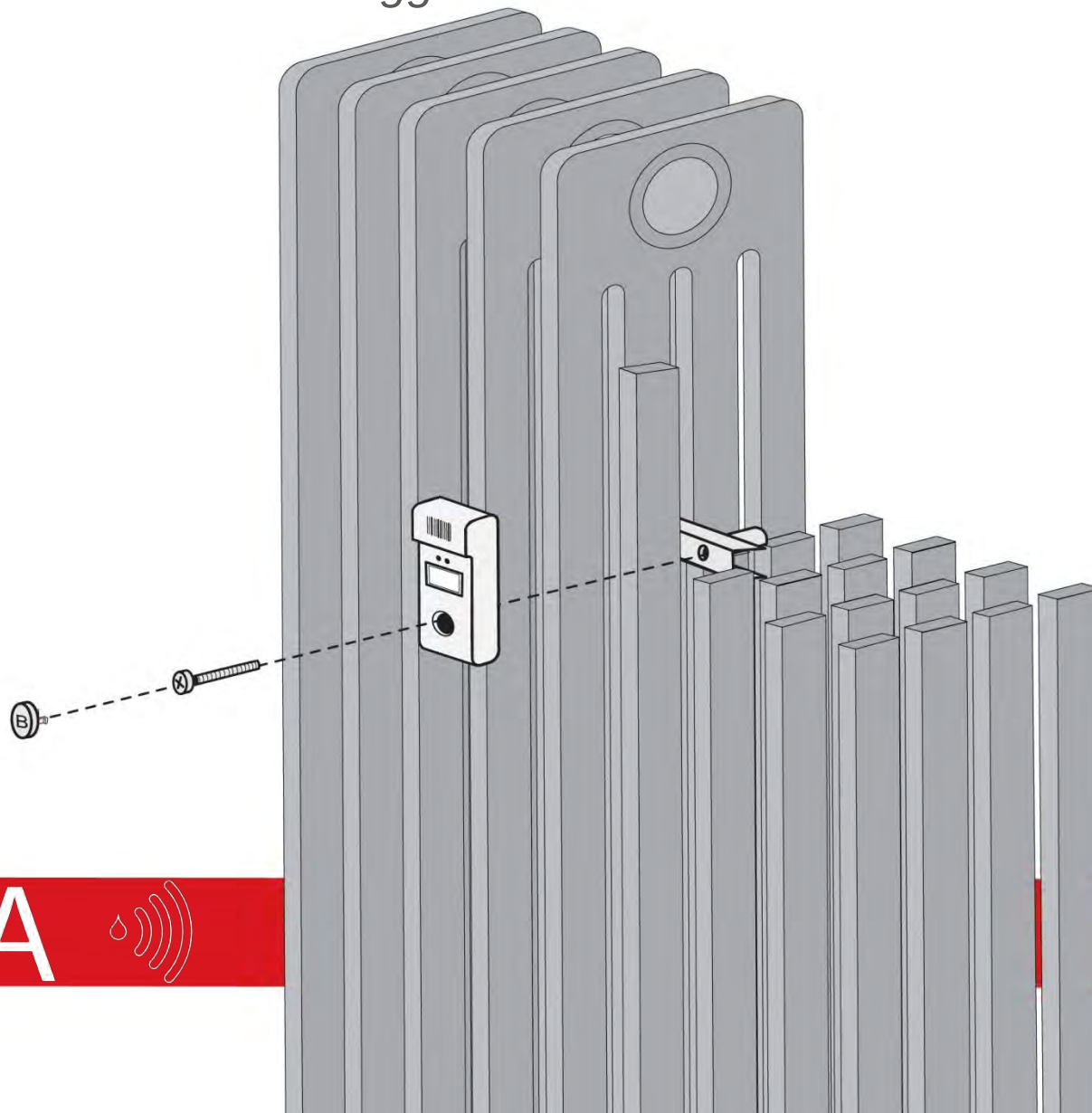


Heat cost allocators – Mounting manual

Ripartitori dei costi di calore - Manuale di montaggio



HYDROCLIMA 

Mounting the allocator on the heater

Allocator must be mounted at 66% (or 75% for HCA version 2 only or later versions) of the Height of the radiator and half of the width.

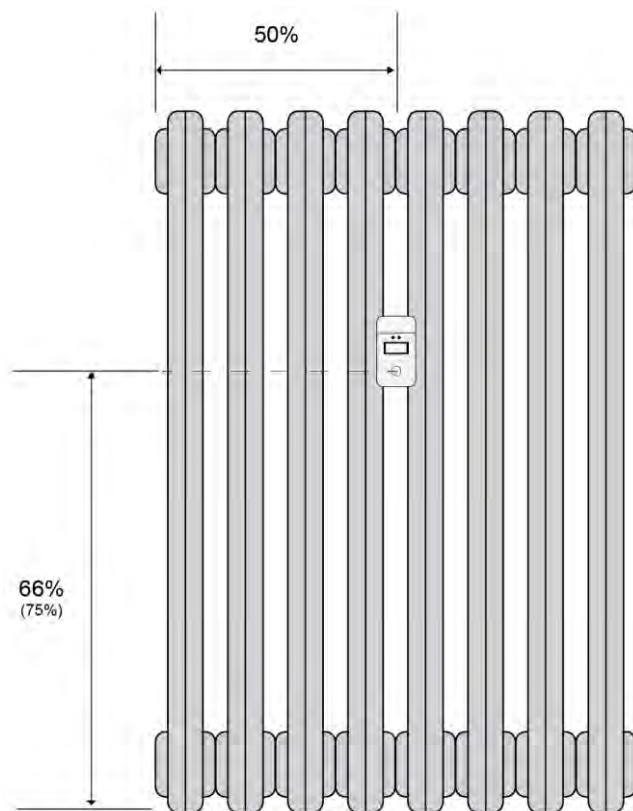


Figure 1. Mounting point of the allocator on the heater (left-side), mounting point of the remote sensor on the heater and the allocator on the wall (right side).

If the heater has a odd number of ribs (that means even number of spaces between ribs, is impossible to install the allocator or remote sensor on the half of the width) move to the nearest space following the direction of the supply valve.
If for any other reasons (i.e. presence of the fixing of the heater on the wall) is not possible to mount the allocator (or remote sensor) in that point move to the nearest space following the direction opposite to the supply valve.

Montaggio del ripartitore sul radiatore

Il ripartitore deve essere installato al 66% (oppure al 75% solo per ripartitori versione 2 e seguenti) dell'altezza del radiatore e a metà della larghezza.

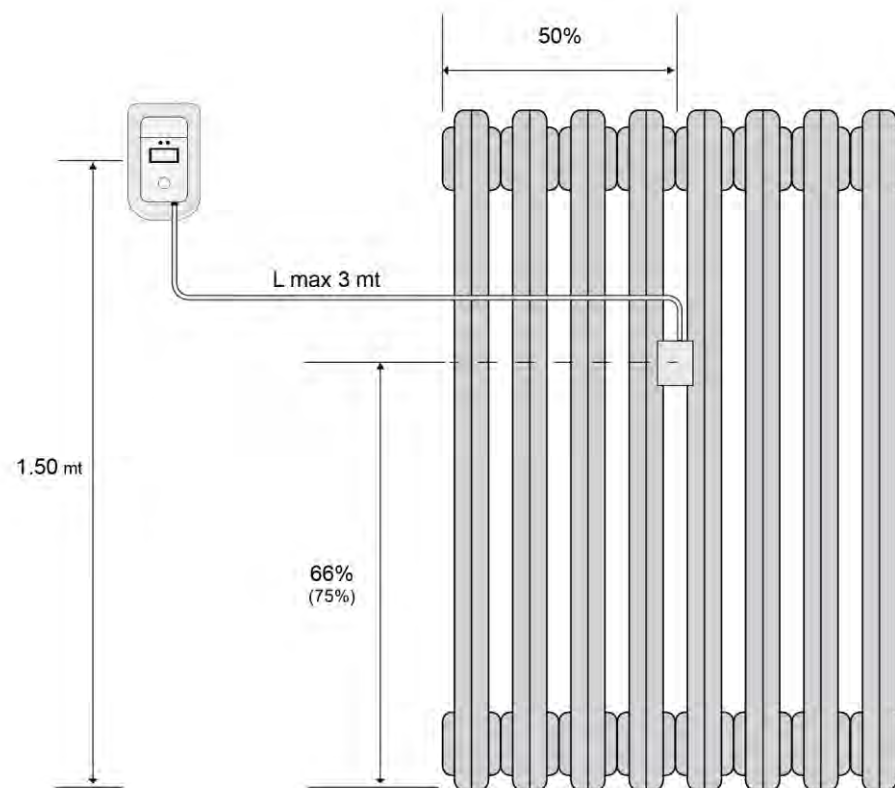


Figura 1. Punto di montaggio del ripartitore sul termosifone (sinistra), punto di montaggio del sensore remoto sul termosifone e del ripartitore a muro (destra).

Se il radiatore ha un numero di elementi dispari (vale a dire un numero pari di spazi tra gli elementi, è impossibile installare il ripartitore o il sensore remoto a metà della larghezza) è necessario muoversi nello spazio più vicino verso la valvola di mandata.
Se per altre ragioni (es. presenza di una mensola di fissaggio del radiatore al muro) non è possibile installare il ripartitore (o il sensore remoto) in questo punto è necessario muoversi nella direzione opposta alla valvola di mandata.

Height can be 66% or 75%* of heater's height, the relative heater's coefficient (Kc) should be properly set during the configuration of the allocator (check the Kc coefficient list).

If the heater is wider than 2,2 m, it's needed to consider the heater as two heaters with 50% of the starting heater width.

The fixing point of the allocator (or remote sensor) must be identify with the hole in which will be inserted the mounting screw on the allocator (or remote sensor plate).

*75% mounting point is available only for allocators ver. 2.3 and following

L'altezza può essere 66% o 75%* dell'altezza del termosifone, dovrà essere settato opportunamente il relativo coefficiente radiatore (Kc) in fase di configurazione del ripartitore (consultare la lista dei Kc)

Se il radiatore è più lungo di 2,2 m, è necessario considerare il radiatore come due radiatore di metà della larghezza del radiatore di partenza.

Il punto di fissaggio del ripartitore (o del sensore remoto) viene identificato nel foro in cui va inserita la vite di fissaggio sul ripartitore (o della piastrina del sensore remoto).

