



ZONE SYSTEMS KIT

**Hydraulic separators for management
of mixed or direct zones**

1

Great installation flexibility

- Thanks to wall-hung or built-in (only 19 mm deep) installation
- Thanks to the 10 different pump heads settable on each pump
- Thanks to the new management electronics allowing:
 - hourly programming for each zone
 - climatic thermoregulation with external probe

2

Great energy efficiency

- Thanks to the new pumps with fully electronic modulation (ErP ready)



Main features

- High efficiency pumps with fully electronic modulation (ERP ready)
- Flexible installation thanks to the 10 different pump heads settable on each pump
- Hourly programming for each zone
- Climatic thermoregulation with external probe
- Electric protection IPX5D
- To be used when the system needs high flowrates
- Wide display
- Easiness and versatility: wall-hung or built-in installation
- The kit includes:
 - Hydraulic balancer
 - Electronic controller
 - Modulating pumps
 - Encasing box

Model	Code	W x H x D (mm)
1 direct zone kit	401100003	450 x 700 x 190
2 direct zones kit	401100004	
3 direct zones kit	401100005	

*Zones can be all HT (high temperature) or all LW (low temperature).

1

Great installation flexibility

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- Thanks to the 10 different pump heads settable on each pump
- Thanks to the new management electronics allowing:
 - hourly programming for each zone
 - climatic thermoregulation with external probe
 - dynamic management of boiler flow temperatures

2

Great energy efficiency

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A



Main features

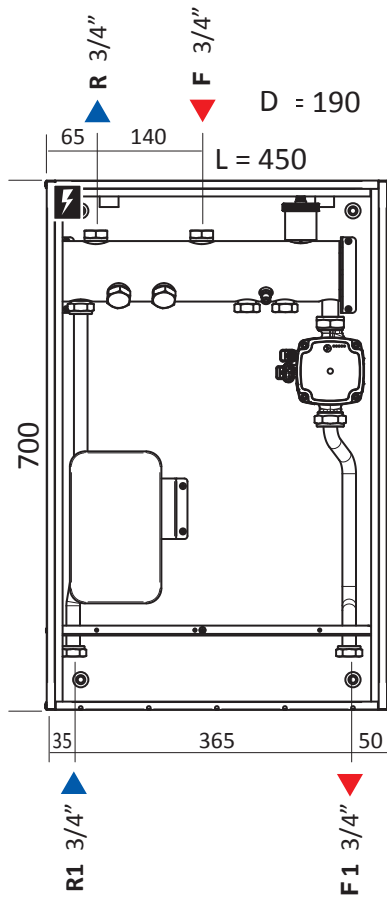
- High efficiency pumps with fully electronic modulation (ERP ready)
- Flexible installation thanks to the 10 different pump heads settable on each pump
- Hourly programming for each zone
- Dynamic management of boiler flow temperatures
- Climatic thermoregulation with external probe
- Electric protection IPX5D
- To be used when the system needs high flowrates
- Easiness and versatility: wall-hung or built-in installation
- Wide display
- The kit includes:
 - Hydraulic balancer
 - Electronic controller
 - Modulating pumps
 - motorized mixing valve for each mixed zone
 - Encasing box

Model	Code	W x H x D (mm)
1 zone HT - 1 zone LT kit	401100006	450 x 700 x 190
1 zone HT - 2 zones LT kit	401100007	

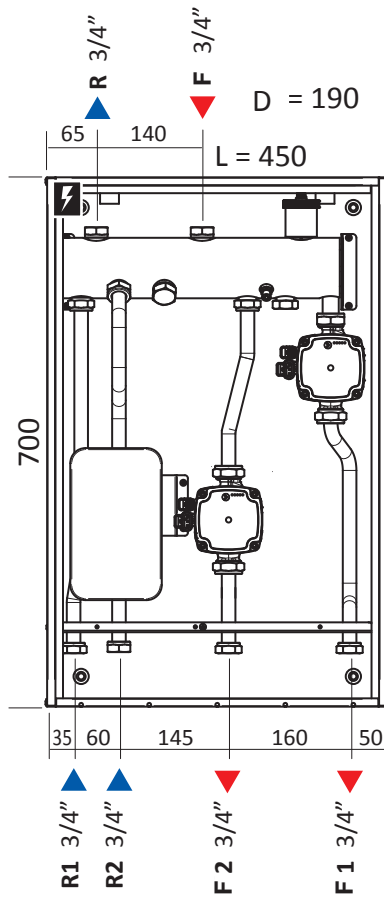
Legend: HT = High temperature • LT = Low temperature

