

*Good climate,
better performance!*

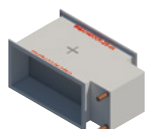
CHAPTER 6

POST-HEATERS/POST-COOLERS

Chapter 6 - Post-heaters/Post-coolers



AH-R
 Duct heater
 Round
 Warm water
 Airtightness EN 1751
 LUKA D/ATC 2



AH-K
 Duct heater
 Rectangular
 Warm water
 Airtightness EN 1751
 LUKA C/ATC 3

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AC-R
 Duct cooler
 Round
 Cold water
 Airtightness EN 1751
 LUKA D/ATC 2

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AC-K
 Duct cooler
 Rectangular
 Cold water
 Airtightness EN 1751
 LUKA C/ATC 3

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AH-R

Duct heater

Round

Warm water

Airtightness EN 1751 LUKA D/ATC 2

Use

The AH-R- post-heater has been designed to be built into the duct system. The post-heater can be combined with a VVOO variable volume unit or a VCMH constant volume unit. See the relevant documentation for the details of these units.

Characteristics

- The AH-R- post-heater is available in various versions.
- The connection diameters range from D = 98 mm to D = 628 mm.
- It is suitable for HT ranges, such as 80 - 60 °C, and LT ranges, such as 45 - 35 °C.
- The airtightness of the post-heater complies with EN 1751 LUKA D ATC 2.

Version

housing:	sendzimir galvanised steel sheet
air connection:	round in accordance with DIN 24145 and Eurovent, 'safe' rubber seal
water connection:	male thread (depending on the selection)
headers:	copper
fins:	aluminium flat
maximum operating pressure:	10 bar
test pressure:	16 bar

Drainage and bleeding option.

SA-Select

Check [SA-select](#) to create extended order codes and selection details online. **NBI** At this moment, SA-Select is only available in Dutch. But it is possible to create extended order codes and selection details online.