*l'installazione al 75% è disponibile solo per i ripartitori ver. 2.3, e seguenti

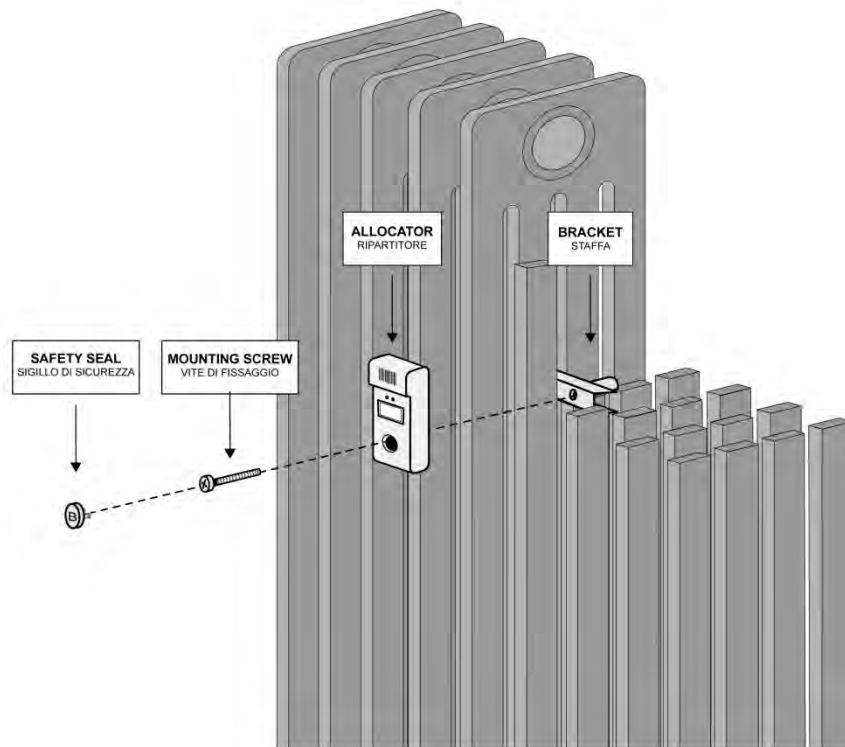


Figure 2. [Left side] How to mount the allocator in a ribs heater using the appropriate mounting brackets. [Right side] How to install the remote sensor version of the allocator.

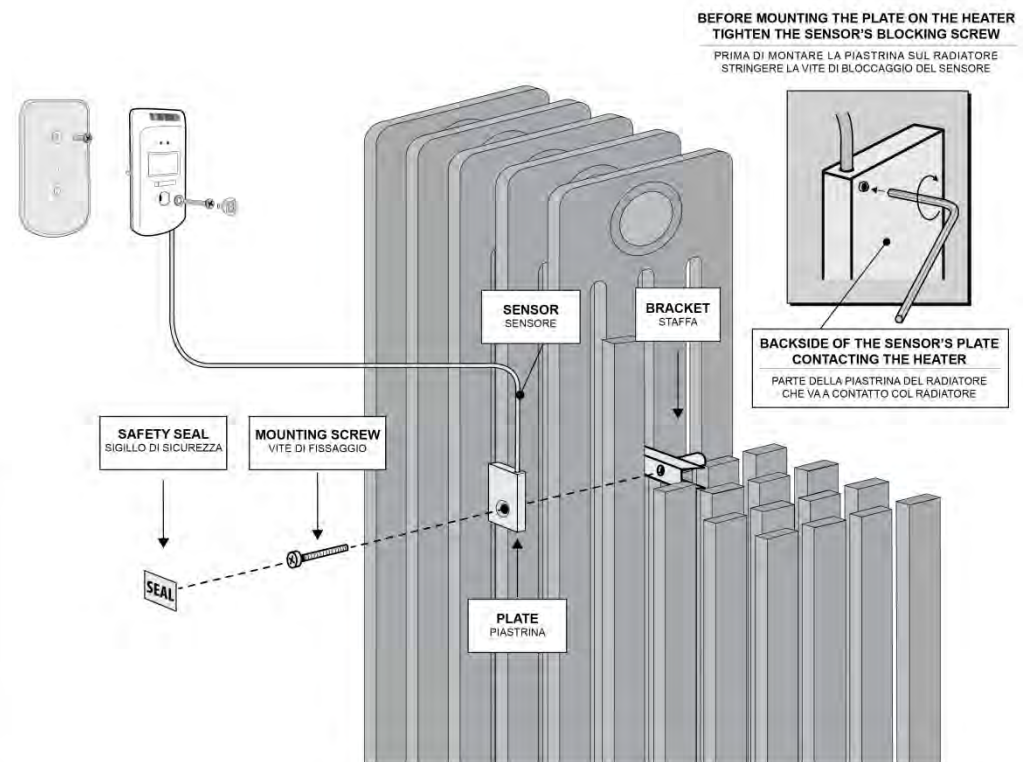
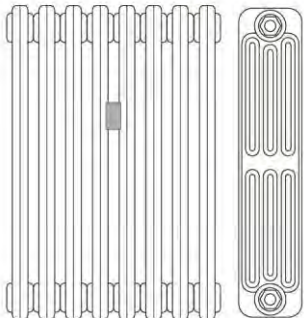
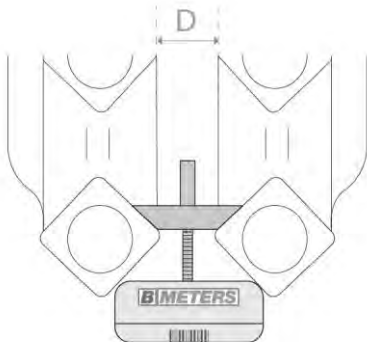
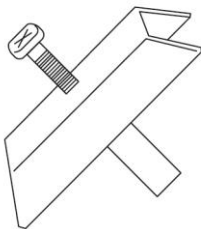
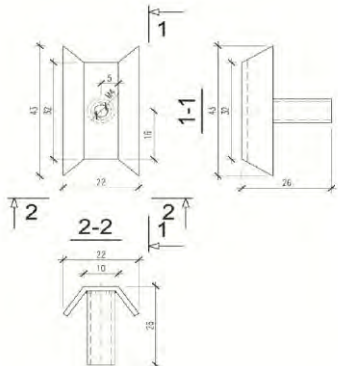
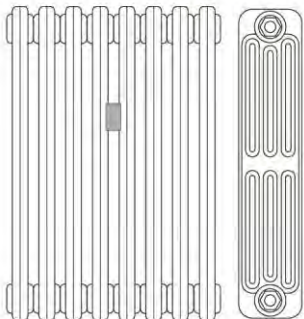
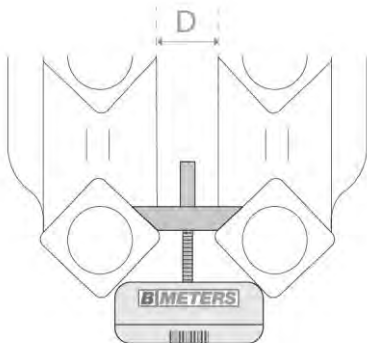
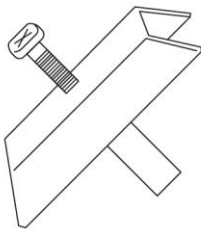
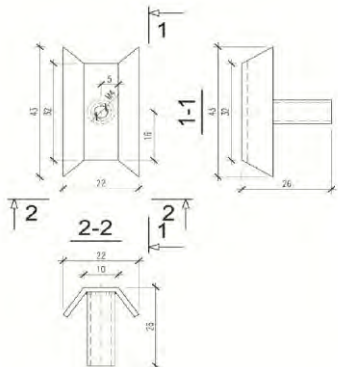
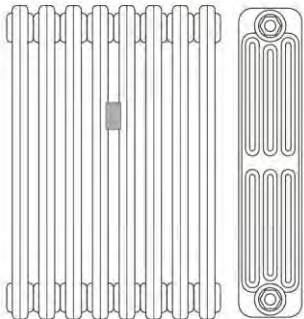
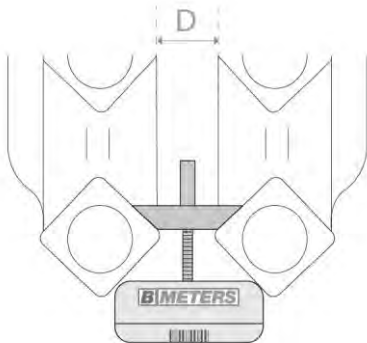
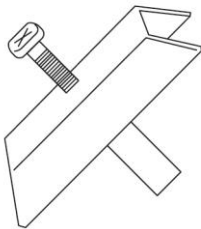
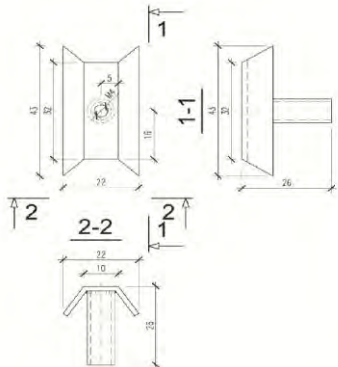
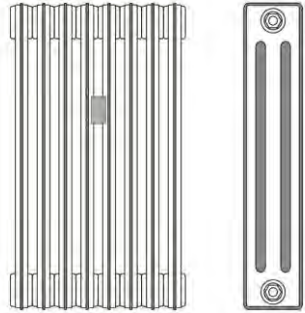
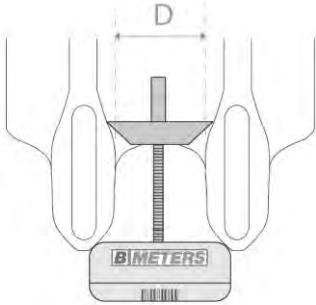
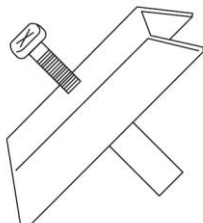
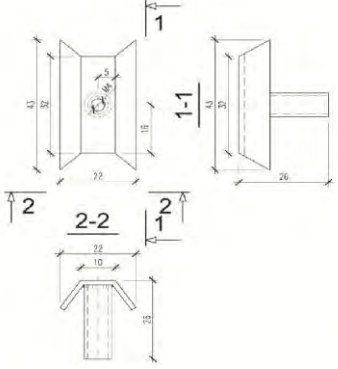
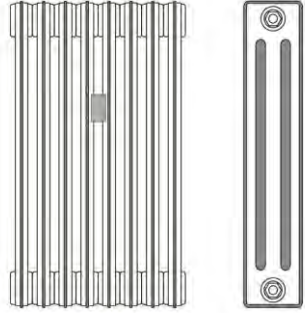
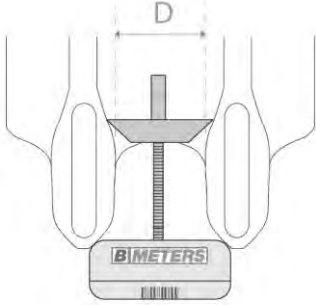
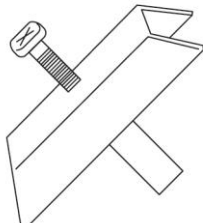
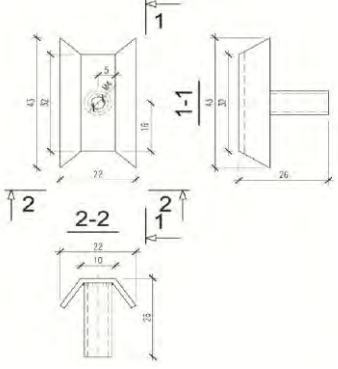
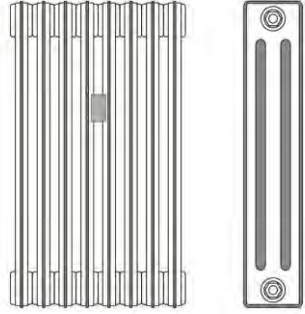
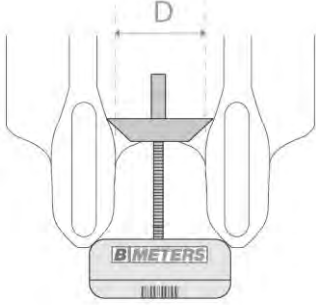
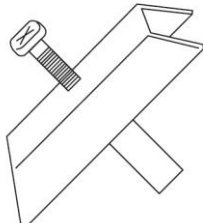
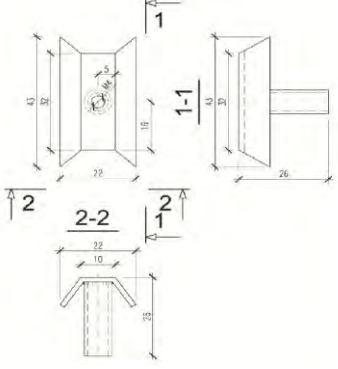
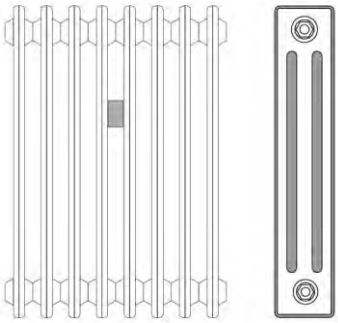
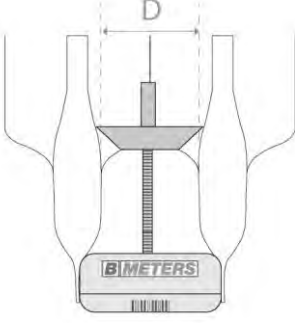
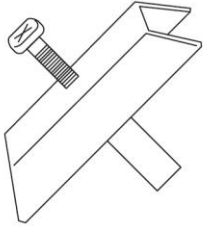
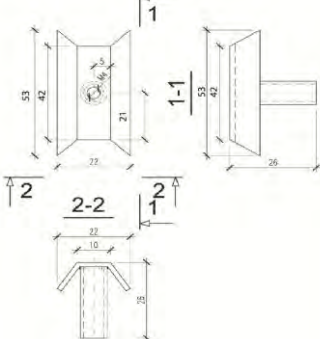
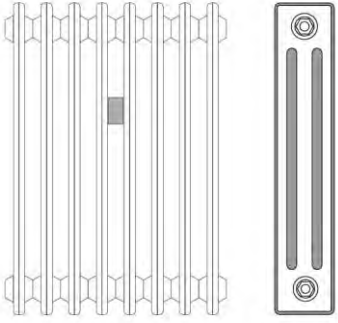
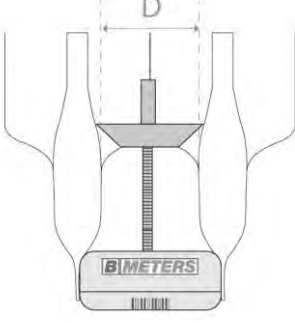
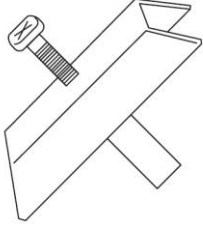
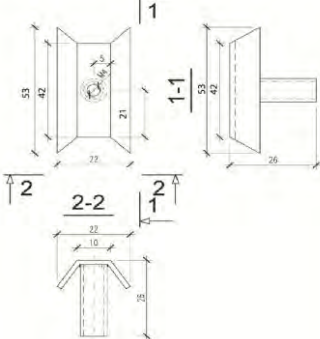
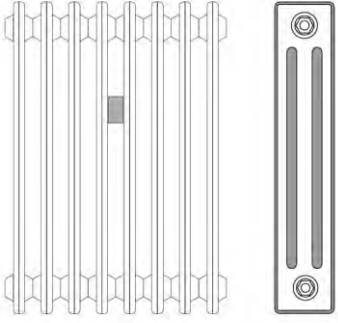
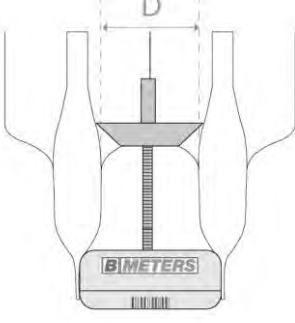
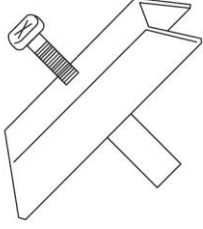
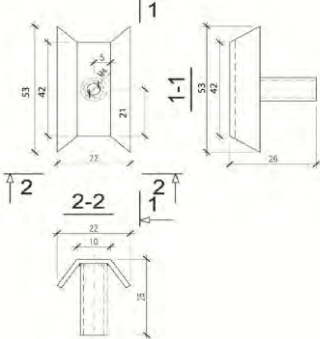
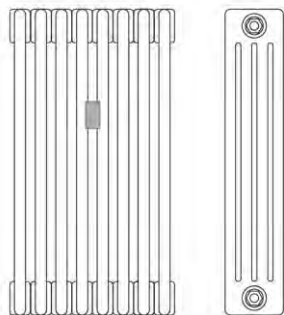


