

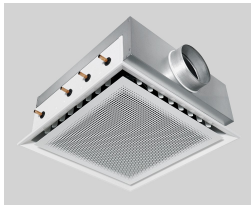
Project Structure

Parter	- - - - -	
Pom. 0.2	- - - - -	DID614-2-S1-R-A2/598x598-123/LE
Pom. 0.7	- - - - -	DID614-2-S1-R-A2/598x598-123/LE
Pom. 0.8	- - - - -	DID614-4-S1-R-A2/1198x598-123/LE
Pom. 0.9	- - - - -	DID614-4-S1-R-A2/1198x598-123/LE
Pom. 0.10	- - - - -	DID614-4-S1-R-A2/1198x598-123/LE
Pom. 0.11	- - - - -	DID614-4-S1-R-A2/1198x598-123/LE
Pom. 0.12	- - - - -	DID614-4-S1-R-A2/598x598-123/LE
Pom. 0.13	- - - - -	DID614-4-S1-R-A2/1198x598-123/LE
Pom. 0.17	- - - - -	DID614-2-HE-R-A2/598x598-123/LE
Pom. 0.18	- - - - -	DID614-4-S1-R-A2/1198x598-123/LE
Pom. 0.19	- - - - -	DID614-4-S1-R-A2/1198x598-123/LE
Pom. 0.20	- - - - -	DID614-4-S1-R-A2/1198x598-123/LE
Pom. 0.21	- - - - -	DID614-4-S1-R-A2/1198x598-123/LE
Pom. 0.23	- - - - -	DID614-4-S1-R-A2/1198x598-123/LE
Pom. 0.24	- - - - -	DID614-4-S1-R-A2/1198x598-123/LE
Pom. 0.25	- - - - -	DID614-4-HE-R-A2/1198x598-123/LE
Pom. 0.26	- - - - -	DID614-4-HE-R-A2/1198x598-123/LE
Pom. 0.27	- - - - -	DID614-4-S1-R-A2/1198x598-123/LE
Pom. 0.28	- - - - -	DID614-4-S1-R-A2/1198x598-123/LE
Pietro I	- - - - -	
Pom. 1.1	- - - - -	DID614-2-S1-R-A2/1198x598-123/LE
Pom. 1.8	- - - - -	DID614-4-S1-R-A2/1198x598-123/LE
Pom. 1.9	- - - - -	DID614-4-S1-R-A2/1198x598-123/LE
Pom. 1.10	- - - - -	DID614-4-S1-R-A2/1198x598-123/LE
Pom. 1.11	- - - - -	DID614-4-S1-R-A2/1198x598-123/LE
Pom. 1.13	- - - - -	DID614-4-S1-R-A2/1198x598-123/LE
Pom. 1.14 ; 1.15	- - - - -	DID614-4-S1-R-A2/1198x598-123/LE
Pom. 1.16	- - - - -	DID614-4-S1-R-A2/1198x598-123/LE
Pom. 1.19	- - - - -	DID614-4-S1-R-A2/1198x598-123/LE
Pietro II	- - - - -	
Pom. 2.1; 2.9; 2.22	- - - - -	DID614-2-S1-R-A2/1198x598-123/LE
Pom. 2.6	- - - - -	DID614-4-S1-R-A2/1198x598-123/LE
Pom. 2.7	- - - - -	DID614-4-S1-R-A2/1198x598-123/LE
Pom. 2.8	- - - - -	DID614-2-S1-R-A2/1198x598-123/LE
Pom. 2.10	- - - - -	DID614-4-S1-R-A2/1198x598-123/LE
Pom. 2.11	- - - - -	DID614-4-S1-R-A2/1198x598-123/LE
Pom. 2.12	- - - - -	DID614-4-S1-R-A2/1198x598-123/LE

Project Structure

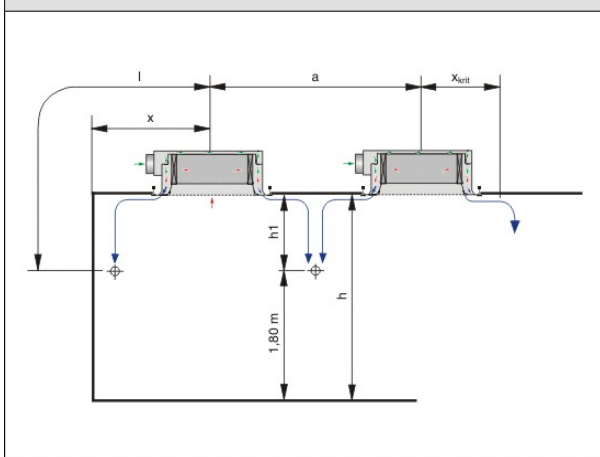
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Pom. 2.17	- - - - -	DID614-4-S1-R-A2/1198x598-123/LE
Pom. 2.18	- - - - -	DID614-4-S1-R-A2/1198x598-123/LE
Pom. 2.19	- - - - -	DID614-4-S1-R-A2/1198x598-123/LE
Pom. 2.20	- - - - -	DID614-4-S1-R-A2/1198x598-123/LE
Pom. 2.21	- - - - -	DID614-4-S1-R-A2/1198x598-123/LE
Pom. 2.24	- - - - -	DID614-2-S1-R-A2/598x598-123/LE
Pom. 2.25	- - - - -	DID614-4-S1-R-A2/1198x598-123/LE
Pom. 2.26	- - - - -	DID614-4-S1-R-A2/1198x598-123/LE