Available types

A H - R R - 25 - -

- A** duct accessory
- H** warm-water heat exchanger

- **Version**

- 2** 2 rows
- 3** 3 rows
- 4** 4 rows
- 5** 5 rows
- 6** 6 rows

R primary round air connection

R secondary round air connection

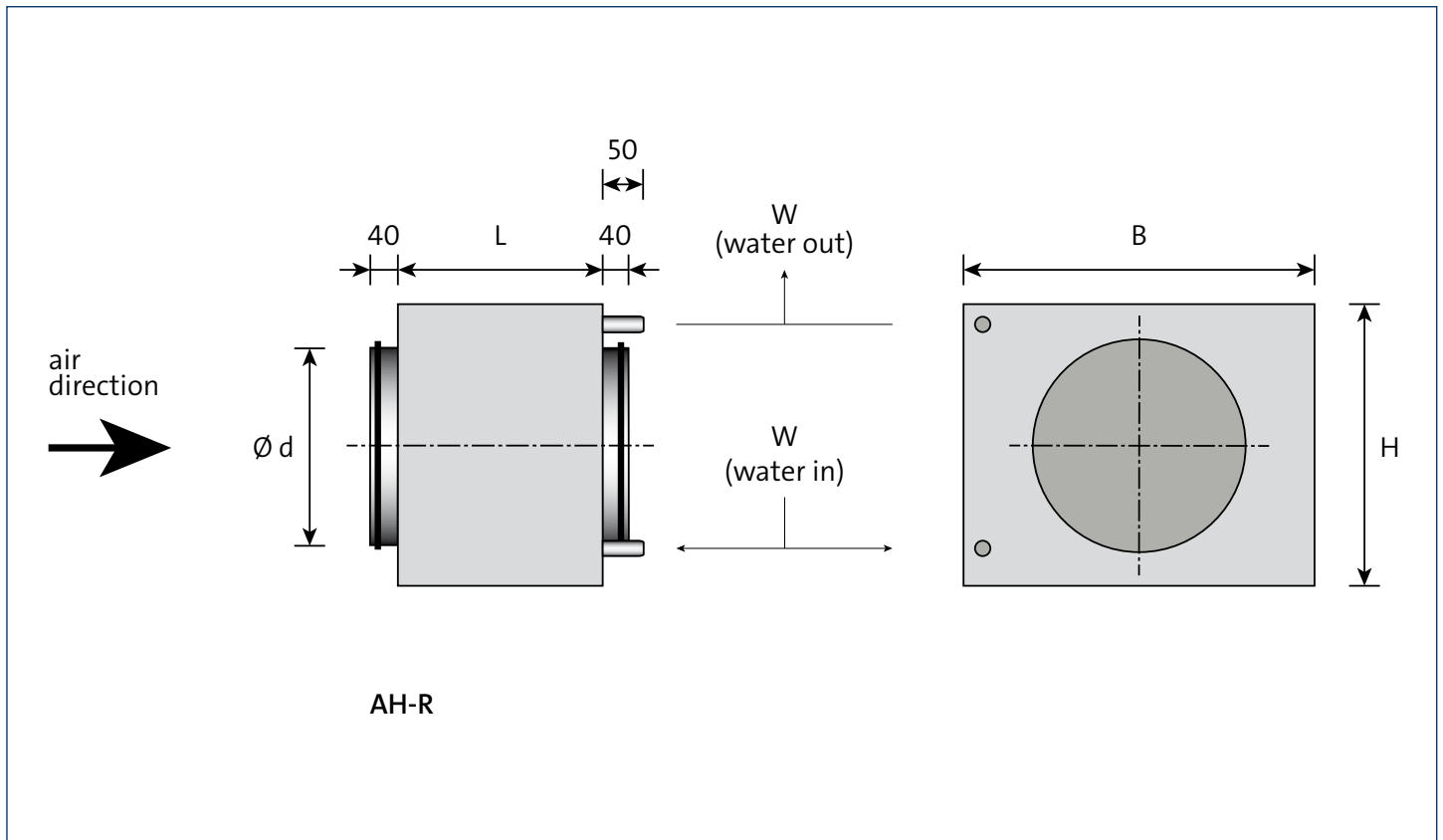
- **Water connection**

- R** water connection right (standard)
- L** water connection left (on request)

25 fin distance is 2.5 mm

- number of circuits
- model

Dimensions



Available dimensions

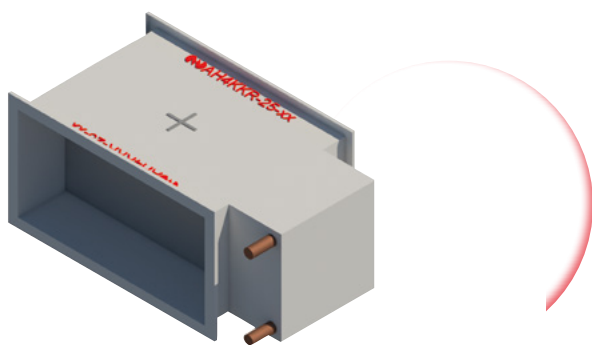
model	D	B	H	L ≤ 4 rows	L 5 - 10 rows	W
100	98	226	130	350	400	water con- nection male thread (depend- ing on the selection 1/2" - 1 1/4")
125	123	251	155	350	400	
160	158	301	205	350	400	
200	198	351	255	350	400	
250	248	401	305	350	400	
315	313	501	405	350	400	
400	398	601	505	350	400	
500	498	701	605	350	400	
630	629	801	730	350	400	

Fitting

- When you fit the post-heater, take note of the arrows for air direction and water in/out.
- Make sure the bleed nipple is easily accessible.

Note

- The listed dimensions are in mm.
- The velocity over the finned surface is up to approx. 2.3 m/s.



AH-K

Duct heater

Rectangular

Warm water

Airtightness EN 1751 LUKA C/ATC 3

Use

The AH-K warm-water post-heater has been designed to be built into rectangular duct systems with DW20 or DW30 flanges, depending on the duct dimensions.