Figura 2. Come montare il ripartitore in un radiatore a costole con l'utilizzo dell'apposita staffa di montaggio. Come installare

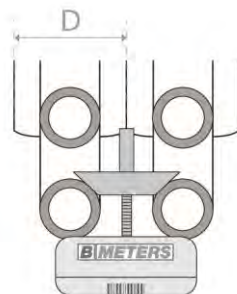
Heater type - Tipologia di radiatore	Installation - Installazione	Mounting kit - Kit di fissaggio	Dimensions - Dimensioni
 Neoclassic - Neoclassico	 25 mm<D<33 mm	 BRR1-23	 H=22 mm, W= 35mm, Screw M4-30
 Neoclassic - Neoclassico	 34 mm<D<41 mm	 BRR1-32	 H=22 mm, W= 43mm, Screw M4-30
 Neoclassic - Neoclassico	 44 mm<D<51 mm	 BRR1-42	 H=22 mm, W= 53mm, Screw M4-30

 Ribbed - Radiatore con diaframma	 25 mm<D<33 mm	 BRR1-23	 H=22 mm, W= 35mm, Screw M4-30
 Ribbed - Radiatore con diaframma	 34 mm<D<41 mm	 BRR1-32	 H=22 mm, W= 43mm, Screw M4-30
 Ribbed - Radiatore con diaframma	 44 mm<D<51 mm	 BRR1-42	 H=22 mm, W= 53mm, Screw M4-30

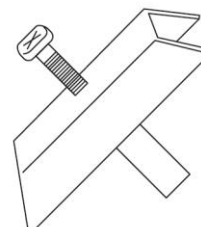
 Ribbed - Radiatore con diaframma	 25 mm<D<33 mm	 BRR1-23	 H=22 mm, W= 35mm, Screw M4-30
 Ribbed - Radiatore con diaframma	 34 mm<D<41 mm	 BRR1-32	 H=22 mm, W= 43mm, Screw M4-30
 Ribbed - Radiatore con diaframma	 44 mm<D<51 mm	 BRR1-42	 H=22 mm, W= 53mm, Screw M4-30



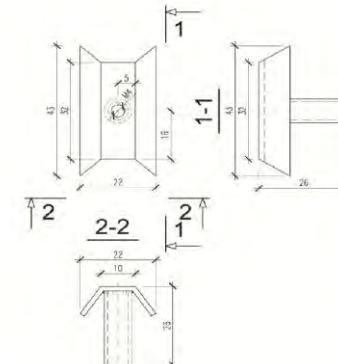
tubular -Tubolare
H <1200 mm



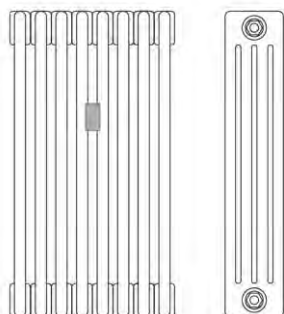
D=45/46 mm



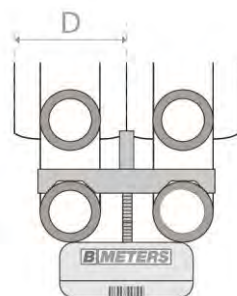
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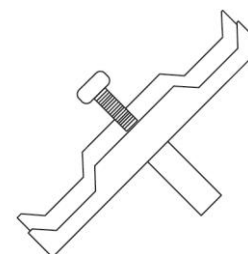
H=22 mm, W= 43mm, Screw M4-30



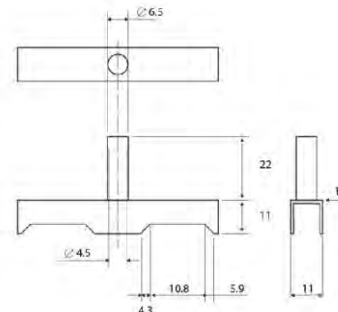
Tubular - Tubolare
H >1200 mm



D=45/46 mm



BRR4-67



H=11mm, W= 67 mm, Screw M4-30

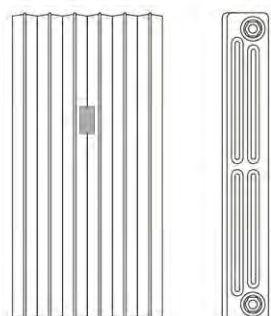
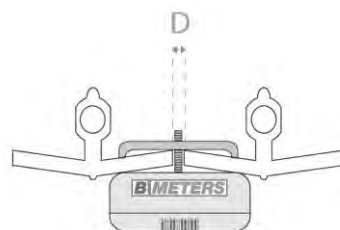
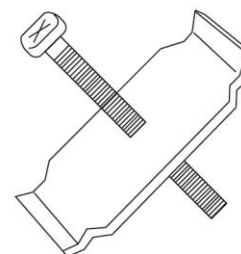


