 1"G  | 4    |         | 1/1      |
| 390 0579 | 1"G  | 5    |         | 1/1      |
| 390 0580 | 1"G  | 6    |         | 1/1      |
| 390 0581 | 1"G  | 7    |         | 1/1      |
| 390 0582 | 1"G  | 8    |         | 1/1      |
| 390 0583 | 1"G  | 9    |         | 1/1      |
| 390 0584 | 1"G  | 10   |         | 1/1      |
| 390 0585 | 1"G  | 11   |         | 1/1      |
| 390 0586 | 1"G  | 12   |         | 1/1      |



## 3896CLBYD

Mixing and distribution unit with climate control and differential by-pass



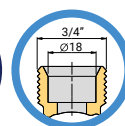
With Differential By-Pass

| Code     | Type | Ways | Price € | Unit/Box |
|----------|------|------|---------|----------|
| 390 0554 | 1"G  | 2    |         | 1/1      |
| 390 0555 | 1"G  | 3    |         | 1/1      |
| 390 0556 | 1"G  | 4    |         | 1/1      |
| 390 0557 | 1"G  | 5    |         | 1/1      |
| 390 0558 | 1"G  | 6    |         | 1/1      |
| 390 0559 | 1"G  | 7    |         | 1/1      |
| 390 0560 | 1"G  | 8    |         | 1/1      |
| 390 0561 | 1"G  | 9    |         | 1/1      |
| 390 0562 | 1"G  | 10   |         | 1/1      |
| 390 0563 | 1"G  | 11   |         | 1/1      |
| 390 0564 | 1"G  | 12   |         | 1/1      |



## 3896CLHTBYD

Mixing and distribution unit with climate control, differential By-Pass and high temperature kit



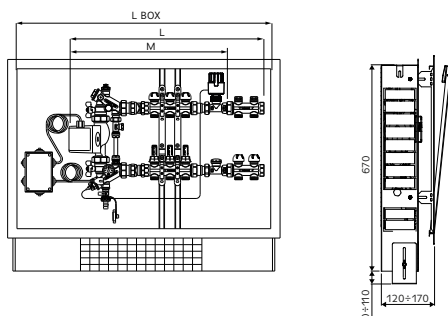
With Differential By-Pass

| Code     | Type | Ways | Price € | Unit/Box |
|----------|------|------|---------|----------|
| 390 0598 | 1"G  | 2    |         | 1/1      |
| 390 0599 | 1"G  | 3    |         | 1/1      |
| 390 0600 | 1"G  | 4    |         | 1/1      |
| 390 0601 | 1"G  | 5    |         | 1/1      |
| 390 0602 | 1"G  | 6    |         | 1/1      |
| 390 0603 | 1"G  | 7    |         | 1/1      |
| 390 0604 | 1"G  | 8    |         | 1/1      |
| 390 0605 | 1"G  | 9    |         | 1/1      |
| 390 0606 | 1"G  | 10   |         | 1/1      |
| 390 0607 | 1"G  | 11   |         | 1/1      |
| 390 0608 | 1"G  | 12   |         | 1/1      |



## 3868G - 3868GHTPP2 3868GHTPP3

### DIMENSIONS



#### INGOMBRO KIT COLLETTORE - 3868G

| Ways No.   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9    | 10  | 11   | 12  |
|------------|-----|-----|-----|-----|-----|-----|-----|------|-----|------|-----|
| M (mm)     | 460 | 510 | 560 | 610 | 660 | 710 | 760 | 810  | 860 | 910  | 960 |
| L BOX (mm) | 600 |     | 700 |     | 850 |     |     | 1000 |     | 1200 |     |