The units can be combined with a VRV variable volume unit or a VCMR constant volume unit. See the relevant pages for the details of these units. The units can also be factory-set as a 3-in-1 solution.

Characteristics

- The AH-K post-heaters are available in various versions.
- The connection dimensions can range from: W x H 200 x 200 mm to 2000 x 1600 mm.
- The post-heaters are available in various versions for HT ranges, such as 80 - 60 °C, and LT ranges, such as 45 - 35 °C.
- The post-heaters comply with LUKA C/ATC 3 in accordance with EN 1751.

Version

housing:	sendzimir galvanised steel sheet
air connection	DW20 or DW30 flanges
water connection:	male thread
headers:	copper
fans:	aluminium flat
flange:	rectangular version in accordance with LUKA
max. operating pressure:	10 bar
test pressure:	16 bar

Drainage and bleeding option.

SA-Select

Check [SA-select](#) to create extended order codes and selection details online. **NB!** At this moment, SA-Select is only available in Dutch. But it is possible to create extended order codes and selection details online.

Available types

A H - K K - 25 - -

- A** duct accessory
- H** warm-water heat exchanger

- Version

- 2** 2 rows
- 3** 3 rows
- 4** 4 rows
- 5** 5 rows
- 6** 6 rows

- K** primary rectangular air connection
- K** secondary rectangular air connection