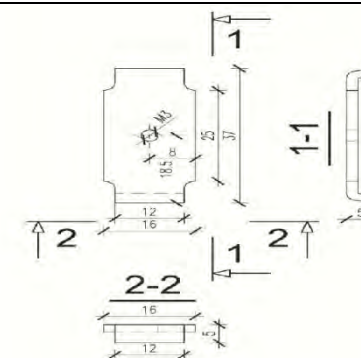
Plate Radiator - Radiatore a piastre



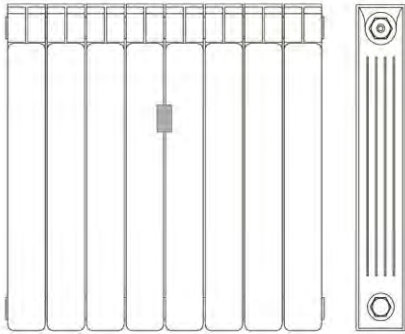
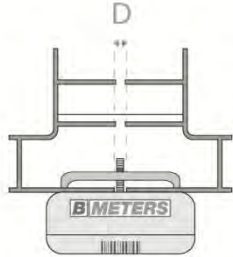
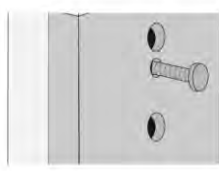
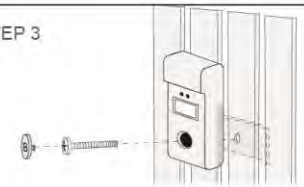
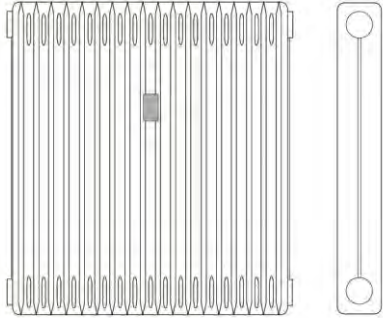
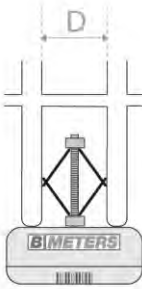
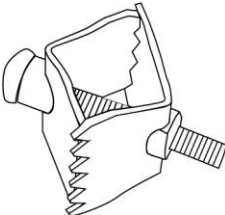
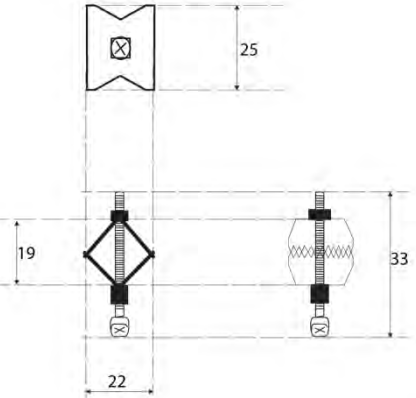
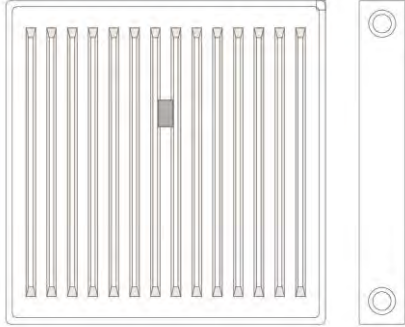
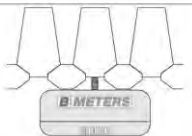
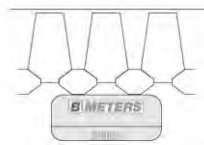
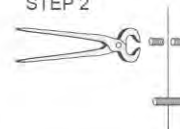
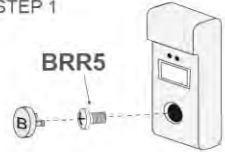
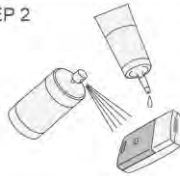
3 mm<D<10 mm

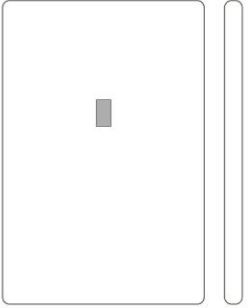
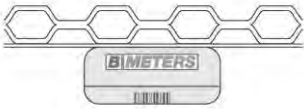
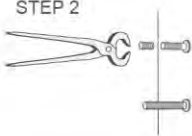
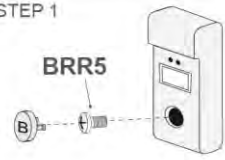
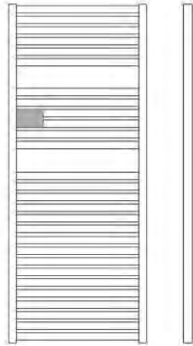
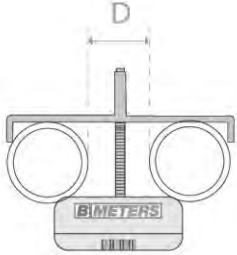
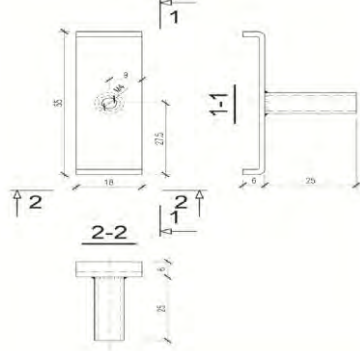
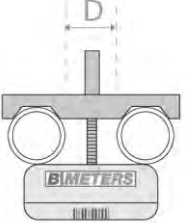
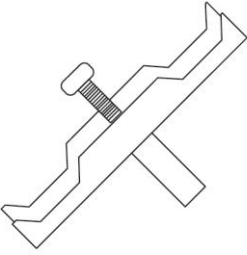
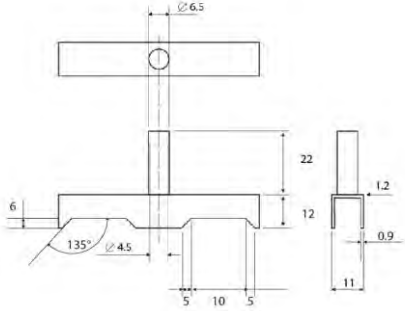


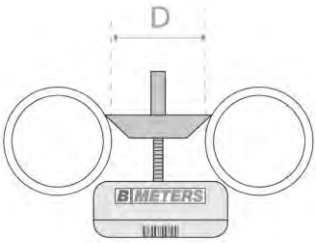
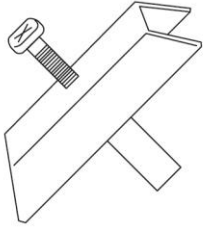
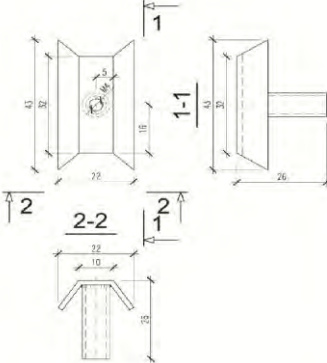
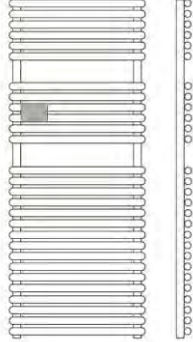
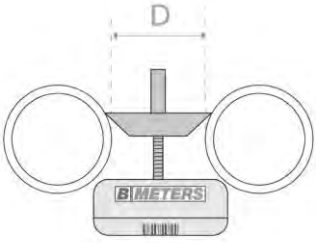
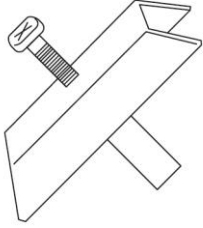
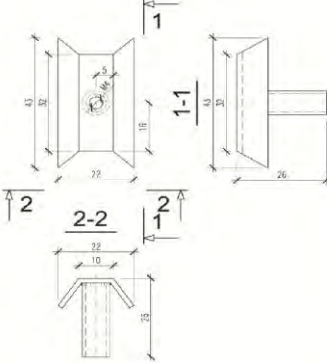
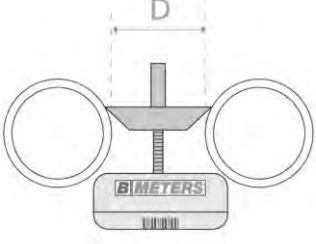
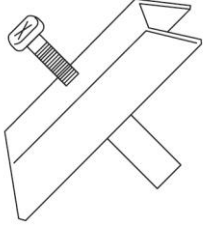
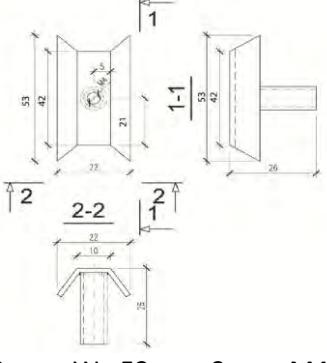
BRR3-32



H=16 mm, W=25-37, Screw M3-30

 Plate Radiator - <i>Radiator a piastre</i>	 3 mm<D<10 mm	Threaded stud M3-10 mm + BRR 3-32 Prigioniero filettato M3-10 mm + BRR 3-32  STEP 1  STEP 2  STEP 3 	
 Lamellar - <i>Lamellare</i>	 22 mm<D<27 mm	 BRRx-xx	 H=25 mm, W= 22mm, Screw M4-30
 Panel – striped surface <i>A Pannello - superficie rigata</i>	WELDING Saldatura  BONDING Incollaggio 	Threaded weld stud M3-10 mm + BRR6 Prigionieri a saldare M3-10 mm + BRR6 STEP 1  STEP 2  STEP 3  BRR6 STEP 1  BRR5 STEP 2  Loctite 330 and activator loctite 7388 +BRR5 Loctite 330 ed attivatore loctite 7388 +BRR5	

 Panel – smooth surface <i>A pannello – superficie liscia</i>	 Welding or Bonding <i>Saldatura o incollaggio</i>	Threaded weld stud M3-10 mm + BRR6 Prigionieri a saldare M3-10 mm + BRR6 STEP 1  STEP 2  STEP 3  STEP 1  STEP 2  Loctite 330 and activator loctite 7388 +BRR5 Loctite 330 ed attivatore loctite 7388 +BRR5	
 Heated towel rail <i>Termoarredo- Scaldasalviette</i>	 53 mm > D + 2diam	 BRR2-50	 H=18 mm, W=55 mm, Screw M4-30
	 D=45-46 mm	 BRR4-67	 H=11mm, W= 67 mm, Screw M4-30

