

Energy  
Management

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EE0021  APR2024

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## R586R - R586SEP











Distribution units  
and boiler room manifolds  
for heating and cooling control

# R586R

*Insulated distribution and control units for heating and cooling management in multizone systems.*

Available in DN25 or DN32 versions, with or without mixing valve and pump.  
For use with R586SEP boiler room manifolds.

## Versions with pump

PRODUCT CODE	CONNECTIONS			APPLICATION	MIXING VALVE	MAX FLOW RATE [l/h] @ 3 m.c.w.	
	DN	BOILER ROOM	SYSTEM			STANDARD PUMP	PUMP WITH HIGH FLOW-RATE
R586RY101	25	G 1-1/2"M	G 1"F		-	2300	3200
R586RY102				 	Ball mixing valve	2300	3200
R586RY103				 	Sector mixing valve	2200	2800
R586RY104	32	G 2"M	G 1-1/4"F		Thermostatic mixing valve	1500	2000
R586RY131				 	-	2600	4000 (@ 6 m.c.w.)
R586RY133				 	Sector mixing valve	2400	4000 (@ 5,5 m.c.w.)



R586RY101

R586RY102

R586RY103













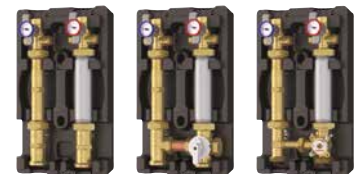
R586RY104

R586RY131

R586RY133

## Versions without pump

PRODUCT CODE	CONNECTIONS			APPLICATION	MIXING VALVE	MAX FLOW RATE [l/h] @ 3 m.c.w.	
	DN	BOILER ROOM	SYSTEM			STANDARD PUMP	PUMP WITH HIGH FLOW-RATE
R586RY111	25	G 1-1/2"M	G 1"F		-	2300	3200
R586RY112				 	Ball mixing valve	2300	3200
R586RY113				 	Sector mixing valve	2200	2800
R586RY114	32	G 2"M	G 1-1/4"F		Thermostatic mixing valve	1500	2000
R586RY141				 	-	2600	4000 (@ 6 m.c.w.)
R586RY143				 	Sector mixing valve	2400	4000 (@ 5,5 m.c.w.)



R586RY111

R586RY112

R586RY113



R586RY114

R586RY141

R586RY143

## MAIN CHARACTERISTICS



- Heating and cooling control
- DN25 and DN32 sizing
- With or without mixing valve and pump
- Reversible supply and return outlets
- Ball valves with integrated thermometer
- Check valve on return circuit
- Insulation shell



Heating and cooling



Reversible supply/return outlets



Integrated check valve on return circuit



# R586SEP

Boiler room steel manifolds for use as manifolds or hydraulic separators.

Available in DN25 or DN32 versions for quick connection of R586R units.

Modular design to install 2 R586SEP manifolds in series, for control of multizone systems.

## Versions for R586R DN25 units

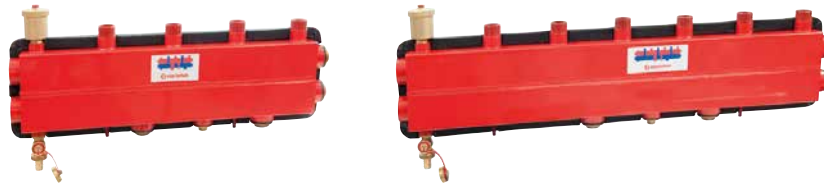
PRODUCT CODE	N. OF TEE CONNECTIONS SECONDARY CIRCUIT	MAX FLOW RATE [l/h]	
		USED AS MANIFOLD	USED AS SEPARATOR
R586SEY02	2		
		4500	4500*
R586SEY03	3		

## Versions for R586R DN32 units

PRODUCT CODE	N. OF TEE CONNECTIONS SECONDARY CIRCUIT	MAX FLOW RATE [l/h]	
		USED AS MANIFOLD	USED AS SEPARATOR
R586SEY12	2		
		9500	9500*
R586SEY13	3		

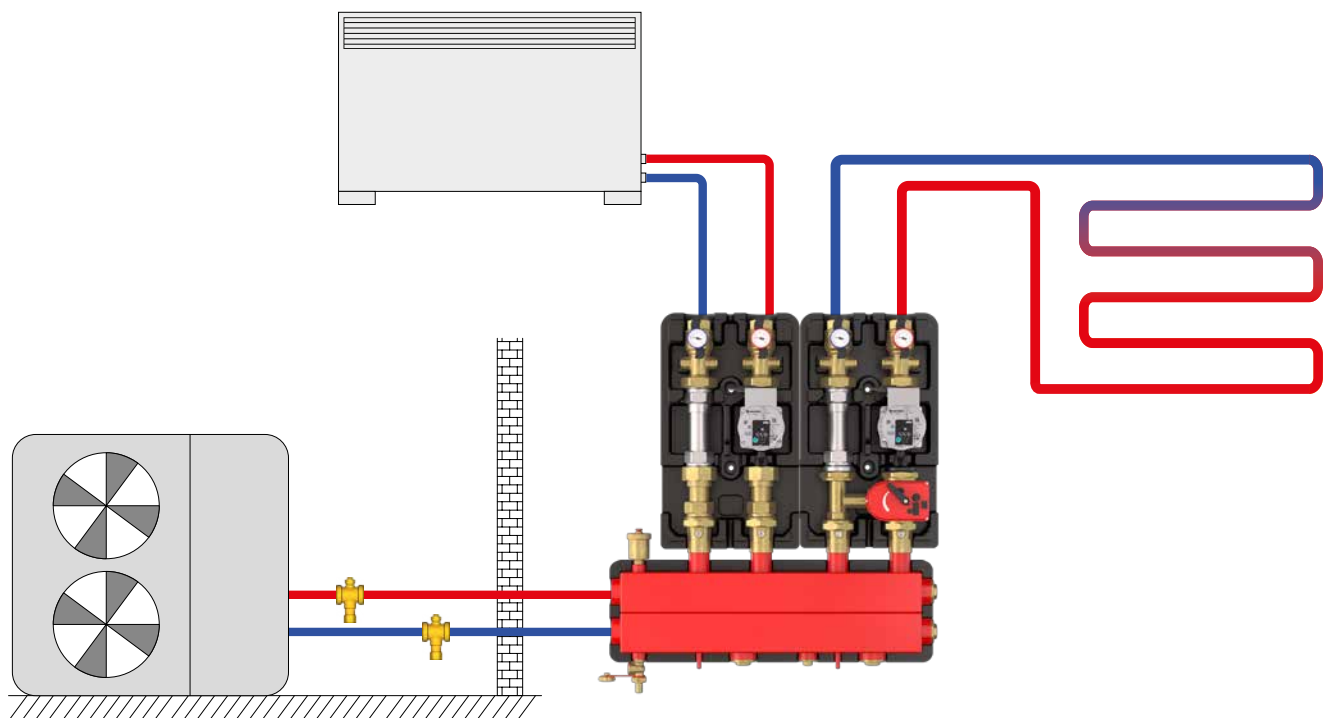
\* Limit the difference between primary and secondary flow rates to 3500 L/h

NOTE. R252 ball valves or R37K tail pieces are required to install R586R distribution units.



## Typical application layout

Application diagram for heating and cooling systems with R586SEP boiler room manifold including R586RY101 unit for non-mixed circuit + R586RY102 unit with mixing valve for low-temperature circuit.





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