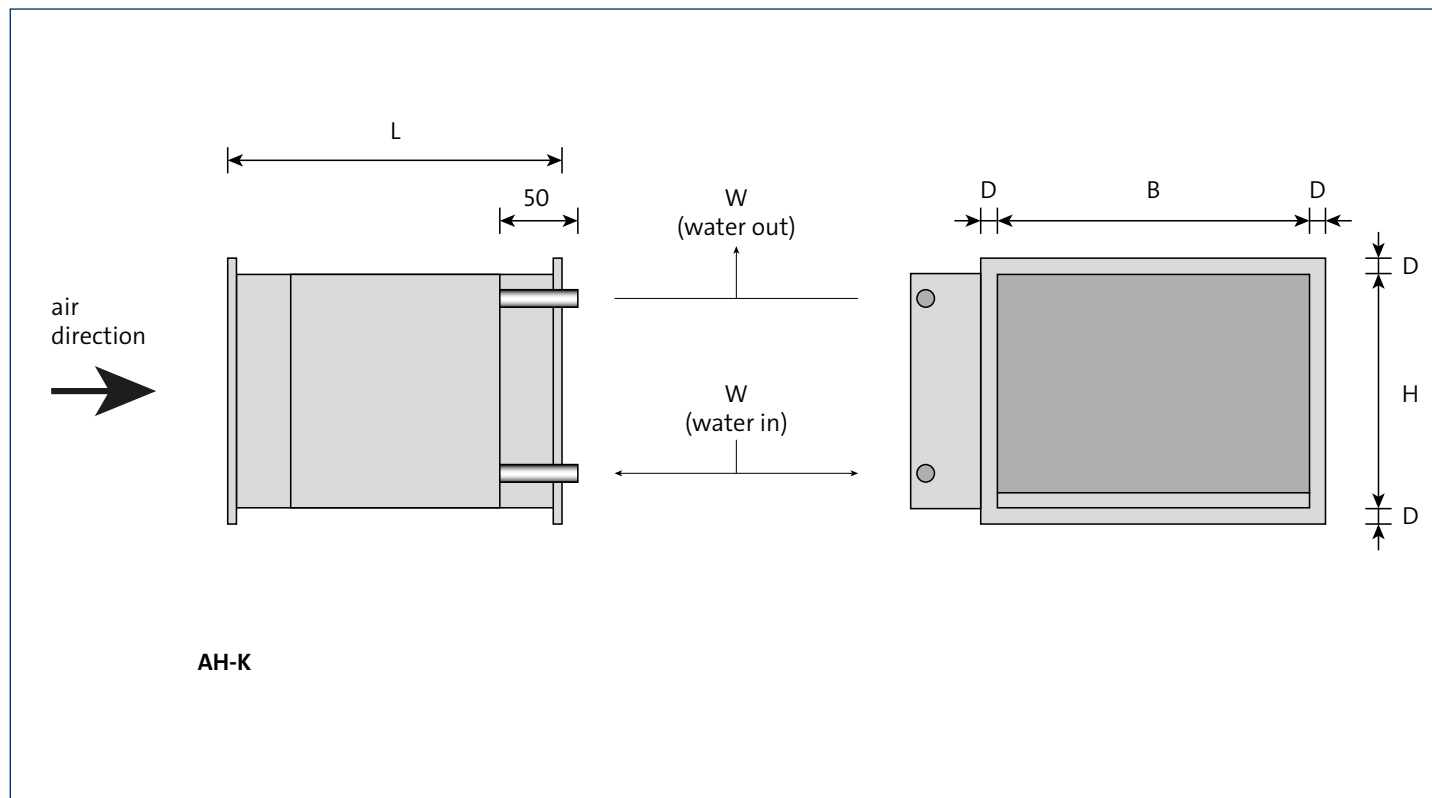
- Water connection

- R** water connection right (standard)
- L** water connection left (on request)

25 fin distance is 2.5 mm

- number of circuits
- dimension W x H

Dimensions



Available dimensions

L	Number of rows
300	≤ 6
400	7-10

Number of circuits	Headers Cu	\varnothing Water
1-7	22	$\frac{1}{2}$ "
8-14	28	$\frac{3}{4}$ "
15-22	35	1"
23-26	42	$1\frac{1}{4}$ "

Flange size D	
W or H to 650 mm	W or H from 700 mm
20	30

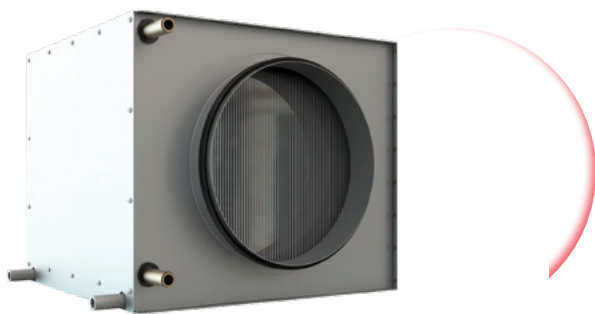
All the interim sizes are available in 50 mm increments.

Note

- The listed dimensions are in mm.
- The velocity over the finned surface is up to approx. 2.3 m/s.

Fitting

- When you fit the post-heater, take note of the arrows for air direction and water in/out.
- Make sure the bleed nipple is easily accessible.



AC-R

Duct cooler , also suitable for
'change over' application

Round

Cold water

Airtightness EN 1751 LUKA D/ATC 2

Use

The AC-R- post-cooler has been designed to be built into the duct system. The post-cooler can also be used as a reheater in a 'change over' application. The post-cooler can be combined with a VVOO variable volume unit or a VCMH constant volume unit. See the relevant documentation for the details of these units.

Characteristics

- The AC-R- post-cooler is available in various versions.
- The connection diameters range from: D = 98 mm to D = 628 mm.
- It is suitable for HT ranges, such as 10 - 16 °C, and LT ranges, such as 6 - 12 °C.
- The airtightness of the post-cooler complies with EN 1751 LUKA D/ATC 2.

Version

housing:	sendzimir galvanised steel sheet
air connection:	round in accordance with DIN 24145 and Eurovent, 'safe' rubber seal
water connection:	male thread (depending on the selection)
condensation discharge:	½" male thread
headers:	copper
fans:	aluminium flat
maximum operating pressure:	10 bar
test pressure:	16 bar

Drainage and bleeding option.

Selection

Consult our sales department for the technical selection of the post-coolers.