DID614-2-S1-R-A2/598x598-123/LE



Heatexchanger	2	2-Pipes
Nozzles	S1	Standard, small
Waterconnectionposition	R	Right side
Waterconnection	A2	With G½ union nut and flat seal
Size	598x598	598 x 598 (nominal size 600 x 600)
Spigot diameter	123	123 mm
Adjustable air control blades	LE	With adjustable air control blades
Total amount	4	

Functional diagram



Aerodynamic Data

Primary air volume flow (V_{PR})	75 m³/h
LE angle	0°
Air velocity at H1 (v_{H1})	0,29 m/s
Temperature difference at H1 (t_{H1})	-1,0 K
Air velocity at L (v_L)	0,35 m/s
Temperature difference at L (t_L)	-1,2 K

A = 3,00 m, H1 = 1,20 m, L = 4,20 m, X = 3,00 m

Performance data

Temperatur primary air (t_{VPR})	20,0 °C
Temperatur water supply (t_{WS})	40,0 °C
Water volume flow (V_W)	133 l/h
Reference temperature (t_R)	20,0 °C
Humidity ()	50 %
Total thermal capacity ($Q_{ges.}$)	767 W
Water capacity ($Q_{sec.}$)	767 W
Water pressure drop (p_W)	1,6 kPa
Water return temp.-diff. (t_{WR})	-5,0 K

Heating

20,0 °C
40,0 °C
133 l/h
20,0 °C
50 %
767 W
767 W
1,6 kPa
-5,0 K

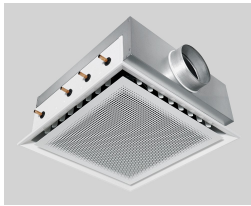
Acoustic Data

P_t	85	Pa
L_{WA}	30	dB(A)
L_{WNC}	25	

Description

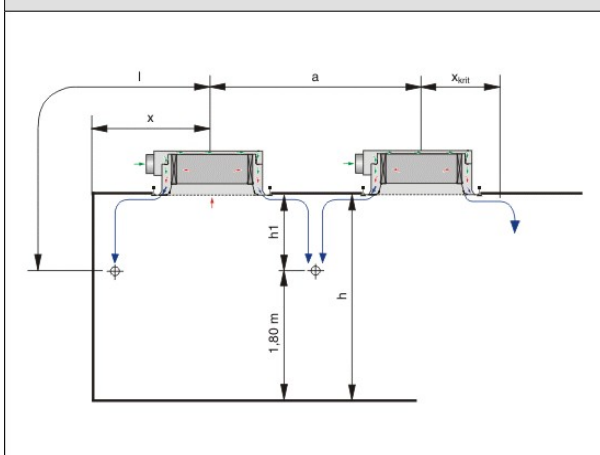
Active chilled beams of Type DID614, with fourway air discharge and high thermal output, for air-water systems. For installation flush with the ceiling, preferably in rooms with a height up to 4.20 m. The units consist of a casing with suspension points, a spigot, non-combustible nozzles, and a horizontal heat exchanger. Five nozzle variants to optimise induction based on demand.

DID614-2-S1-R-A2/598x598-123/LE



Heatexchanger	2	2-Pipes
Nozzles	S1	Standard, small
Waterconnectionposition	R	Right side
Waterconnection	A2	With G½ union nut and flat seal
Size	598x598	598 x 598 (nominal size 600 x 600)
Spigot diameter	123	123 mm
Adjustable air control blades	LE	With adjustable air control blades
Total amount	1	

Functional diagram



Aerodynamic Data

Primary air volume flow (V_{Pr})	75 m³/h
LE angle	0°
Air velocity at H1 (v_{H1})	0,29 m/s
Temperature difference at H1 (t_{H1})	-1,0 K
Air velocity at L (v_L)	0,35 m/s
Temperature difference at L (t_L)	-1,2 K