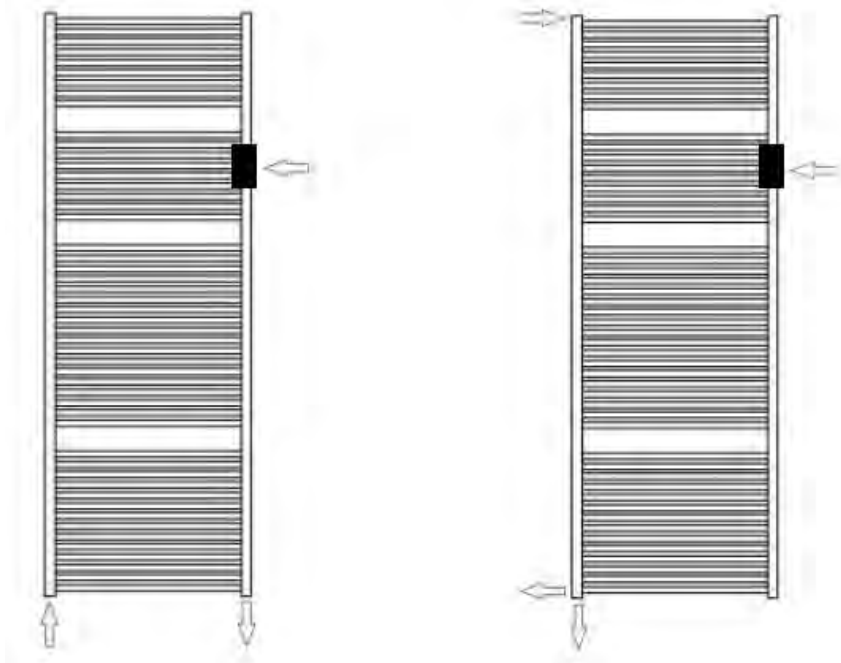
	 25 mm<D<33 mm	 BRR1-23	 H=22 mm, W= 35mm, Screw M4-30
 Heated towel rail <i>Termoarredo- Scaldasalviette</i>	 34 mm<D<41 mm	 BRR1-32	 H=22 mm, W= 43mm, Screw M4-30
	 44 mm<D<51 mm	 BRR1-42	 H=22 mm, W= 53mm, Screw M4-30

Heat cost allocator mounting on the Heated towel rail

You can proceed both with:

- **Welding or bonding** directly on the cooler part of the heated towel rail, keeping the heat cost allocator in vertical position;
- **Mounting with bracket** between the horizontal elements. In this case the heat cost allocator must be installed in horizontal position as close as possible to the cooler part of the radiator

In both cases you must install the allocator at 66% or 75% of the total height of the radiator.

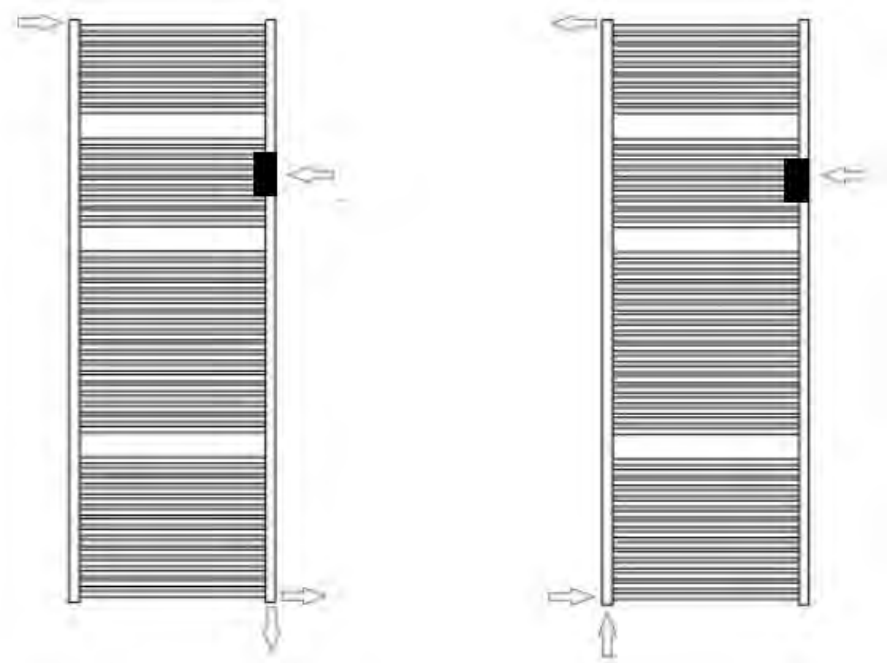


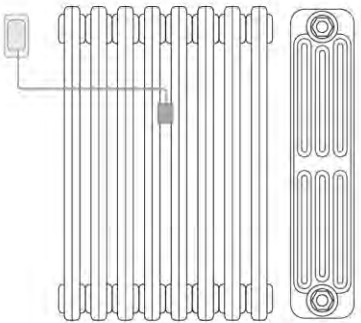
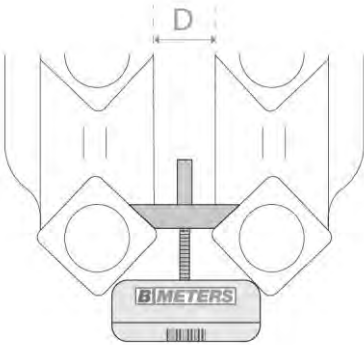
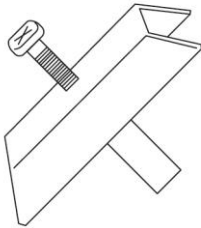
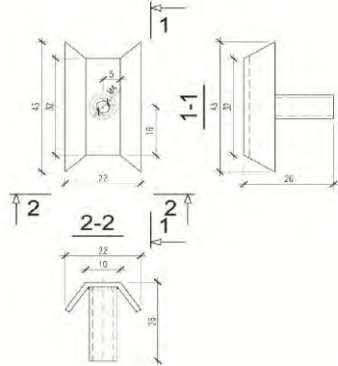
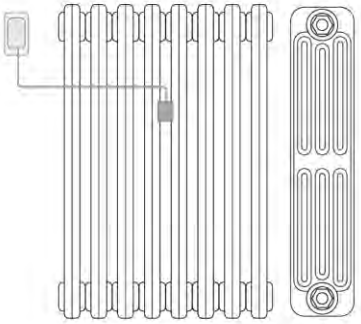
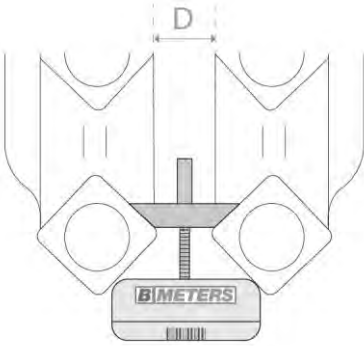
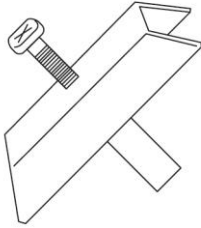
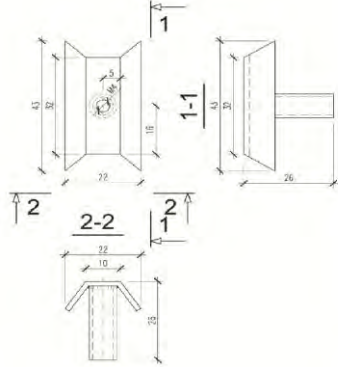
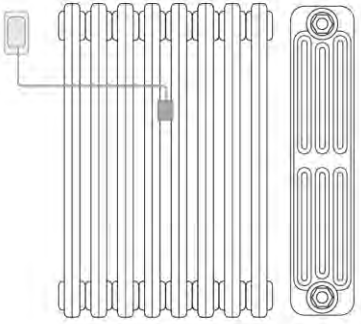
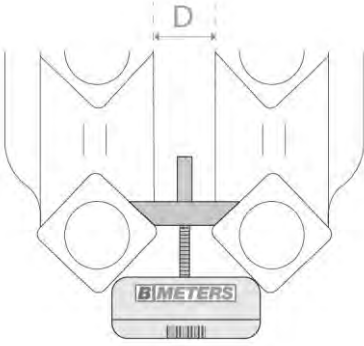
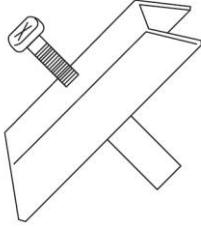
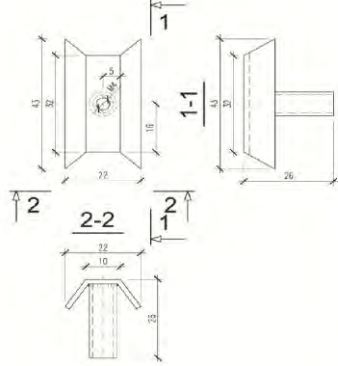
Montaggio ripartitore su termoarredo/scaldasalviette