#### INGOMBRO KIT CON HIGH TEMPERATURE MANIFOLD 2 WAYS - 3868GHTPP2

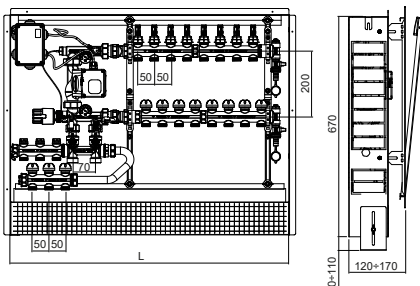
| Ways No.   | 2   | 3   | 4   | 5   | 6   | 7    | 8   | 9   | 10   | 11   | 12   |
|------------|-----|-----|-----|-----|-----|------|-----|-----|------|------|------|
| M (mm)     | 580 | 630 | 680 | 730 | 780 | 830  | 880 | 930 | 980  | 1030 | 1080 |
| L BOX (mm) | 700 |     | 850 |     |     | 1000 |     |     | 1200 |      |      |

#### INGOMBRO KIT CON HIGH TEMPERATURE MANIFOLD 3 WAYS - 3868GHTPP3

| Ways No.   | 2   | 3   | 4   | 5   | 6    | 7   | 8   | 9    | 10   | 11   | 12   |
|------------|-----|-----|-----|-----|------|-----|-----|------|------|------|------|
| M (mm)     | 630 | 680 | 730 | 780 | 830  | 880 | 930 | 980  | 1030 | 1080 | 1130 |
| L BOX (mm) | 700 | 850 |     |     | 1000 |     |     | 1200 |      |      |      |

## 3896PF - 3896PFBYD 3896PFHT - 3896PFHTBYD

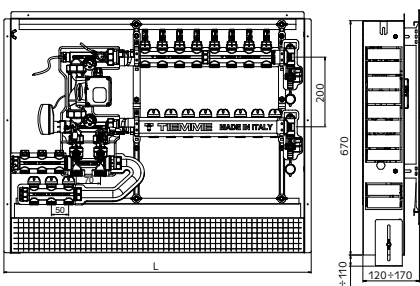
### DIMENSIONS



| Ways No. | 2   | 3   | 4   | 5    | 6    | 7 | 8 | 9 | 10 | 11 | 12 |
|----------|-----|-----|-----|------|------|---|---|---|----|----|----|
| L (mm)   | 600 | 700 | 850 | 1000 | 1200 |   |   |   |    |    |    |

## 3896CL - 3896CLBYD 3896CLHT - 3896CLHTBYD

### DIMENSIONS

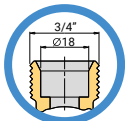


| Ways No. | 2   | 3   | 4   | 5    | 6    | 7 | 8 | 9 | 10 | 11 | 12 |
|----------|-----|-----|-----|------|------|---|---|---|----|----|----|
| L (mm)   | 600 | 700 | 850 | 1000 | 1200 |   |   |   |    |    |    |



## 1436N

Nickel-plated adapter for bodies with 3/4"x18 connection (EUROCONO) for PEX tube

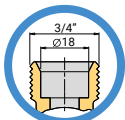


| Code     | Type                  | Price € | Unit/Box |
|----------|-----------------------|---------|----------|
| 144 0011 | 16 x 2,0 - 3/4" (ø18) |         | 10/250   |
| 144 0012 | 17 x 2,0 - 3/4" (ø18) |         | 10/200   |
| 144 0019 | 20 x 2,0 - 3/4" (ø18) |         | 10/200   |



## 1636N

Nickel-plated adapter for bodies with 3/4"x18 connection (EUROCONO) for multilayer pipe



| Code     | Type                  | Price € | Unit/Box |
|----------|-----------------------|---------|----------|
| 144 0002 | 16 x 2,0 - 3/4" (ø18) |         | 10/250   |
| 144 0003 | 20 x 2,0 - 3/4" (ø18) |         | 10/200   |



## 9567

Electrothermal servo control with stroke indication

### TECHNICAL CHARACTERISTICS

- Operating temperature: 24-230 Vac, 50/60 Hz
- Operating power: 1 W
- Switch-on current: max 550 mA for max 100 ms
- Stroke: 4 mm
- Class of protection: II
- Degree of protection: IP 54
- Ambient temperature: 0°C ÷ 60°C
- Storage temperature: -25°C ÷ 60°C

**i** Valve position normally closed in the absence of voltage

**+** Equipped with "FIRST OPENING" function: it allows to facilitate the first installation operations on the manifold. For more details see the data sheet.