A = 3,00 m, H1 = 1,20 m, L = 4,20 m, X = 3,00 m

Performance data

Temperatur primary air (t_{VPr})	20,0 °C
Temperatur water supply (t_{WS})	40,0 °C
Water volume flow (V_W)	133 l/h
Reference temperature (t_R)	20,0 °C
Humidity ()	50 %
Total thermal capacity ($Q_{ges.}$)	767 W
Water capacity ($Q_{sec.}$)	767 W
Water pressure drop (p_W)	1,6 kPa
Water return temp.-diff. (t_{WR})	-5,0 K

Heating

20,0 °C
40,0 °C
133 l/h
20,0 °C
50 %
767 W
767 W
1,6 kPa
-5,0 K

Acoustic Data

P_t	85	Pa
L_{WA}	30	dB(A)
L_{WNC}	25	

Description

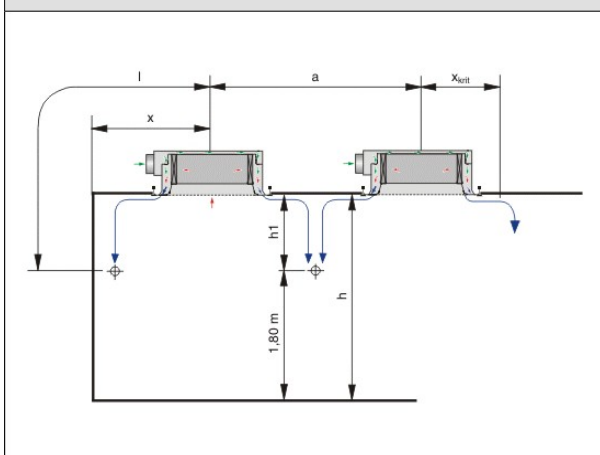
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DID614-4-S1-R-A2/1198x598-123/LE



Heatexchanger	4	4-Pipes
Nozzles	S1	Standard, small
Waterconnectionposition	R	Right side
Waterconnection	A2	With G½ union nut and flat seal
Size	1198x598	1198 x 598 (nominal size 1200 x 600)
Spigot diameter	123	123 mm
Adjustable air control blades	LE	With adjustable air control blades
Total amount	2	

Functional diagram



Aerodynamic Data

Primary air volume flow (V_{Pr})	90 m³/h
LE angle	0°
Air velocity at H1 (v_{H1})	0,26 m/s
Temperature difference at H1 (t_{H1})	-1,0 K
Air velocity at L (v_L)	0,33 m/s
Temperature difference at L (t_L)	-1,3 K

A = 3,00 m, H1 = 1,20 m, L = 4,20 m, X = 3,00 m

Performance data

Temperatur primary air (t_{VP_r})	18,0 °C
Temperatur water supply (t_{WS})	16,0 °C
Water volume flow (V_W)	100 l/h
Reference temperature (t_R)	26,0 °C
Humidity ()	45 %
Total thermal capacity ($Q_{ges.}$)	-705 W
Water capacity ($Q_{sec.}$)	-464 W
Water pressure drop (p_W)	2,5 kPa
Water return temp.-diff. (t_{WR})	4,0 K
Dew point (t_{DP})	13,2 °C

Cooling Heating

18,0 °C	20,0 °C
16,0 °C	40,0 °C
100 l/h	76 l/h
26,0 °C	20,0 °C
45 %	50 %
-705 W	439 W
-464 W	439 W
2,5 kPa	0,3 kPa
4,0 K	-5,0 K
13,2 °C	

Acoustic Data

P_t	53	Pa
L_{WA}	24	dB(A)
L_{WNC}	17	

Description

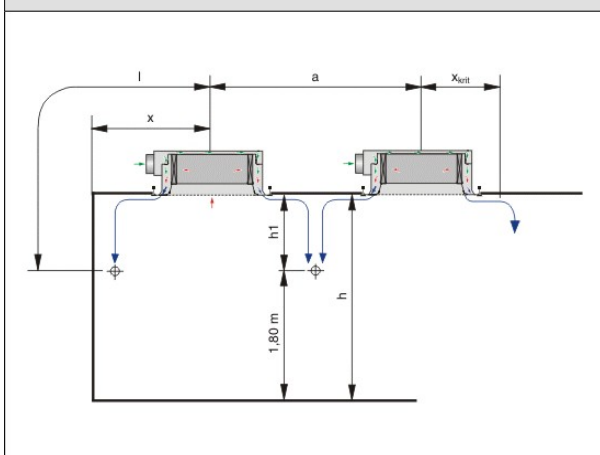
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DID614-4-S1-R-A2/1198x598-123/LE