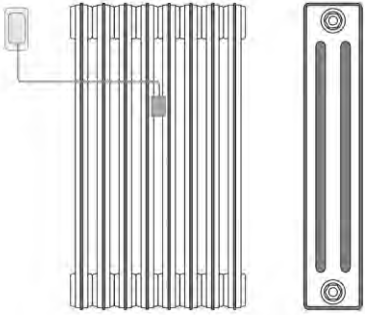
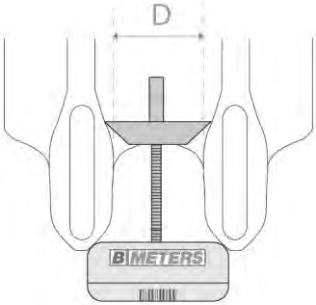
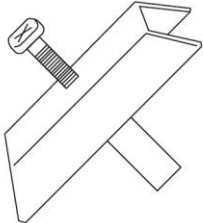
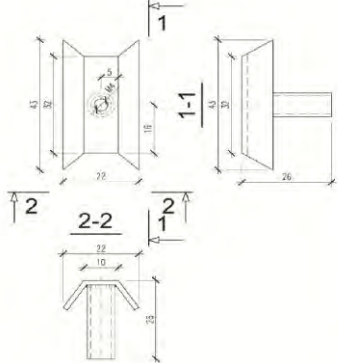
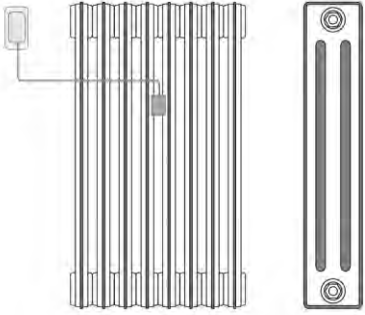
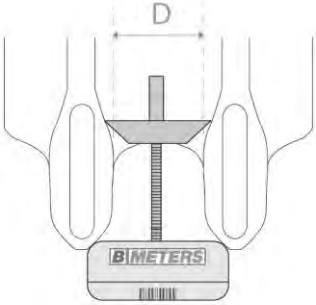
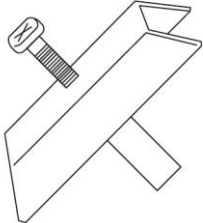
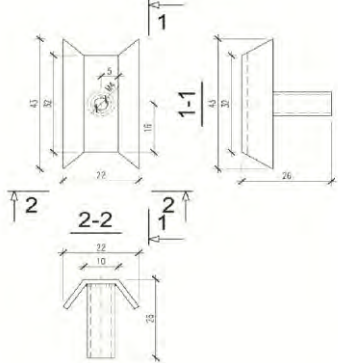
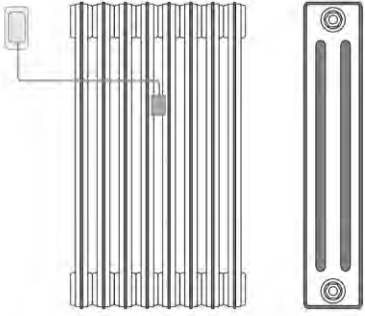
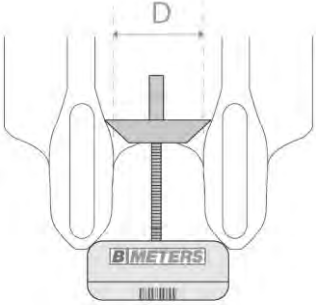
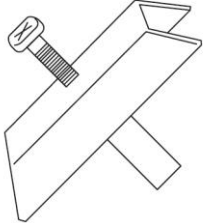
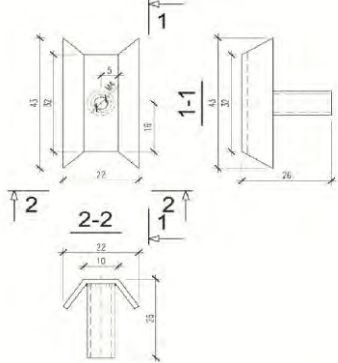
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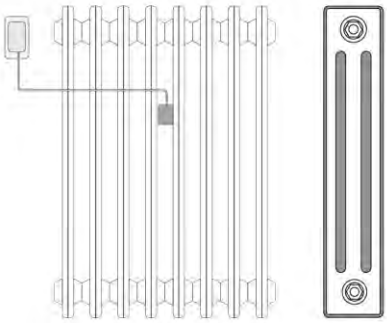
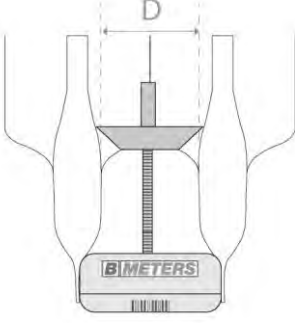
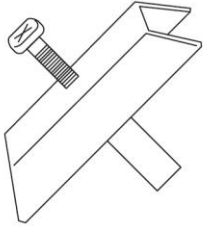
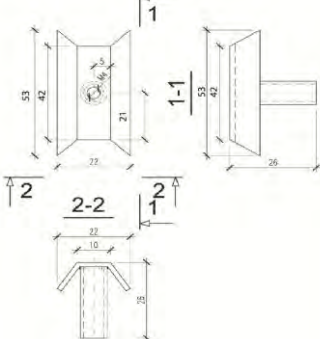
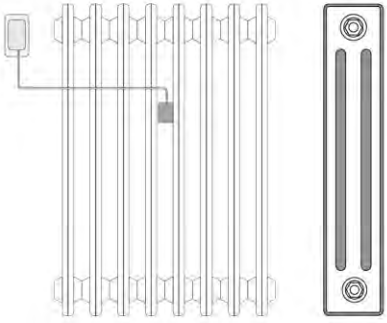
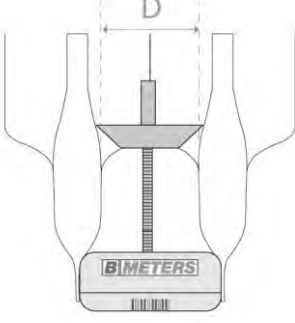
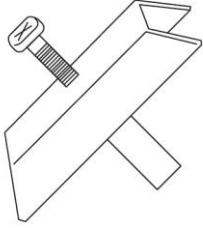
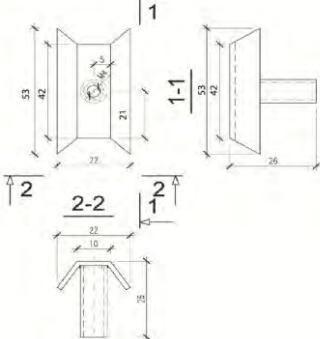
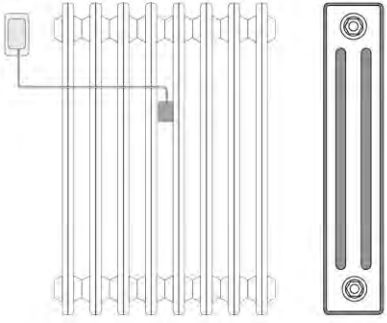
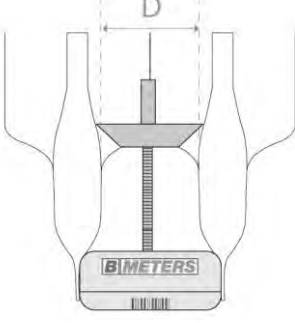
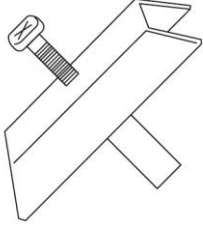
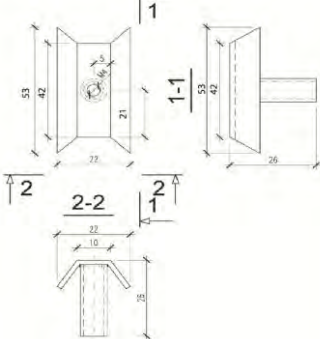
- **Saldatura o incollaggio** direttamente sul montante più freddo dello scaldasalviette tenendo il ripartitore in posizione verticale;
- **Fissaggio con staffa** tra gli elementi orizzontali, il ripartitore in questo caso va installato in posizione orizzontale il più vicino possibile al montante più freddo

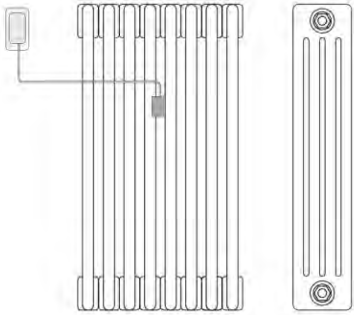
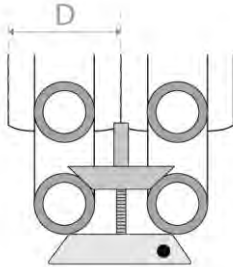
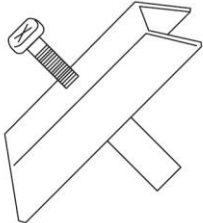
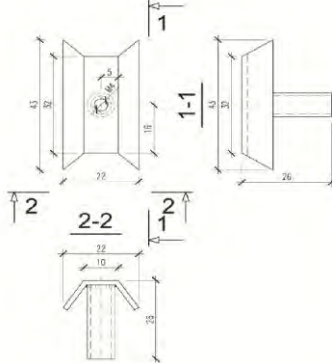
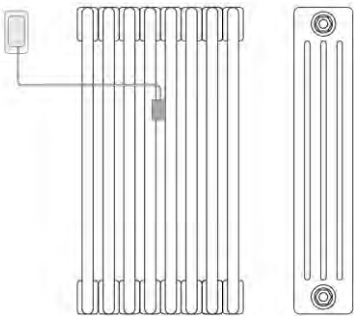
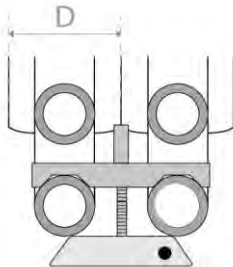
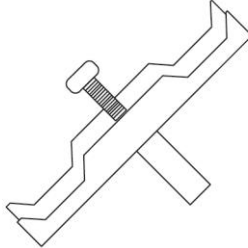
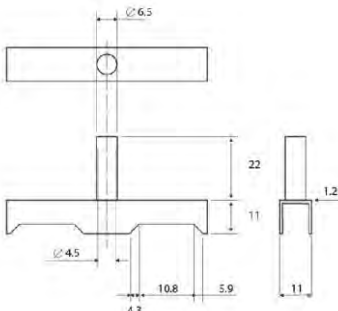
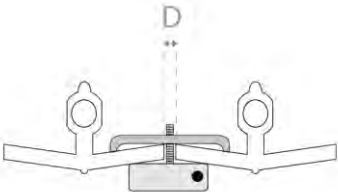
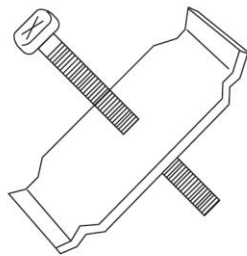
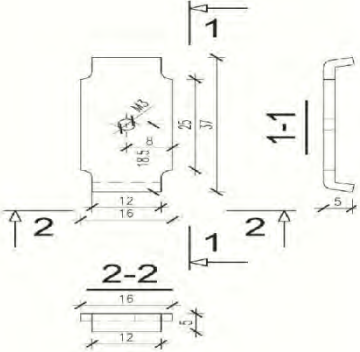
In entrambi i casi, il ripartitore va installato al 66% o al 75% dell'altezza totale del radiatore.