Direct zones

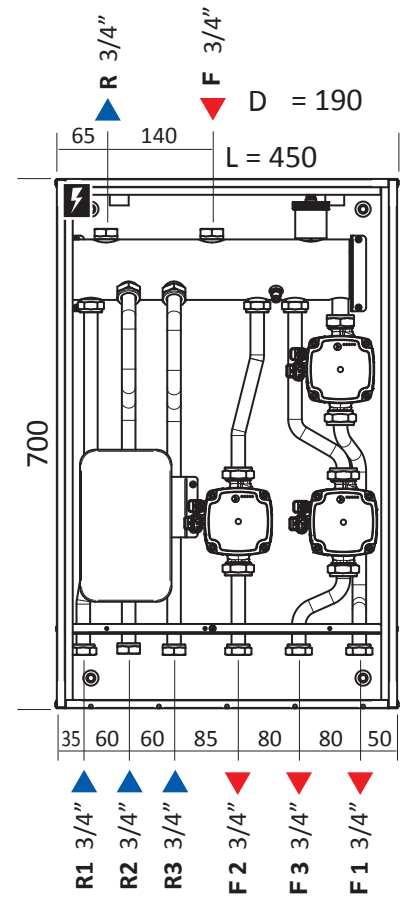
1 zone



2 zones



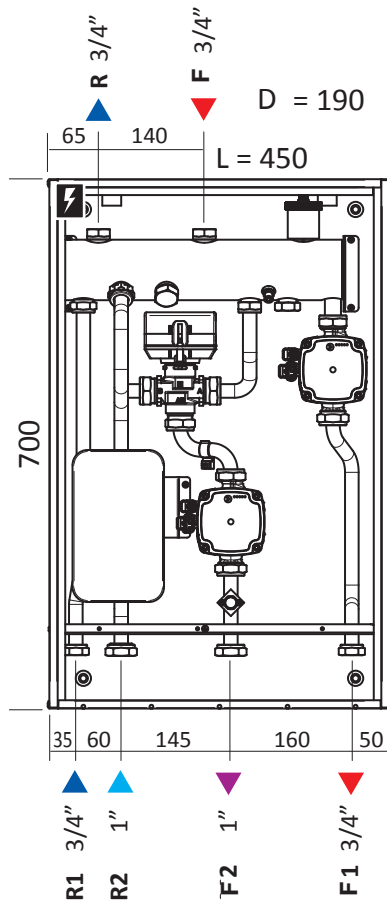
3 zones



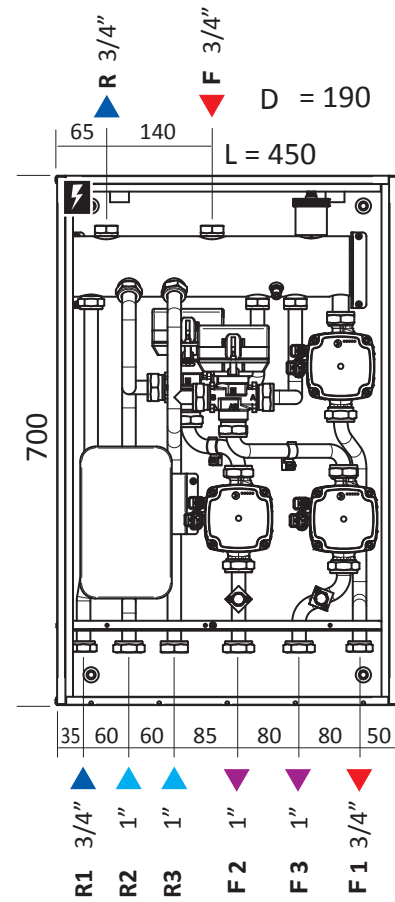
- F** CH Flow - 3/4"
- R** CH Return - 3/4"
- F1** CH Flow direct zone 1 - 3/4"
- F2** CH Flow direct zone 2 - 3/4"
- F3** CH Flow direct zone 3 - 3/4"
- R1** CH Return direct zone 1 - 3/4"
- R2** CH Return direct zone 2 - 3/4"
- R3** CH Return direct zone 3 - 3/4"

Mixed zones

1 zone HT - 1 zone LT



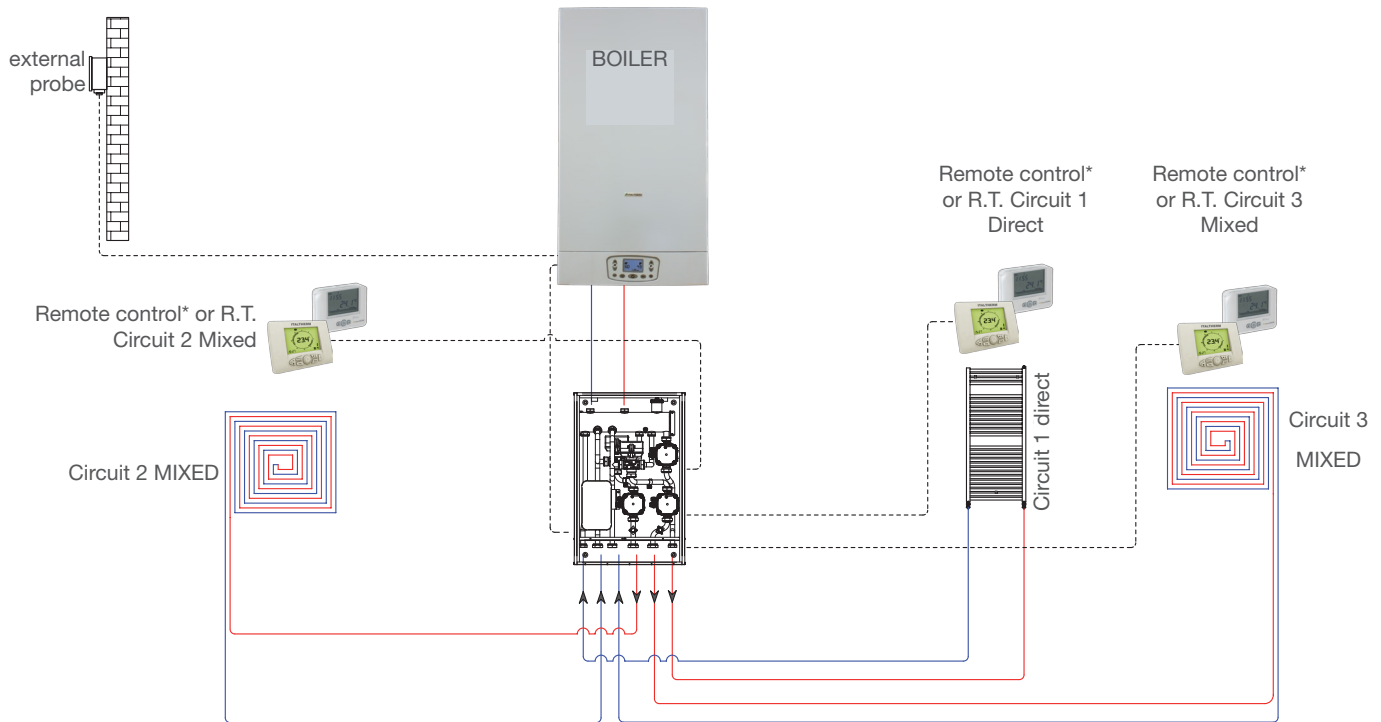
1 zone HT - 2 zones LT



- F** CH Flow - 3/4"
- R** CH Return - 3/4"
- F1** CH Flow direct zone 1 / not mixed - 3/4"
- R1** CH Return direct zone 1 / not mixed - 3/4"
- F2** CH Flow zone 2 LT, mixed - 1"
- F3** CH Flow zone 3 LT, mixed - 1"
- R2** CH Return zone 2 LT, mixed - 1"
- R3** CH Return zone 3 LT, mixed - 1"

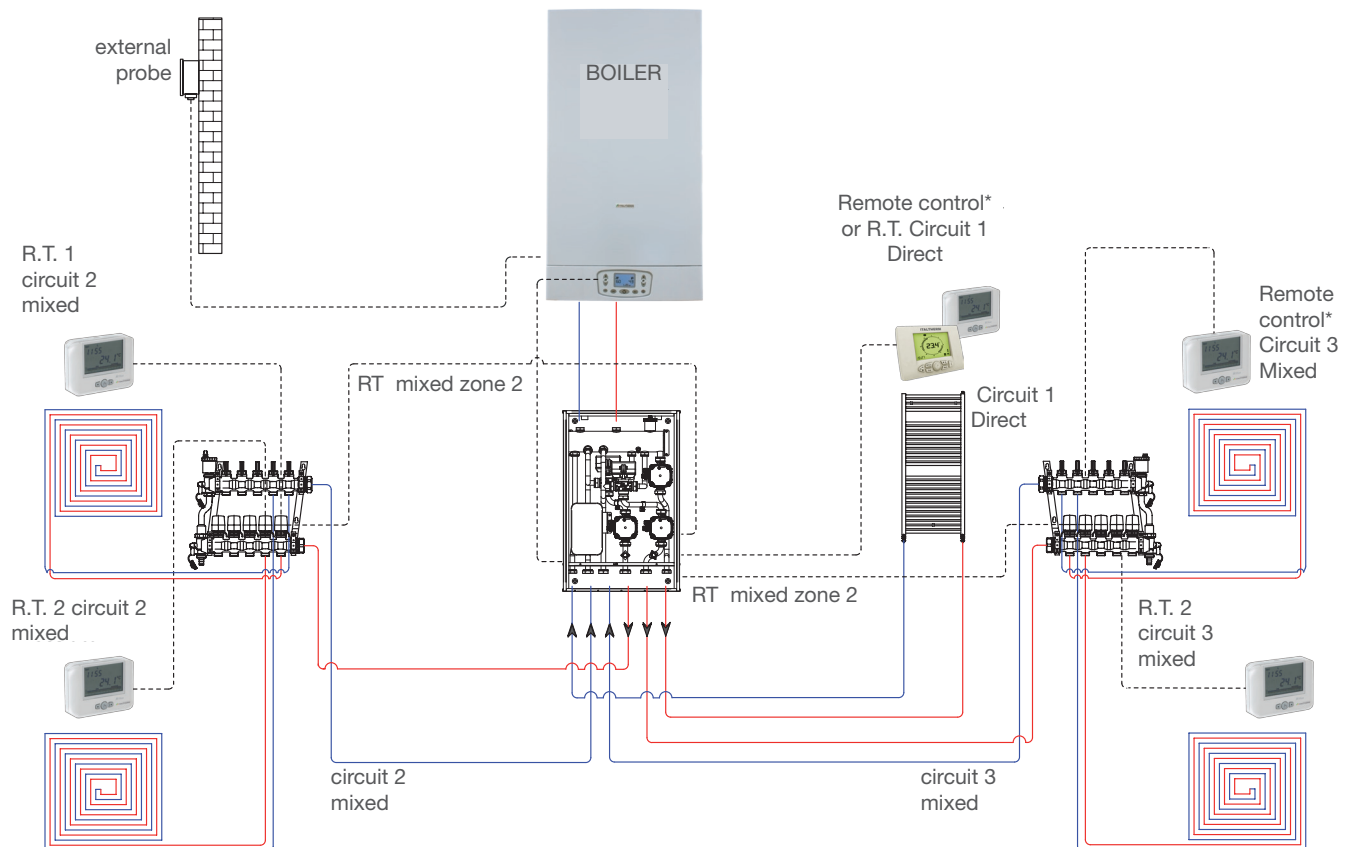
Schematic Diagrams of the plant - Examples

2 mixed LT zones + 1 direct HT zone



* 1 single remote control to configure with reference zones

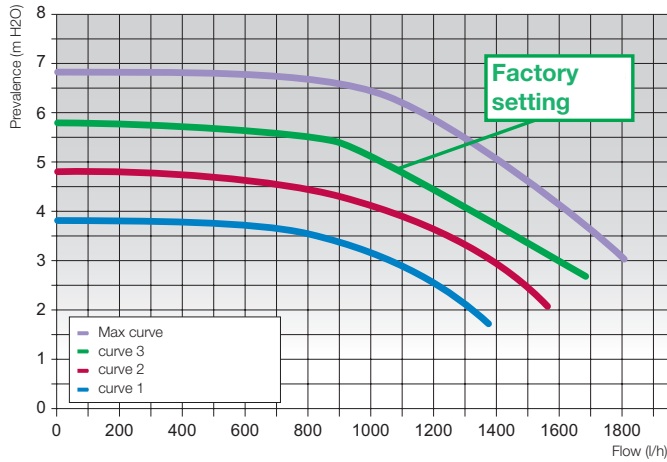
2 mixed circuits + 1 direct circuit (HT zone)



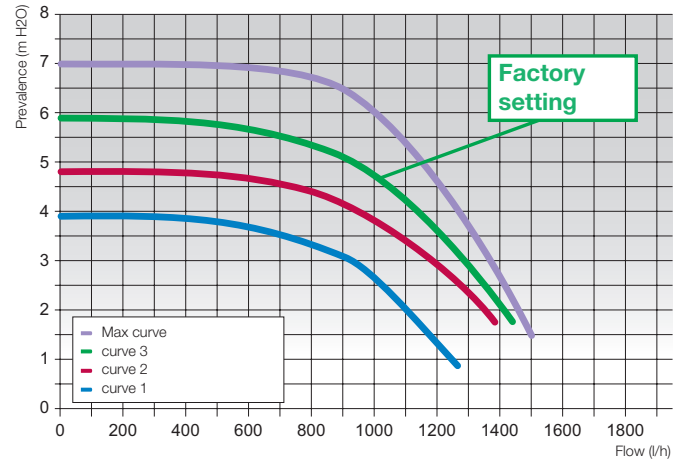
Schematic diagrams are just examples. They do not represent or replace professional engineering.

NOT MIXED ZONE

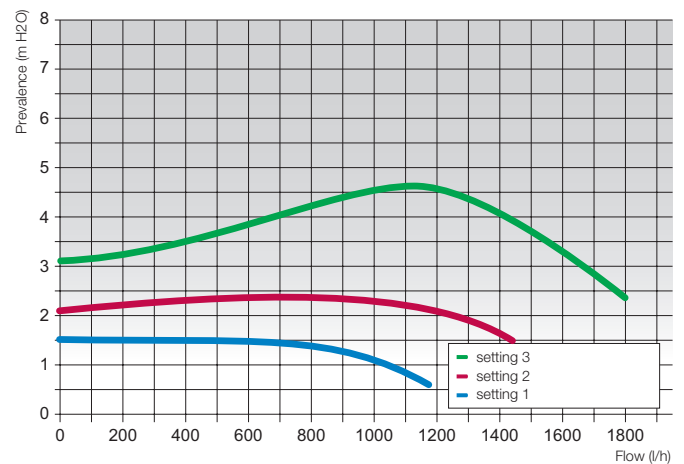
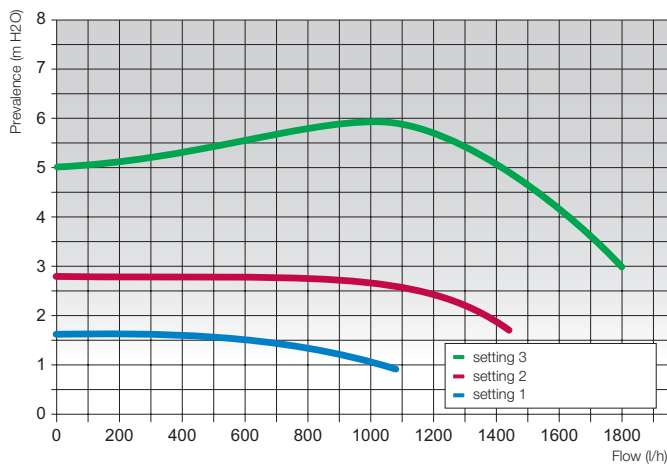
Pump with steady curve



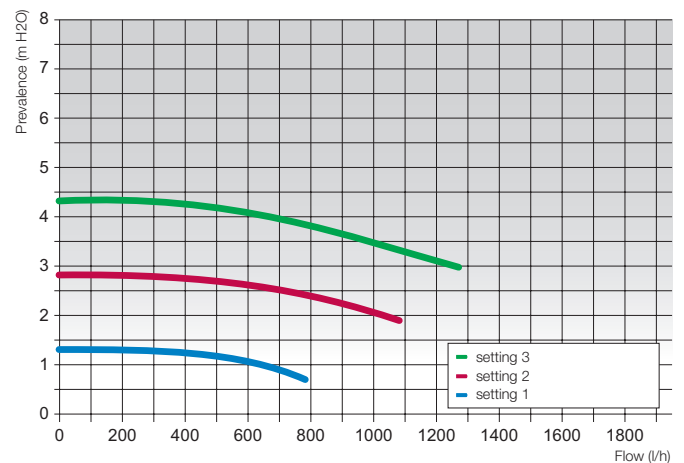
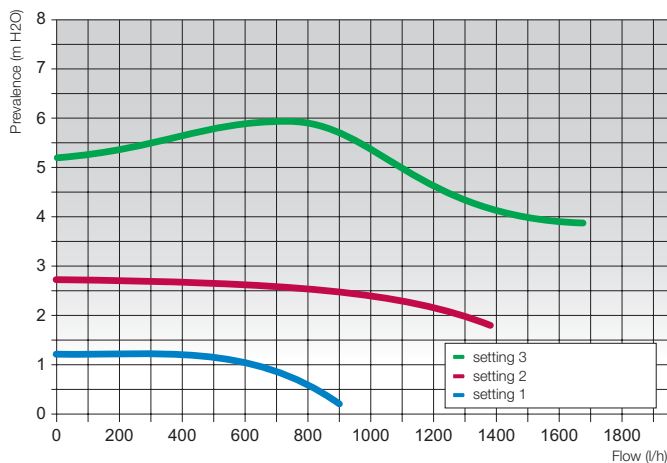
MIXED ZONE



Proportional Pressure Control



Steady Pressure Control





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