Heatexchanger	4	4-Pipes
Nozzles	S1	Standard, small
Waterconnectionposition	R	Right side
Waterconnection	A2	With G½ union nut and flat seal
Size	1198x598	1198 x 598 (nominal size 1200 x 600)
Spigot diameter	123	123 mm
Adjustable air control blades	LE	With adjustable air control blades
Total amount	2	

Functional diagram



Aerodynamic Data

Primary air volume flow (V_{Pr})	90 m³/h
LE angle	0°
Air velocity at H1 (v_{H1})	0,26 m/s
Temperature difference at H1 (t_{H1})	-1,0 K
Air velocity at L (v_L)	0,33 m/s
Temperature difference at L (t_L)	-1,3 K

A = 3,00 m, H1 = 1,20 m, L = 4,20 m, X = 3,00 m

Performance data

	Cooling	Heating
Temperatur primary air (t_{VP_r})	18,0 °C	20,0 °C
Temperatur water supply (t_{WS})	16,0 °C	40,0 °C
Water volume flow (V_W)	100 l/h	76 l/h
Reference temperature (t_R)	26,0 °C	20,0 °C
Humidity ()	45 %	50 %
Total thermal capacity ($Q_{ges.}$)	-705 W	439 W
Water capacity ($Q_{sec.}$)	-464 W	439 W
Water pressure drop (p_W)	2,5 kPa	0,3 kPa
Water return temp.-diff. (t_{WR})	4,0 K	-5,0 K
Dew point (t_{DP})	13,2 °C	

Acoustic Data

P_t	53	Pa
L_{WA}	24	dB(A)
L_{WNC}	17	

Description

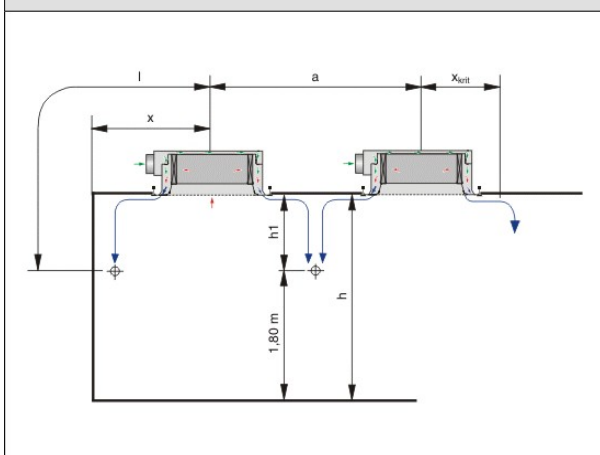
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DID614-4-S1-R-A2/1198x598-123/LE



Heatexchanger	4	4-Pipes
Nozzles	S1	Standard, small
Waterconnectionposition	R	Right side
Waterconnection	A2	With G½ union nut and flat seal
Size	1198x598	1198 x 598 (nominal size 1200 x 600)
Spigot diameter	123	123 mm
Adjustable air control blades	LE	With adjustable air control blades
Total amount	2	

Functional diagram



Aerodynamic Data

Primary air volume flow (V_{Pr})	90 m³/h
LE angle	0°
Air velocity at H1 (v_{H1})	0,26 m/s
Temperature difference at H1 (t_{H1})	-1,0 K
Air velocity at L (v_L)	0,33 m/s
Temperature difference at L (t_L)	-1,3 K

A = 3,00 m, H1 = 1,20 m, L = 4,20 m, X = 3,00 m

Performance data

Temperatur primary air (t_{VP_r})	18,0 °C
Temperatur water supply (t_{WS})	16,0 °C
Water volume flow (V_W)	100 l/h
Reference temperature (t_R)	26,0 °C
Humidity ()	45 %
Total thermal capacity ($Q_{ges.}$)	-705 W
Water capacity ($Q_{sec.}$)	-464 W
Water pressure drop (p_W)	2,5 kPa
Water return temp.-diff. (t_{WR})	4,0 K
Dew point (t_{DP})	13,2 °C

Cooling Heating

18,0 °C	20,0 °C
16,0 °C	40,0 °C
100 l/h	76 l/h
26,0 °C	20,0 °C
45 %	50 %
-705 W	439 W
-464 W	439 W
2,5 kPa	0,3 kPa
4,0 K	-5,0 K
13,2 °C	