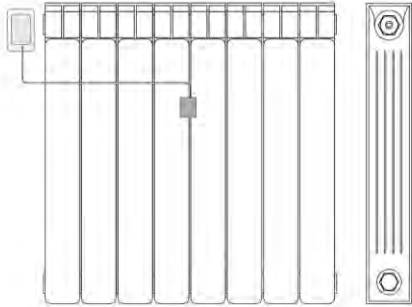
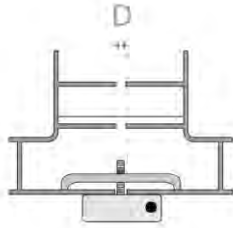
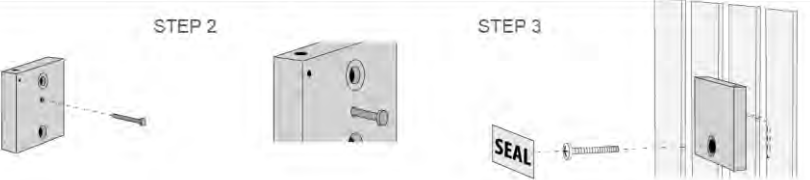
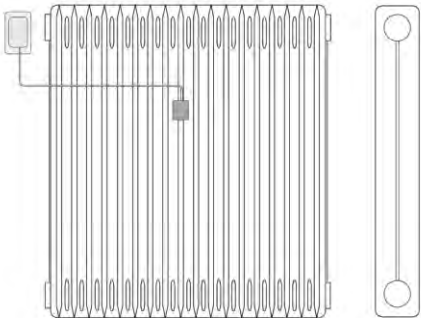
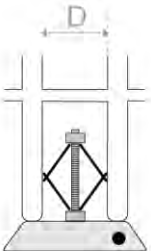
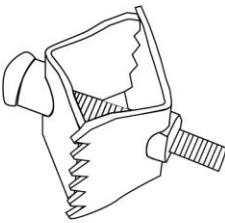
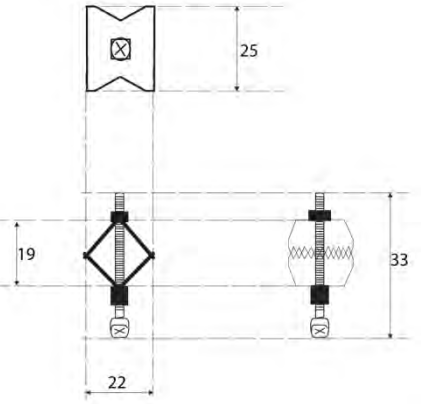
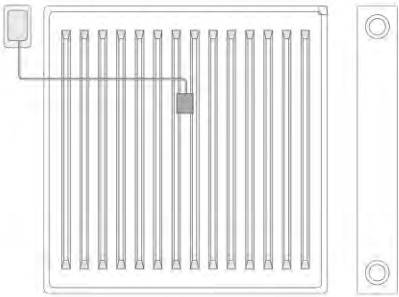
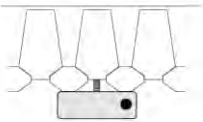
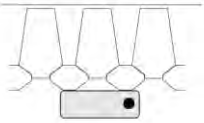
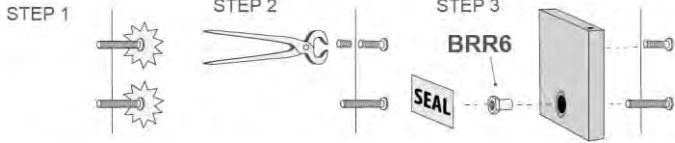


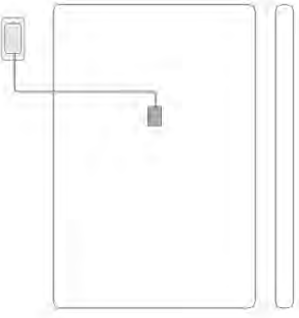
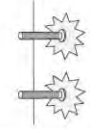
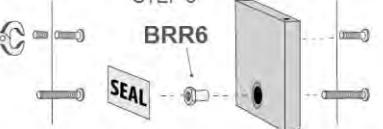
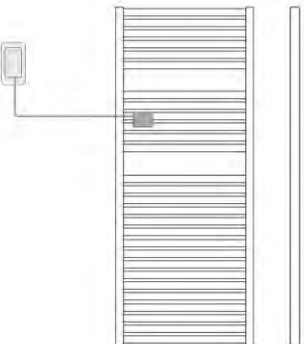
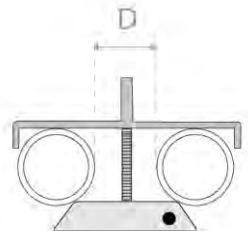
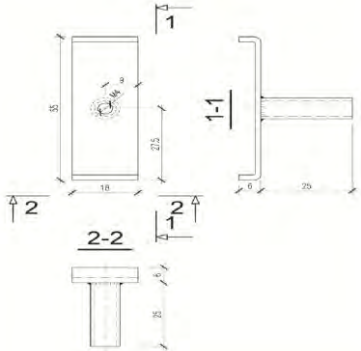
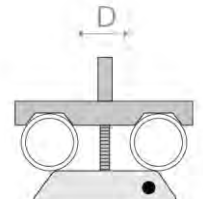
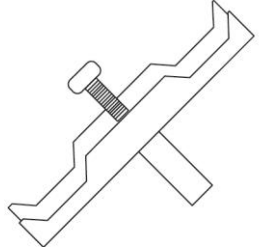
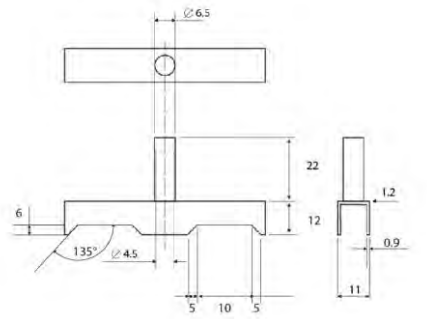
Heater type - Tipologia di radiatore	Installation - Installazione	Mounting kit - Kit di fissaggio	Dimensions - Dimensioni
 Neoclassic - Neoclassico	 25 mm < D < 33 mm	 BRR1-23	 H=22 mm, W= 35mm, Screw M4-30
 Neoclassic - Neoclassico	 34 mm < D < 41 mm	 BRR1-32	 H=22 mm, W= 43mm, Screw M4-30
 Neoclassic - Neoclassico	 44 mm < D < 51 mm	 BRR1-42	 H=22 mm, W= 53mm, Screw M4-30

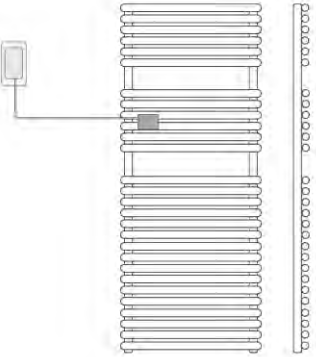
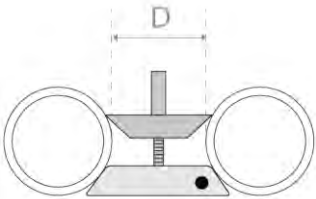
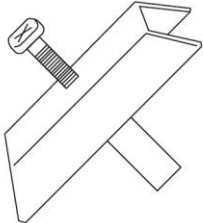
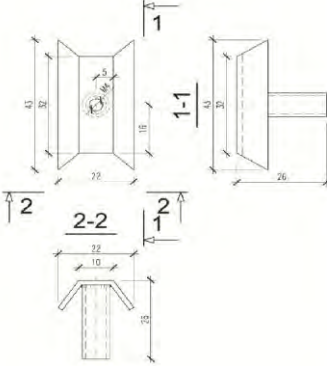
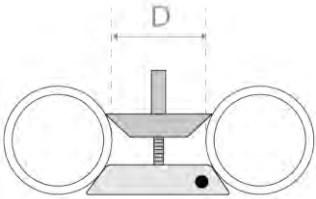
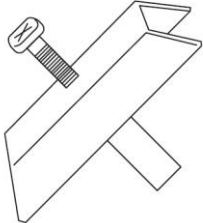
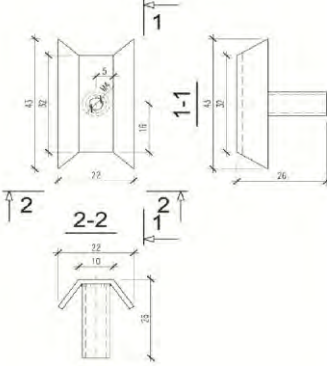
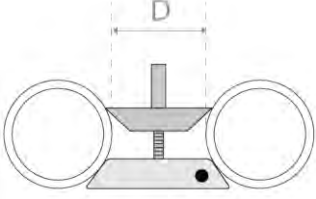
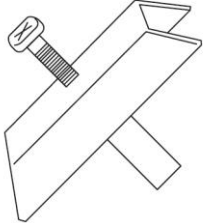
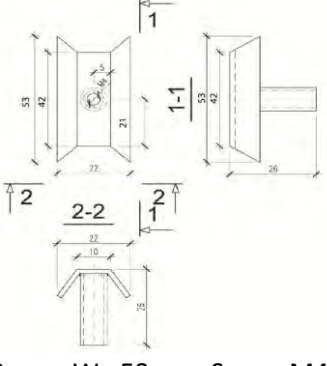
 Ribbed – Radiatore con <i>diaframma</i>	 25 mm<D<33 mm	 BRR1-23	 H=22 mm, W=35mm, Screw M4-30
 Ribbed – Radiatore con <i>diaframma</i>	 34 mm<D<41 mm	 BRR1-32	 H=22 mm, W= 43mm, Screw M4-30
 Ribbed – Radiatore con <i>diaframma</i>	 44 mm<D<51 mm	 BRR1-42	 H=22 mm, W= 53mm, Screw M4-30

 Ribbed - Radiatore con diaframma	 25 mm<D<33 mm	 BRR1-23	 H=22 mm, W= 35mm, Screw M4-30
 Ribbed - Radiatore con diaframma	 34 mm<D<41 mm	 BRR1-32	 H=22 mm, W= 43mm, Screw M4-30
 Ribbed - Radiatore con diaframma	 44 mm<D<51 mm	 BRR1-42	 H=22 mm, W= 53mm, Screw M4-30

 Tubular - <i>Tubolare</i> H < 1,2 m	 D=45/46 mm	 BRR1-32	 H=22 mm, W= 43mm, Screw M4-30
 Tubular - <i>Tubolare</i> H > 1200 mm	 D=45/46 mm	 BRR4-67	 H=11mm, W= 67 mm, Screw M4-30
 Plate Radiator- <i>Radiatore a Piastre</i>	 3 mm < D < 10 mm	 BRR3-32	 H=16 mm, W=25-37, Screw M3-30

 Plate Radiator- <i>Radiator a Piastre</i>	 $3\text{ mm} < D < 10\text{ mm}$	Threaded stud M3-10 mm + BRR 3-32 Prigioniero filettato M3-10 mm + BRR 3-32  STEP 1 STEP 2 STEP 3 	
 Lamellar - <i>Lamellare</i>	 $24\text{ mm} < D < 42\text{ mm}$	 BRRx-xx	 H=25 mm, W= 22mm, Screw M4-30
 Panel – striped surface <i>A Pannello - superficie rigata</i>	WELDING Saldatura  BONDING Incollaggio 	Threaded weld stud M3-10 mm + BRR6 Prigionieri a saldare M3-10 mm + BRR6 STEP 1 STEP 2 STEP 3  STEP 1 STEP 2  Loctite 330 and activator loctite 7388 +BRR5 Loctite 330 ed attivatore loctite 7388 +BRR5	

 Panel – smooth surface <i>A pannello – superficie liscia</i>	 Welding or Bonding <i>Saldatura o incollaggio</i>	Threaded weld stud M3-10 mm + BRR6 Prigionieri a saldare M3-10 mm + BRR6 STEP 1  STEP 2  STEP 3  STEP 1  STEP 2  Loctite 330 and attivatore loctite 7388 +BRR5 Loctite 330 ed attivatore loctite 7388 +BRR5		
 Heated towel rail <i>Termoarredo- Scaldasalviette</i>	 $53 > D + 2 \text{diam}$	 BRR2-50	 H=18 mm, W=55 mm, Screw M4-30	
	 D=45-46	 BRR4-67	 H=11mm, W= 67 mm, Screw M4-30	

