

Energy  
Management

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EE0021  OCT2024

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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, DN32 or DN40 versions, with or without mixing valve and pump.

For use with R586SEP boiler room manifolds.



R586RY101



R586RY102



R586RY103



R586RY104



R586RY131



R586RY133


















R586RY151

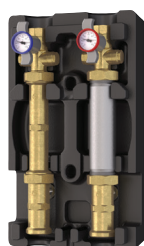


R586RY153

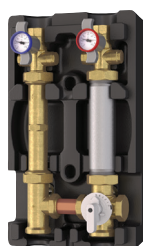
## Versions with pump

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					Thermostatic mixing valve	1500	2000
R586RY131	32	G 2"M	G 1-1/4"F	 	-	2600	4000 (@ 6 m.c.w.)
R586RY133				 	Sector mixing valve	2400	4000 (@ 5.5 m.c.w.)
R586RY151	40	DN40-PN6 Flange	G 1-1/2"F	 	-	10000 (@ 8 m.c.w.)	N/A
R586RY153				 	Sector mixing valve	9500 (@ 8 m.c.w.)	N/A

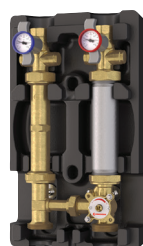




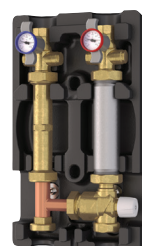
R586RY111



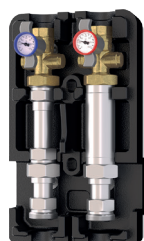
R586RY112



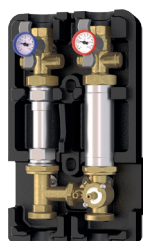
R586RY113



R586RY114



R586RY141



R586RY143


















R586RY161



R586RY163

**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					Thermostatic mixing valve	1500	2000
R586RY141	32	G 2"M	G 1-1/4"F	 	-	2600	4000 (@ 6 m.c.w.)
R586RY143				 	Sector mixing valve	2400	4000 (@ 5,5 m.c.w.)
R586RY161	40	DN40-PN6 Flange	G 1-1/2"F	 	-	10000 (@ 8 m.c.w.)	N/A
R586RY163				 	Sector mixing valve	9500 (@ 8 m.c.w.)	N/A

**MAIN CHARACTERISTICS**

- Heating and cooling control
- DN25, DN32 and DN40 size
- 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



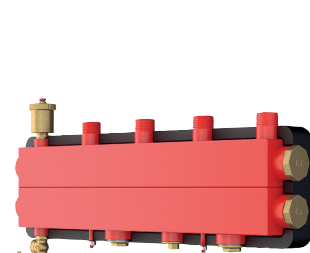
Integrated check  
valve on return  
circuit

# R586SEP

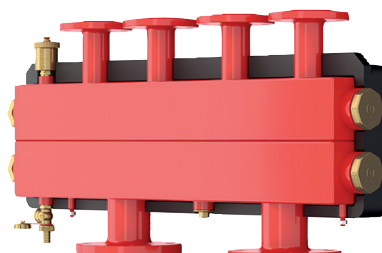
*Boiler room steel manifolds for use as manifolds or hydraulic separators.*

Available in DN25, DN32 or DN40 versions for quick connection of R586R units.

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



THREADED VERSION



FLANGED VERSION

PRODUCT CODE	INSTALLATION WITH R586R UNITS	SECONDARY CIRCUIT CONNECTIONS CENTER DISTANCE [mm]	MAX. FLOW RATE..	
			..AS MANIFOLD [l/h]	..AS HYDRAULIC SEPARATOR* [l/h]
R586SEY02	DN25	125	4500	4500*
R586SEY03				
R586SEY12				
R586SEY13	DN32	125	9500	9500*
R586SEY22				
R586SEY23	DN40	160	14500	14500*

\* 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.

## MAIN CHARACTERISTICS



- Heating and cooling control
- DN25, DN32 and DN40 size
- Modular design for series installation of 2 boiler room manifolds and up to 6 R586R distribution units
- Hydraulic separator function
- Insulation shell



Heating  
and cooling



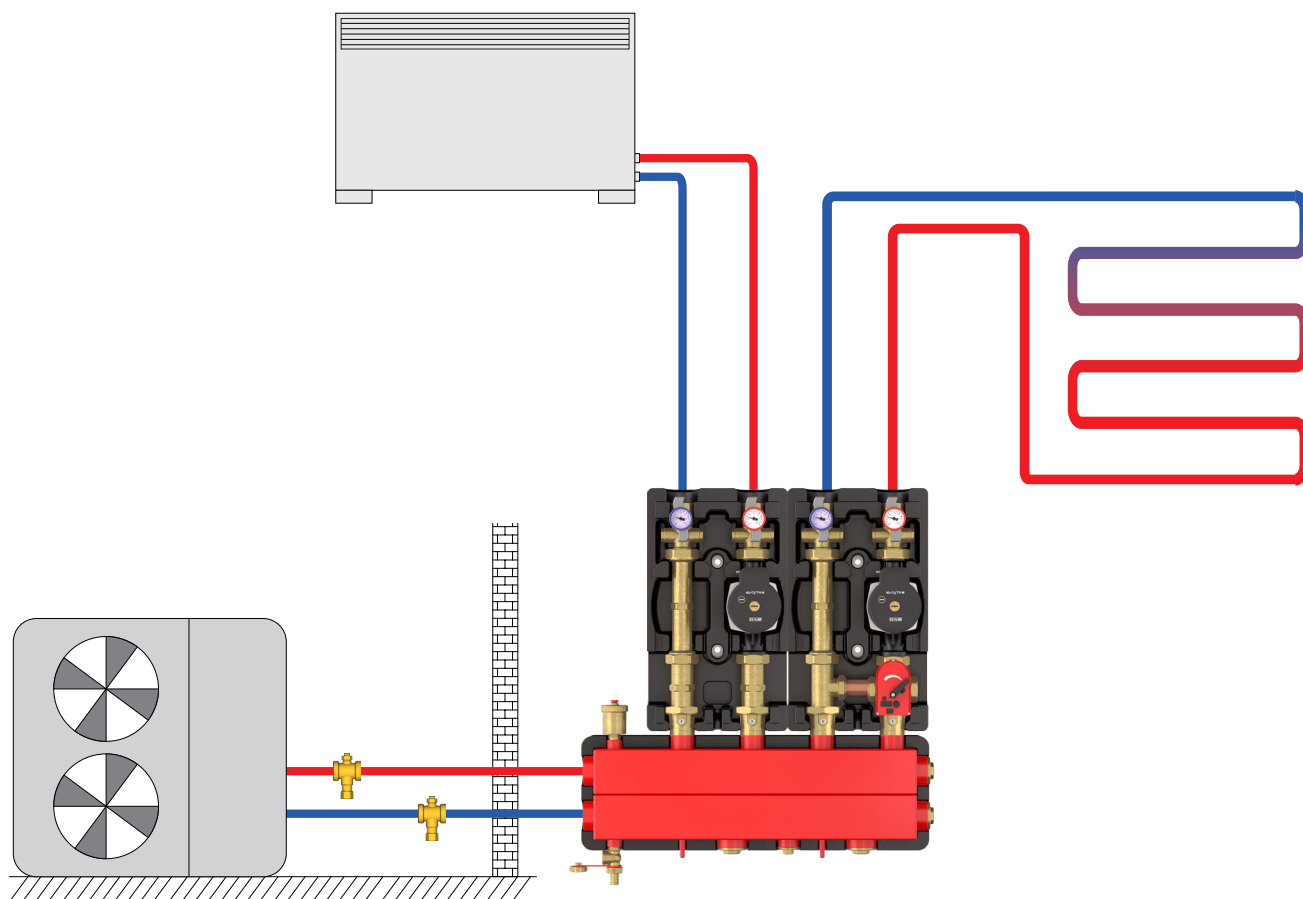
Hydraulic separator  
function



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## 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.





ISO 9001:15    ISO 14001:15    ISO 45001:18

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