| Code     | Type | Price € | Unit/Box |
|----------|------|---------|----------|
| 450 0026 | 24V  |         | 1/20     |
| 450 0012 | 230V |         | 1/20     |
| 450 0045 | 24V  |         | 1/20     |
| 450 0006 | 230V |         | 1/20     |

Version with auxiliary micro switch



## 9568

Electrothermal servo control with stroke indication (per valvole termostattabili e collettore in poliammide art. 3872POL - 3871PMON)

### TECHNICAL CHARACTERISTICS

- Operating temperature: 24-230 Vac, 50/60 Hz
- Operating power: 1 W
- Switch-on current: max 550 mA for max 100 ms
- Stroke: 4 mm
- Class of protection: II
- Degree of protection: IP 54
- Ambient temperature: 0°C ÷ 60°C
- Storage temperature: -25°C ÷ 60°C

**i** **COMBINE WITH MANIFOLD 3872POL AND 3871PMON**

**i** Valve position normally closed in the absence of voltage

**+** Equipped with "FIRST OPENING" function: it allows to facilitate the first installation operations on the manifold. For more details see the data sheet.

| Code     | Type | Price € | Unit/Box |
|----------|------|---------|----------|
| 450 0543 | 24V  |         | 1/20     |
| 450 0539 | 230V |         | 1/20     |
| 450 0545 | 24V  |         | 1/20     |
| 450 0541 | 230V |         | 1/20     |

Version with auxiliary micro switch



## 9561KIT01

Thermostatic head with remote probe and well with 1/2" connection. Adjustment range 20-50 °C

| Code     | Type    | Price € | Unit/Box |
|----------|---------|---------|----------|
| 450 0032 | 20-50°C |         | 1/10     |



## 2075KIT02

Electrical connection kit for mixing unit, circulation pump management, auxiliary boiler contact or zone valve, inlet for room thermostat and safety thermostat

- Removable terminal block to facilitate the work of the installer
- Supplied complete with cables for connection of circulation pump and safety thermostat

| Code     | Type              | Price € | Unit/Box |
|----------|-------------------|---------|----------|
| 450 0063 | 120 x 80 x H60 mm |         | 1/1      |



## 3895KPF

Kit for adjustable fixed point regulation 20 ÷ 50 °C



### DESCRIPTION

- Thermostatic head with outer bulb and adjustment range 20 ÷ 50 °C
- Bulb probe holding well
- Electrical connection box (pump and safety thermostat)

| Code     | Type | Price € | Unit/Box |
|----------|------|---------|----------|
| 450 0376 | -    |         | 1/1      |



## 3895KCL

Kit for heating and cooling



### DESCRIPTION

- Servo control 0÷10V NC powered to 24V
- Ø 6 dry mounting probe holding well
- Safety thermostat connection cable
- Temperature probe NTC 10K@25 °C, diameter 6 mm

| Code     | Type | Price € | Unit/Box |
|----------|------|---------|----------|
| 450 0377 | -    |         | 1/1      |



## 2075KIT01

Bimetallic countertoped safety thermostat with M4 fixing screw. Inside temperature 55 °C. Contact range (normally closed) 10A 250vac. Supplied with connection cable.

| Code     | Type | Price € | Unit/Box |
|----------|------|---------|----------|
| 450 0051 | 55°C |         | 1/50     |



## 3887

Multifunctional ball valve for mixing and distribution unit

| Code     | Type | Price € | Unit/Box |
|----------|------|---------|----------|
| 450 0050 | 1"   |         | 2/6      |



## 3890BV

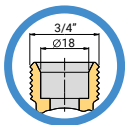
Kit with shut-off valves, by-passes and connections for high temperature distribution

| Code     | Type | Price € | Unit/Box |
|----------|------|---------|----------|
| 450 0082 | 1"   |         | 1/10     |



## 3895KHT

Kit for high temperature distribution



### DESCRIPTION

- 1" 3 ways distribution brass manifolds with connections 3/4"x18 Eurocono and thermostatic screw valves
- 1" 3-way brass distribution manifolds with 3/4"x18 Eurocono connections and mechanical memory screw valves
- Connection fittings

| Code     | Type      | Price € | Unit/Box |
|----------|-----------|---------|----------|
| 450 0378 | 1" 3 Ways |         | 1/2      |



## 3890PW2

High efficiency circulation pump Wilo PARA 25/7 wheelbase 130 mm. Connection 1"1/2

### + HIGH EFFICIENCY PUMP

| Code     | Type           | Price € | Unit/Box |
|----------|----------------|---------|----------|
| 450 0358 | Wilo PARA 25/7 |         | 1/1      |



## 3889

1"1/2 pump connection with ball valve and 1" female connection

| Code     | Type | Pump connection | Price € | Unit/Box |
|----------|------|-----------------|---------|----------|
| 450 0031 | 1"   | 1"1/2           |         | 2/40     |



## 3888

1"1/2 pump connection with ball valve and copper pipe connection

| Code     | Type | Pump connection | Price € | Unit/Box |
|----------|------|-----------------|---------|----------|
| 450 0041 | 22   | 1"1/2           |         | 1/50     |
| 450 0044 | 28   | 1"1/2           |         | 1/50     |



## 1555SET

Brass male pump connection kit with flat seat

**i** Kit includes: 2 tangs, 2 rotating nuts, 2 gaskets

| Code     | Type  | Pump connection | Price € | Unit/Box |
|----------|-------|-----------------|---------|----------|
| 150 0825 | 1/2"  | 3/4"            |         | 1/50     |
| 150 0826 | 3/4"  | 1"              |         | 1/50     |
| 150 0827 | 1"    | 1"1/4           |         | 1/25     |
| 150 0578 | 1"1/4 | 1"1/2           |         | 1/20     |



## 1557SET

Brass female pump connection kit with flat seat

**i** Kit includes: 2 tangs, 2 rotating nuts, 2 gaskets

| Code     | Type  | Pump connection | Price € | Unit/Box |
|----------|-------|-----------------|---------|----------|
| 150 0906 | 1/2"  | 1"              |         | 1/50     |
| 150 0839 | 3/4"  | 1"1/4           |         | 1/25     |
| 150 0355 | 1"    | 1"1/2           |         | 1/20     |
| 150 0440 | 1"1/4 | 2"              |         | 1/10     |



## H9709

FLOOR flowmeter for distribution manifold in Forged brass

| Code     | Type | Price € | Unit/Box |
|----------|------|---------|----------|
| 040 0196 | -    |         | 5/100    |



## H9708

Thermostatic screw valve for FLOOR Forged brass distribution manifold

| Code     | Type | Price € | Unit/Box |
|----------|------|---------|----------|
| 040 0241 | -    |         | 10/50    |



## 2070

Ø 40 thermometer post connection L=30 mm scale 0 ÷ 80 °C

| Code     | Type | Price € | Unit/Box |
|----------|------|---------|----------|
| 179 0006 | -    |         | 10/50    |



## 3352

Manual vent valve with screwdriver cut

| Code     | Type | Price € | Unit/Box |
|----------|------|---------|----------|
| 198 0018 | 1/2" |         | 10/500   |



## 2990G

BOILER ball cock for loading/unloading water

| Code     | Type | Price € | Unit/Box |
|----------|------|---------|----------|
| 295 0001 | 1/2" |         | 25/100   |
| 295 0040 | 1/2" |         | 10/50    |

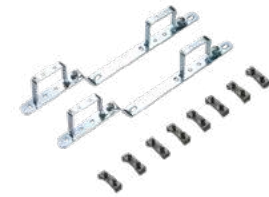
Version with metal strap



## 3049SKIT

Mounting kit for "FLOOR" Forged manifolds

| Code     | Type | Price € | Unit/Box |
|----------|------|---------|----------|
| 385 0063 | 1"   |         | 1/5      |



## 1863

"FLOOR" Forged manifold holder for box 1931-1939-1940

| Code     | Type  | Price € | Unit/Box |
|----------|-------|---------|----------|
| 181 0032 | 1"    |         | 1/25     |
| 181 0203 | 1"1/4 |         | 1/25     |

New code



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