 Heated towel rail <i>Termoarredo- Scaldasalviette</i>	 25 mm<D<33 mm	 BRR1-23	 H=22 mm, W= 35mm, Screw M4-30
	 34 mm<D<41 mm	 BRR1-32	 H=22 mm, W= 43mm, Screw M4-30
	 44 mm<D<51 mm	 BRR1-42	 H=22 mm, W= 53mm, Screw M4-30

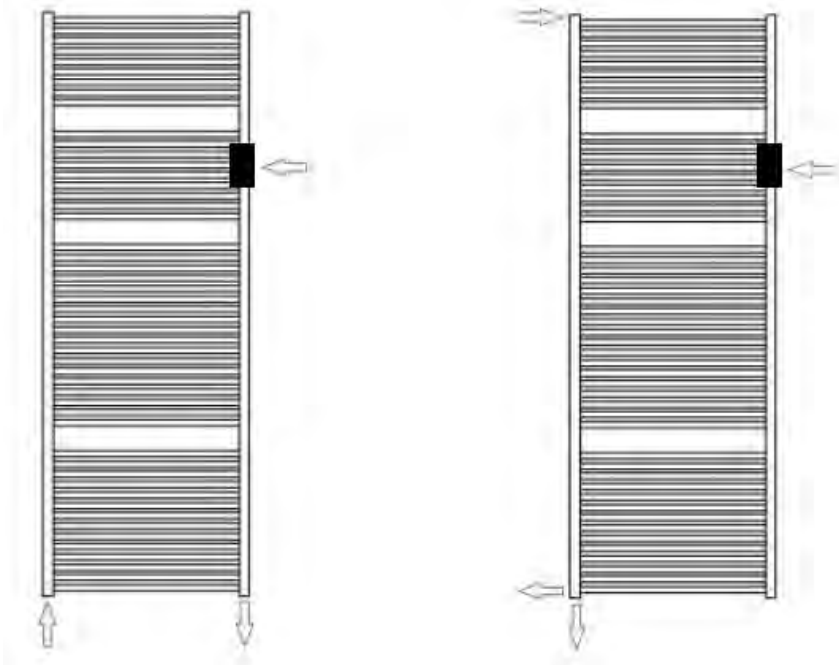
Heat cost allocator mounting on the Heated towel rail

You can proceed both with:

- **Welding or bonding** directly on the cooler part of the heated towel rail, keeping the heat cost allocator in vertical position;
- **Mounting with bracket** between the horizontal elements. In this case the heat cost allocator must be installed in horizontal position as close as possible to the cooler part of the radiator

In both cases you must install the sensor-holder plate at 66% or 75% of the total height of the radiator.

The allocator should then be installed on the wall, as previously described.



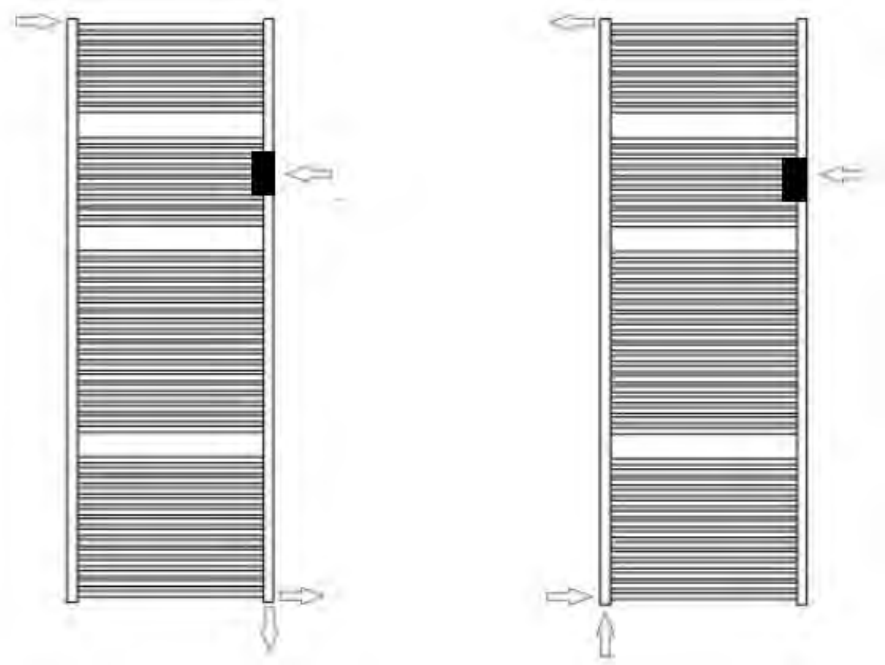
Montaggio ripartitore su termoarredo/scaldasalviette

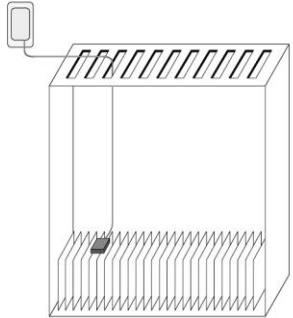
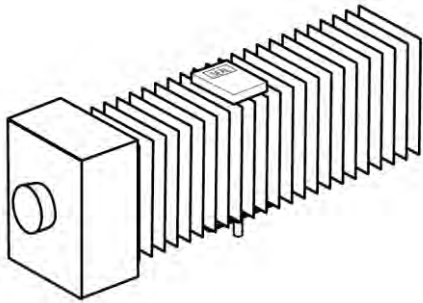
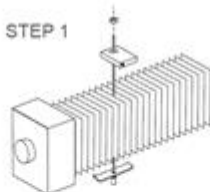
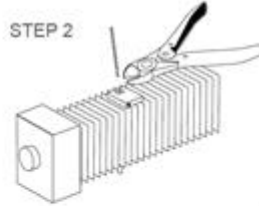
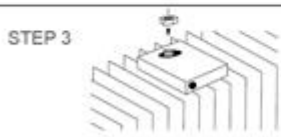
E' possibile procedere per:

- **Saldatura o incollaggio** direttamente sul montante più freddo dello scaldasalviette tenendo la piastrina porta sonda in posizione verticale;
- **Fissaggio con staffa** tra gli elementi orizzontali, la piastrina porta sonda in questo caso va installata in posizione orizzontale il più vicino possibile al montante più freddo.

In entrambi i casi, la piastrina porta sonda va installato al 66% o al 75% dell'altezza totale del radiatore.

Il ripartitore andrà poi montato a muro, come precedentemente descritto.



Heater type - Tipologia di radiatore	Installation - Installazione	Mounting kit + mounting procedure - Kit di fissaggio + procedura montaggio
 Convactor Convettore		Threaded stud* M4 + BRR 2-50 + M4 nut Barra filettata* M4 + BRR 2-50 + dado M4 STEP 1  STEP 2  STEP 3  Apply SEAL sticker covering the nut Applicare il sigillo adesivo coprendo il dado STEP 4  *not supplied – *non fornita

Heat cost allocator mounting on the convector

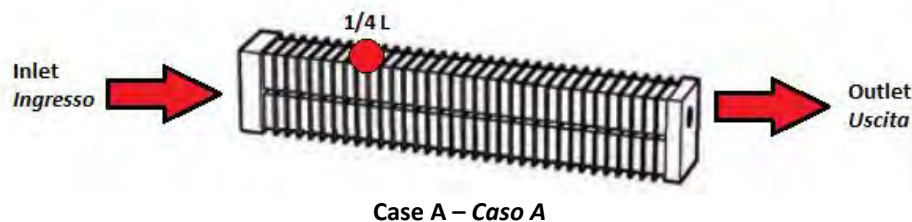
On the convectors, you can install the allocators with external sensor only. Here below you can see the main installation positions:

Case A:

When the inlet and the outlet are located to the opposite sides of the convector, install the sensor-holder plate at 1/4 of the total width of the convector, starting from the inlet point.

Case B:

When the inlet and the outlet are located to the same side, the sensor holder plate must be installed in the middle of the convector width.



Montaggio ripartitore su termoconvettore

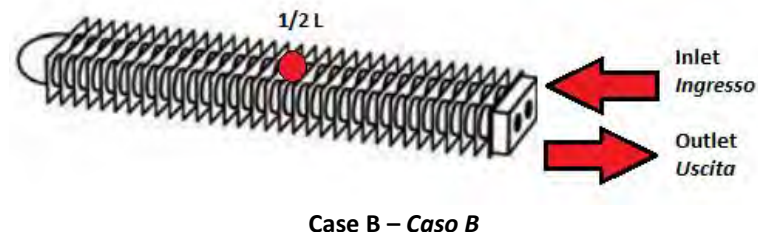
Sui termoconvettori è necessario installare il ripartitore con sonda esterna soltanto. Di seguito vengono indicate le posizioni di montaggio principali:

Caso A:

Nel caso in cui ingresso ed uscita siano ai due capi opposti del convettore, installare la piastrina porta sonda ad 1/4 della larghezza del convettore partendo dal punto d'ingresso.

Caso B:

Nel caso di ingresso ed uscita nello stesso capo, la piastrina porta sonda va installata nella metà della larghezza del convettore.

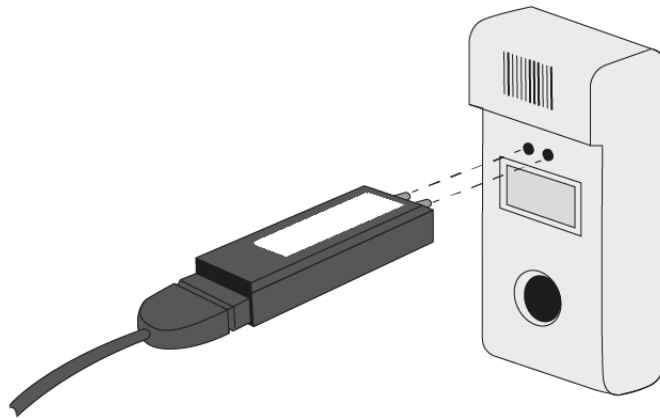


Heat cost allocator configuration

To configure the heat cost allocator, it is necessary to use the optical dongle OPTO-USB and the Hydroclima software.

For the complete instructions on the software use, please refer to the Hydroclima Software Manual.

In order to transfer the configuration to the HCA, place the OPTO-USB on the optical interface of the device as shown in the picture below:



Configurazione ripartitore dei costi di calore

Per configurare il ripartitore è necessario utilizzare la chiavetta ottica OPTO-USB e il software Hydroclima.

Per le istruzioni complete relative all'utilizzo del software fare riferimento al Manuale Software Hydroclima.

Per trasmettere la configurazione al ripartitore, posizionare la OPTO-USB sull'interfaccia ottica del dispositivo come mostrato in figura:

