Chapter 6
Post-heaters and post-coolers

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Duct heaters

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Duct heater
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Warm water
Airtightness EN 1751
LUKA D/ATC 2

AH-K 5
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Rectangular
Warm water
Airtightness EN 1751
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Duct coolers

AC-R 7
Duct cooler
Round
Cold water
Airtightness EN 1751
LUKA D/ATC 2

AC-K 9
Duct cooler
Rectangular
Cold water
Airtightness EN 1751
LUKA C/ATC 3

AH-R

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

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 (automatically follows from selection)
01 1 circuit
02 2 circuits
03 3 circuits
etc.

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.

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.

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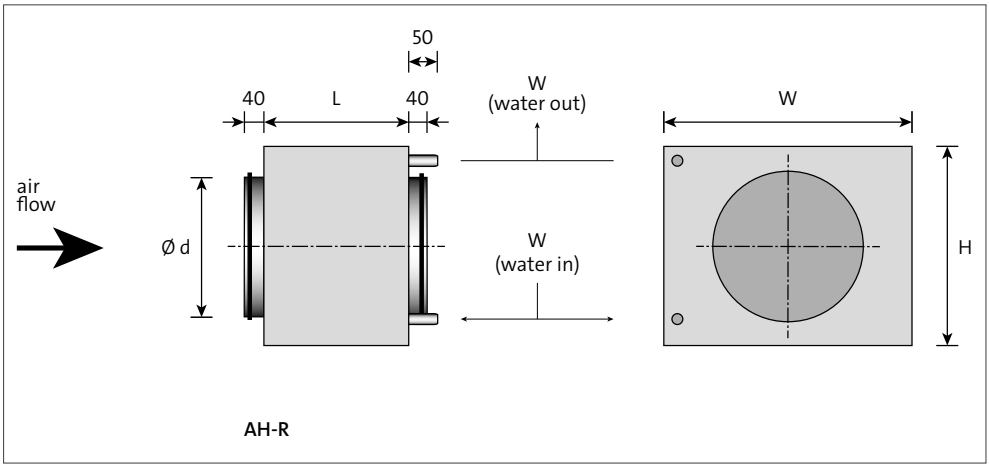
Dimensions



AH-R

6

Available dimensions

model	D	W	H	L ≤ 4 rows	L 5 - 10 rows
100	98	226	130	350	400
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

numbers of circuits	Headers Cu	Ø Water	DN
1 - 7	22	½ "	DN15
8 - 14	28	¾ "	DN20
15 - 22	35	1 "	DN25
23 - 26	42	1¼ "	DN32

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.

Water quality

We recommend studying our document 'Solid Air recommendations for water fed systems and waterquality'.

AH-K

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

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 (automatically follows from selection)**
01 1 circuit
02 2 circuits
03 3 circuits
etc.

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.

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 a ccordance with EN 1751.

Version

Housing:	sendzimir galvanised steel sheet
Air connection	DW20 or DW30 flanges
Water connection:	male thread
Headers:	copper
Fins:	aluminium flat
Flange:	rectangular version in accordance with LUKA
Max. operating pressure:	10 bar
Test pressure:	16 bar

Drainage and bleeding option.

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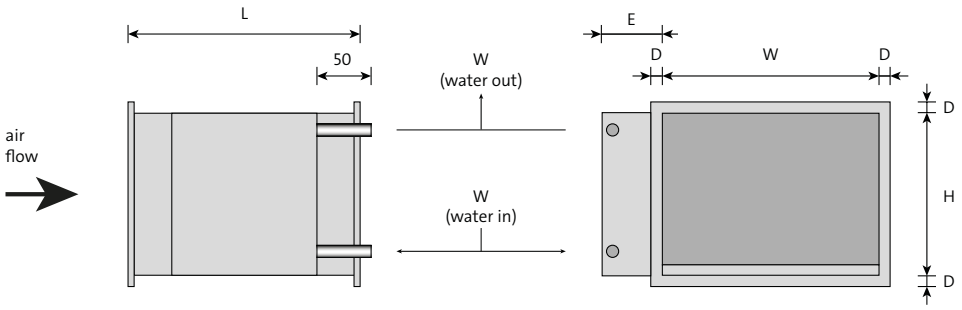
Dimensions



AC-K

Available dimensions

number of rows	L
≤ 6	**300**
7 - 10	**400**

numbers of circuits	Headers Cu	Ø Water	DN
1 - 7	22	½ "	DN15
8 - 14	28	¾ "	DN20
15 - 22	35	1 "	DN25
23 - 26	42	1 ¼ "	DN32

Flange size D		
W or H ≤ 650 mm	**W or H ≥ 700 mm**	**E**
20	30	DN + 90

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.

Water quality

We recommend studying our document 'Solid Air recommendations for water fed systems and waterquality'.

2025_06_v2

AC-R

Duct cooler , also suitable for 'change over' application
Round
Cold water
Airtightness EN 1751 LUKA D/ATC 2

Available types
A C - R R - -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 (automatically follows from selection)**
01 1 circuit
02 2 circuits
03 3 circuits
etc.