Available types

AC - RR - 25 - -

- A** duct accessory
- C** cold-water heat exchanger

- Version

- 2** 2 rows
- 3** 3 rows
- 4** 4 rows
- 5** 5 rows
- 6** 6 rows
- 7** 7 rows
- 8** 8 rows

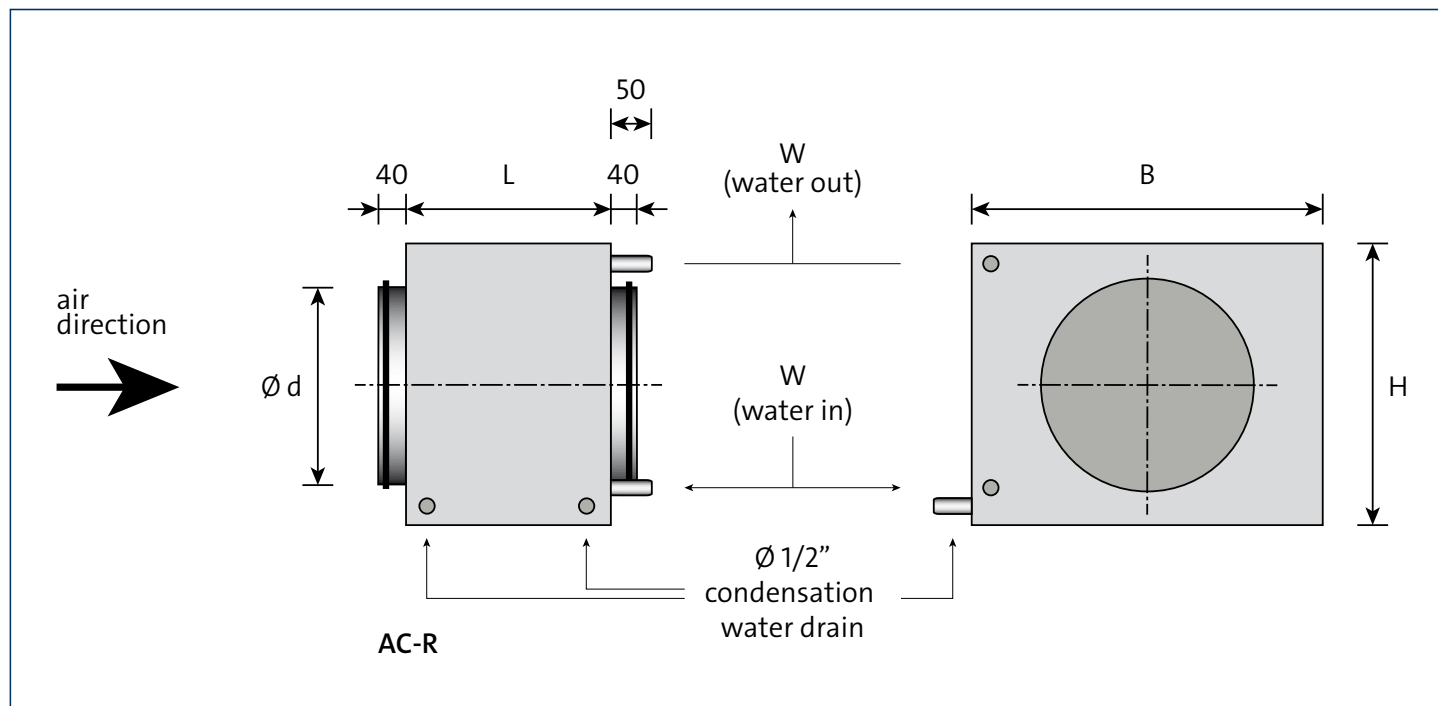
- R** primary round air connection
- R** secondary round air connection

- Water connection

- R** water connection right (standard)
- L** water connection left (on request)