Acoustic Data

P_t	53	Pa
L_{WA}	24	dB(A)
L_{WNC}	17	

Description

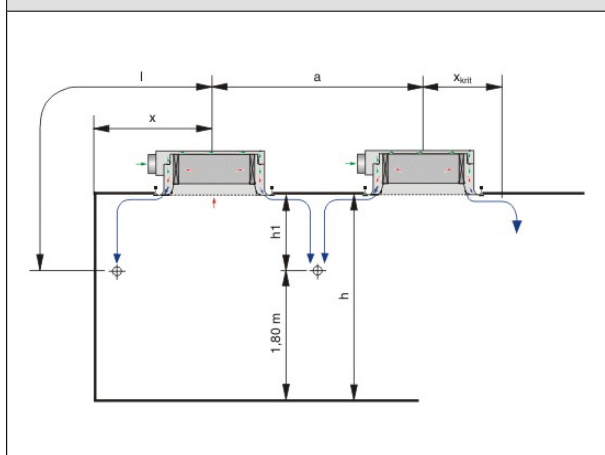
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DID614-4-S1-R-A2/1198x598-123/LE



Heatexchanger	4	4-Pipes
Nozzles	S1	Standard, small
Waterconnectionposition	R	Right side
Waterconnection	A2	With G½ union nut and flat seal
Size	1198x598	1198 x 598 (nominal size 1200 x 600)
Spigot diameter	123	123 mm
Adjustable air control blades	LE	With adjustable air control blades
Total amount	2	

Functional diagram



Aerodynamic Data

Primary air volume flow (V_{Pr})	90 m³/h
LE angle	0°
Air velocity at H1 (v_{H1})	0,26 m/s
Temperature difference at H1 (t_{H1})	-1,0 K
Air velocity at L (v_L)	0,33 m/s
Temperature difference at L (t_L)	-1,3 K

A = 3,00 m, H1 = 1,20 m, L = 4,20 m, X = 3,00 m

Performance data

Temperatur primary air (t_{VP_r})	18,0 °C
Temperatur water supply (t_{WS})	16,0 °C
Water volume flow (V_W)	100 l/h
Reference temperature (t_R)	26,0 °C
Humidity ()	45 %
Total thermal capacity ($Q_{ges.}$)	-705 W
Water capacity ($Q_{sec.}$)	-464 W
Water pressure drop (p_W)	2,5 kPa
Water return temp.-diff. (t_{WR})	4,0 K
Dew point (t_{DP})	13,2 °C

Cooling Heating

18,0 °C	20,0 °C
16,0 °C	40,0 °C
100 l/h	76 l/h
26,0 °C	20,0 °C
45 %	50 %
-705 W	439 W
-464 W	439 W
2,5 kPa	0,3 kPa
4,0 K	-5,0 K
13,2 °C	

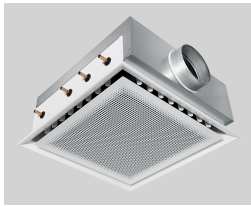
Acoustic Data

P_t	53	Pa
L_{WA}	24	dB(A)
L_{WNC}	17	

Description

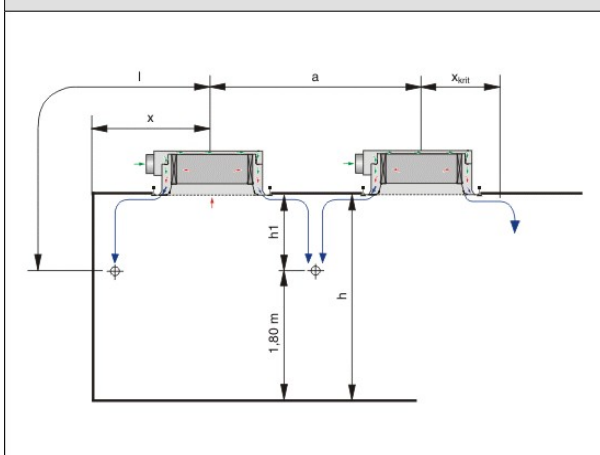
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DID614-4-S1-R-A2/598x598-123/LE



Heatexchanger	4	4-Pipes
Nozzles	S1	Standard, small
Waterconnectionposition	R	Right side
Waterconnection	A2	With G½ union nut and flat seal
Size	598x598	598 x 598 (nominal size 600 x 600)
Spigot diameter	123	123 mm
Adjustable air control blades	LE	With adjustable air control blades
Total amount	2	

Functional diagram



Aerodynamic Data

Primary air volume flow (V_{PR})	70 m³/h
LE angle	0°
Air velocity at H1 (v_{H1})	0,26 m/s
Temperature difference at H1 (t_{H1})	-0,8 K
Air velocity at L (v_L)	0,33 m/s
Temperature difference at L (t_L)	-1,0 K