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

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.

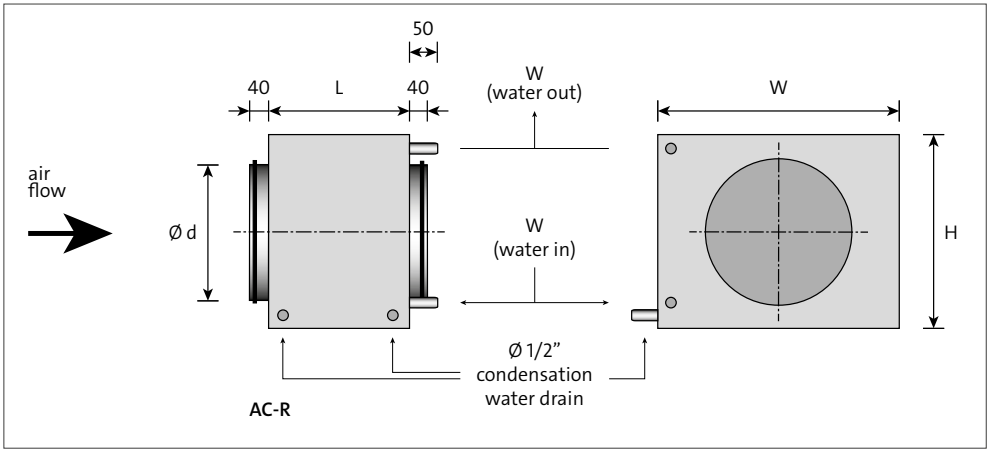
Version

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
Fins:	aluminium flat
Maximum operating pressure:	10 bar
Test pressure:	16 bar

Drainage and bleeding option.

2025_06_v1

Dimensions



Available dimensions

model	D	B	H	L (number of rows ≤ 10)
100	98	226	157	500
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

numbers of circuits	Headers Cu	Ø Water	DN
1 - 7	22	½ "	DN15
8 - 14	28	¾ "	DN20
15 - 22	35	1 "	DN25
23 - 26	42	1¼ "	DN32

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.

Water quality

We recommend studying our document 'Solid Air recommendations for water fed systems and waterquality'.

AC-K

Duct cooler , also suitable for 'change over' application
Rectangular
Cold water
Airtightness EN 1751 LUKA C/ATC 3

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 (follows automatically from selection)**
01 1 circuit
02 2 circuits
03 3 circuits
etc.

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

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.

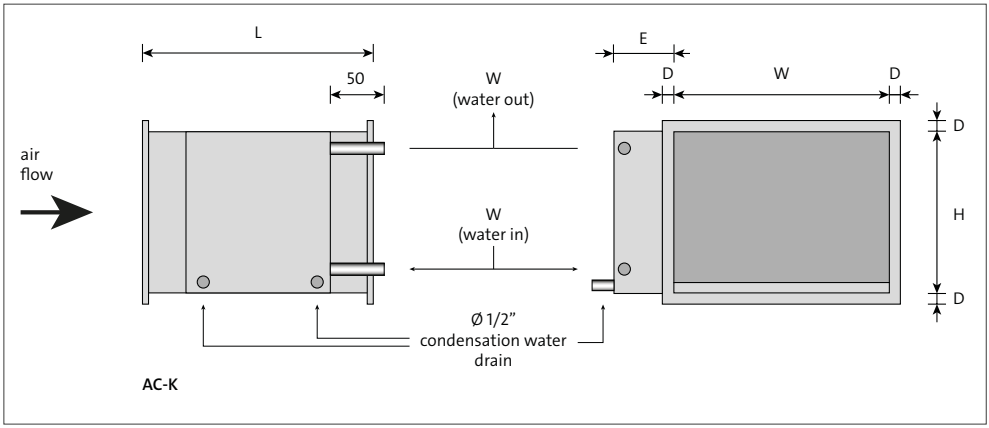
Version

Housing:	sendzimir galvanised steel
Sheet	
Air connection	DW20 or DW30 flanges
Water connection:	male thread
Condensation discharge:	½" male thread
Headers:	copper
Fins:	aluminium flat
Flange:	rectangular version in accordance with LUKA
Max. operating pressure:	10 bar
Test pressure:	16 bar

Drainage and bleeding option.

2025_06_v3

Dimensions



Available dimensions

number of rows	L
≤ 6	**400**
7 - 10	**500**

number of circuits	Headers Cu	Ø Water	DN
1 - 7	22	½ "	DN15
8 - 14	28	¾ "	DN20
15 - 22	35	1 "	DN25
23 - 26	42	1¼ "	DN32

numbers of circuits	Headers Cu	Ø Water	DN
1 - 7	22	½ "	DN15
8 - 14	28	¾ "	DN20
15 - 22	35	1 "	DN25
23 - 26	42	1¼ "	DN32

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.

Water quality

We recommend studying our document 'Solid Air recommendations for water fed systems and waterquality'.