- 25** fin distance is 2.5 mm
- number of circuits
- model

Dimensions



Available dimensions

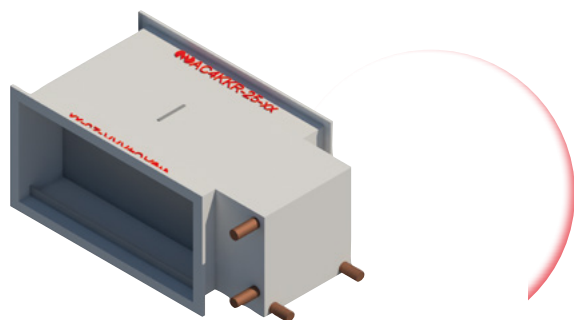
model	D	B	H	L	W	C
100	98	226	157	500	water connection male thread (depending on the selection $\frac{1}{2}'' - 1\frac{1}{4}''$)	condensation discharge male thread $\frac{1}{2}''$
125	123	251	182	500		
160	158	301	232	500		
200	198	351	282	500		
250	248	401	332	500		
315	313	501	432	500		
400	398	601	532	500		
500	498	701	632	500		
630	628	801	732	500		

Fitting

- When you fit the post-cooler, take note of the arrows for air direction and water in/out.
- Make sure the bleed nipple is easily accessible.
- Position the post-cooler in a horizontal position in connection with the drip tray for the condensation water discharge.

Note

- The listed dimensions are in mm.
- The velocity over the finned surface is up to approx. 2.3 m/s.



AC-K

Duct cooler , also suitable for
'change over' application

Rectangular

Cold water

Airtightness EN 1751 LUKA C/ATC 3

Use

The AC-K cold-water post-cooler has been designed to be built into rectangular duct systems with DW20 or DW30 flanges, depending on the duct dimensions. The post-cooler can also be used as a reheater in a 'change over' application. The units can be combined with a VRV variable volume unit or a VCMR constant volume unit. See the relevant pages for the details of these units. The units can also be factory-set as a 3-in-1 solution.

Characteristics

- The AC-K post-coolers are available in various versions.
- The connection dimensions can range from: W x H 200 x 200 mm to 2000 x 1600 mm.
- The post-coolers are available in various versions for HT ranges, such as 10 - 16 °C, and LT ranges, such as 6 - 12 °C.
- The post-coolers comply with LUKA C/ATC 3 in accordance with EN 1751.

Version

housing:	sendzimir galvanised steel sheet
air connection	DW20 or DW30 flanges
water connection:	male thread
condensation discharge:	½" male thread
headers:	copper
fans:	aluminium flat
flange:	rectangular version in accordance with LUKA
max. operating pressure:	10 bar
test pressure:	16 bar

Drainage and bleeding option.

Selection

Consult our sales department for the technical selection of the post-coolers.

Available types

A C - K K - 25 - -

- A** duct accessory
- C** cold-water heat exchanger

- **Version**

- 2** 2 rows
- 3** 3 rows
- 4** 4 rows
- 5** 5 rows
- 6** 6 rows
- 7** 7 rows
- 8** 8 rows

- K** primary rectangular air connection
- K** secondary rectangular air connection

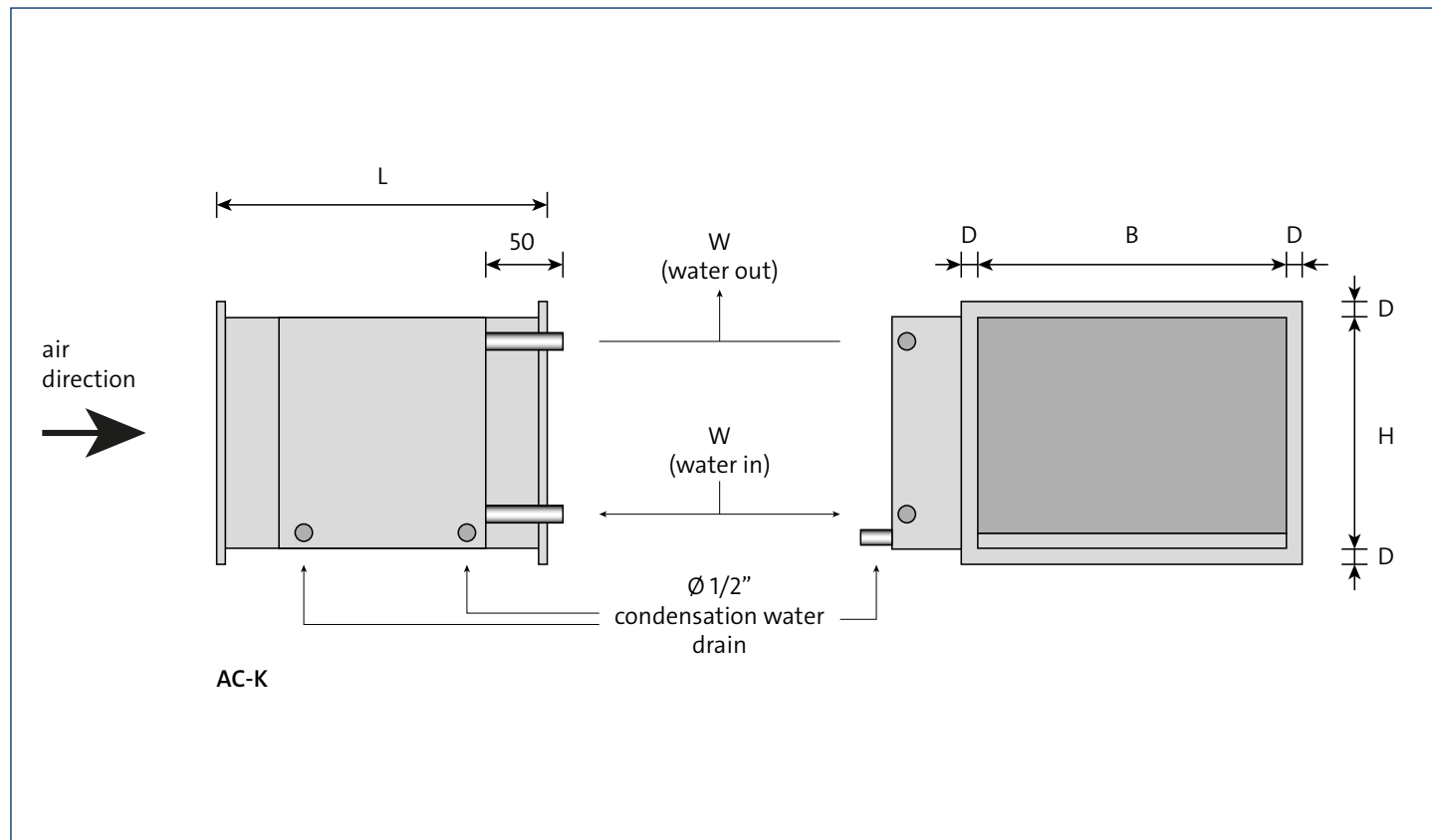
- **Water connection**

- R** water connection right (standard)
- L** water connection left (on request)

25 fin distance is 2.5 mm

- number of circuits
- dimension W x H

Dimensions



Available dimensions

L	Number of rows
400	≤ 6
500	7-10

Number of circuits	Headers Cu	\varnothing Water
1-7	22	$1/2''$
8-14	28	$3/4''$
15-22	35	1"
23-26	42	$1 1/4''$

Flange size D	
W or H to 650 mm	W or H from 700 mm
20	30

All the interim sizes are available in 50 mm increments.

Note

- The listed dimensions are in mm.
- The velocity over the finned surface is up to approx. 2.3 m/s.

Fitting

- When you fit the post-cooler, take note of the arrows for air direction and water in/out.
- Make sure the bleed nipple is easily accessible.
- Position the post-cooler in a horizontal position in connection with the drip tray for the condensation water discharge.