A = 3,00 m, H1 = 1,20 m, L = 4,20 m, X = 3,00 m

Performance data

Temperatur primary air (t_{VPR})	18,0 °C
Temperatur water supply (t_{WS})	16,0 °C
Water volume flow (V_W)	65 l/h
Reference temperature (t_R)	26,0 °C
Humidity ()	45 %
Total thermal capacity ($Q_{ges.}$)	-490 W
Water capacity ($Q_{sec.}$)	-302 W
Water pressure drop (p_W)	0,4 kPa
Water return temp.-diff. (t_{WR})	4,0 K
Dew point (t_{DP})	13,2 °C

Cooling Heating

18,0 °C	20,0 °C
16,0 °C	40,0 °C
65 l/h	43 l/h
26,0 °C	20,0 °C
45 %	50 %
-490 W	249 W
-302 W	249 W
0,4 kPa	0,0 kPa
4,0 K	-5,0 K
13,2 °C	

Acoustic Data

P_t	74	Pa
L_{WA}	28	dB(A)
L_{WNC}	23	

Description

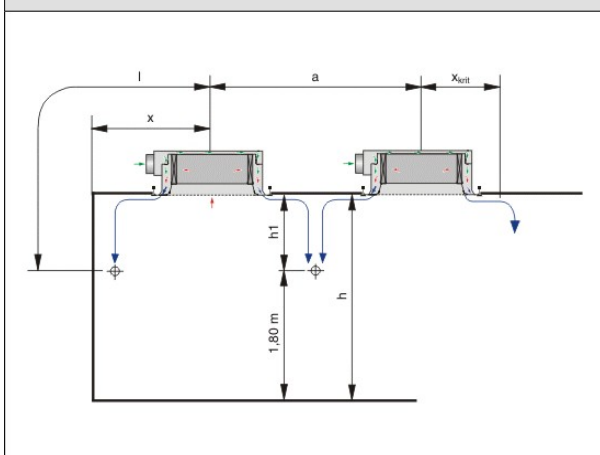
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DID614-4-S1-R-A2/1198x598-123/LE



Heatexchanger	4	4-Pipes
Nozzles	S1	Standard, small
Waterconnectionposition	R	Right side
Waterconnection	A2	With G½ union nut and flat seal
Size	1198x598	1198 x 598 (nominal size 1200 x 600)
Spigot diameter	123	123 mm
Adjustable air control blades	LE	With adjustable air control blades
Total amount	2	

Functional diagram



Aerodynamic Data

Primary air volume flow (V_{Pr})	95 m³/h
LE angle	0°
Air velocity at H1 (v_{H1})	0,28 m/s
Temperature difference at H1 (t_{H1})	-1,0 K
Air velocity at L (v_L)	0,35 m/s
Temperature difference at L (t_L)	-1,3 K

A = 3,00 m, H1 = 1,20 m, L = 4,20 m, X = 3,00 m

Performance data

Temperatur primary air (t_{VP_r})	18,0 °C	20,0 °C
Temperatur water supply (t_{WS})	16,0 °C	40,0 °C
Water volume flow (V_W)	110 l/h	80 l/h
Reference temperature (t_R)	26,0 °C	20,0 °C
Humidity ()	45 %	50 %
Total thermal capacity ($Q_{ges.}$)	-762 W	464 W
Water capacity ($Q_{sec.}$)	-508 W	464 W
Water pressure drop (p_W)	2,9 kPa	0,3 kPa
Water return temp.-diff. (t_{WR})	4,0 K	-5,0 K
Dew point (t_{DP})	13,2 °C	

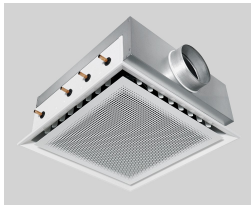
Acoustic Data

P_t	59	Pa
L_{WA}	26	dB(A)
L_{WNC}	19	

Description

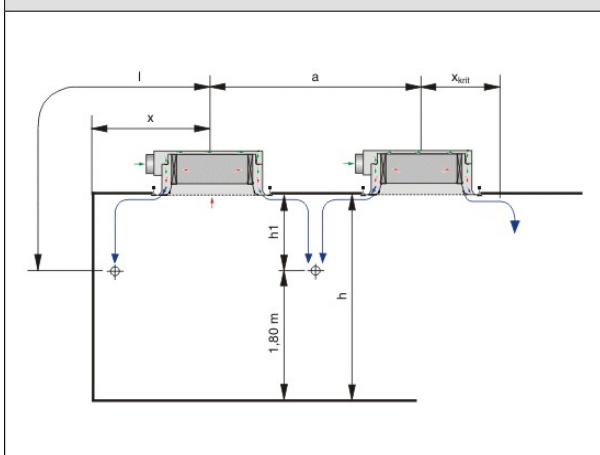
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DID614-2-HE-R-A2/598x598-123/LE



Heatexchanger	2	2-Pipes
Nozzles	HE	High Efficiency
Waterconnectionposition	R	Right side
Waterconnection	A2	With G½ union nut and flat seal
Size	598x598	598 x 598 (nominal size 600 x 600)
Spigot diameter	123	123 mm
Adjustable air control blades	LE	With adjustable air control blades
Total amount	1	

Functional diagram



Aerodynamic Data

Primary air volume flow (V_{PR})	45 m³/h
LE angle	0°
Air velocity at H1 (v_{H1})	0,22 m/s
Temperature difference at H1 (t_{H1})	-0,8 K
Air velocity at L (v_L)	0,28 m/s
Temperature difference at L (t_L)	-1,0 K

A = 3,00 m, H1 = 1,20 m, L = 4,20 m, X = 3,00 m

Performance data

Temperatur primary air (t_{VPR})	20,0 °C
Temperatur water supply (t_{WS})	40,0 °C
Water volume flow (V_W)	110 l/h
Reference temperature (t_R)	20,0 °C
Humidity ()	50 %
Total thermal capacity ($Q_{ges.}$)	639 W
Water capacity ($Q_{sec.}$)	639 W
Water pressure drop (p_W)	1,1 kPa
Water return temp.-diff. (t_{WR})	-5,0 K

Heating

20,0 °C
40,0 °C
110 l/h
20,0 °C
50 %
639 W
639 W
1,1 kPa
-5,0 K

Acoustic Data

P_t	83	Pa
L_{WA}	23	dB(A)
L_{WNC}	17	

Description

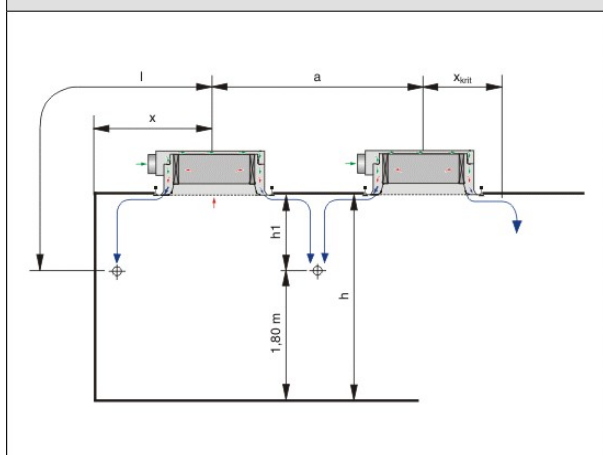
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DID614-4-S1-R-A2/1198x598-123/LE



Heatexchanger	4	4-Pipes
Nozzles	S1	Standard, small
Waterconnectionposition	R	Right side
Waterconnection	A2	With G½ union nut and flat seal
Size	1198x598	1198 x 598 (nominal size 1200 x 600)
Spigot diameter	123	123 mm
Adjustable air control blades	LE	With adjustable air control blades
Total amount	2	

Functional diagram



Aerodynamic Data

Primary air volume flow (V_{Pr})	95 m³/h
LE angle	0°
Air velocity at H1 (v_{H1})	0,28 m/s
Temperature difference at H1 (t_{H1})	-1,0 K
Air velocity at L (v_L)	0,35 m/s
Temperature difference at L (t_L)	-1,3 K

A = 3,00 m, H1 = 1,20 m, L = 4,20 m, X = 3,00 m

Performance data

	Cooling	Heating
Temperatur primary air (t_{VP_r})	18,0 °C	20,0 °C
Temperatur water supply (t_{WS})	16,0 °C	40,0 °C
Water volume flow (V_W)	110 l/h	80 l/h
Reference temperature (t_R)	26,0 °C	20,0 °C
Humidity ()	45 %	50 %
Total thermal capacity ($Q_{ges.}$)	-762 W	464 W
Water capacity ($Q_{sec.}$)	-508 W	464 W
Water pressure drop (p_W)	2,9 kPa	0,3 kPa
Water return temp.-diff. (t_{WR})	4,0 K	-5,0 K
Dew point (t_{DP})	13,2 °C	

Acoustic Data

P_t	59	Pa
L_{WA}	26	dB(A)
L_{WNC}	19	

Description

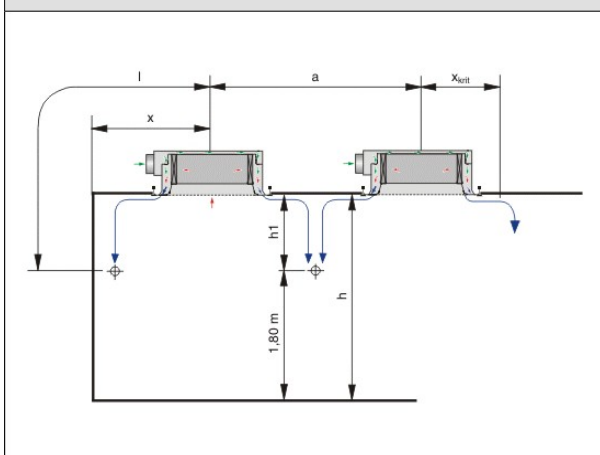
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DID614-4-S1-R-A2/1198x598-123/LE



Heatexchanger	4	4-Pipes
Nozzles	S1	Standard, small
Waterconnectionposition	R	Right side
Waterconnection	A2	With G½ union nut and flat seal
Size	1198x598	1198 x 598 (nominal size 1200 x 600)
Spigot diameter	123	123 mm
Adjustable air control blades	LE	With adjustable air control blades
Total amount	1	

Functional diagram



Aerodynamic Data

Primary air volume flow (V_{Pr})	95 m³/h
LE angle	0°
Air velocity at H1 (v_{H1})	0,28 m/s
Temperature difference at H1 (t_{H1})	-1,0 K
Air velocity at L (v_L)	0,35 m/s
Temperature difference at L (t_L)	-1,3 K

A = 3,00 m, H1 = 1,20 m, L = 4,20 m, X = 3,00 m

Performance data

Temperatur primary air (t_{VP_r})	18,0 °C
Temperatur water supply (t_{WS})	16,0 °C
Water volume flow (V_W)	110 l/h
Reference temperature (t_R)	26,0 °C
Humidity ()	45 %
Total thermal capacity ($Q_{ges.}$)	-762 W
Water capacity ($Q_{sec.}$)	-508 W
Water pressure drop (p_W)	2,9 kPa
Water return temp.-diff. (t_{WR})	4,0 K
Dew point (t_{DP})	13,2 °C

Cooling Heating

18,0 °C	20,0 °C
16,0 °C	40,0 °C
110 l/h	80 l/h
26,0 °C	20,0 °C
45 %	50 %
-762 W	464 W
-508 W	464 W
2,9 kPa	0,3 kPa
4,0 K	-5,0 K
13,2 °C	

Acoustic Data

P_t	59	Pa
L_{WA}	26	dB(A)
L_{WNC}	19	

Description

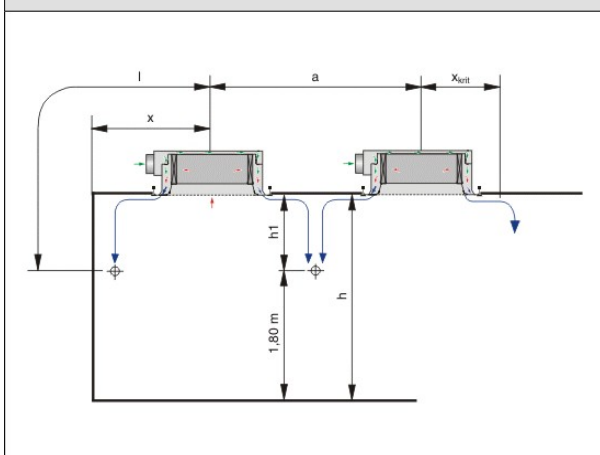
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DID614-4-S1-R-A2/1198x598-123/LE



Heatexchanger	4	4-Pipes
Nozzles	S1	Standard, small
Waterconnectionposition	R	Right side
Waterconnection	A2	With G½ union nut and flat seal
Size	1198x598	1198 x 598 (nominal size 1200 x 600)
Spigot diameter	123	123 mm
Adjustable air control blades	LE	With adjustable air control blades
Total amount	2	

Functional diagram



Aerodynamic Data

Primary air volume flow (V_{Pr})	95 m³/h
LE angle	0°
Air velocity at H1 (v_{H1})	0,28 m/s
Temperature difference at H1 (t_{H1})	-1,0 K
Air velocity at L (v_L)	0,35 m/s
Temperature difference at L (t_L)	-1,3 K

A = 3,00 m, H1 = 1,20 m, L = 4,20 m, X = 3,00 m

Performance data

Temperatur primary air (t_{VP_r})	18,0 °C
Temperatur water supply (t_{WS})	16,0 °C
Water volume flow (V_W)	110 l/h
Reference temperature (t_R)	26,0 °C
Humidity ()	45 %
Total thermal capacity ($Q_{ges.}$)	-762 W
Water capacity ($Q_{sec.}$)	-508 W
Water pressure drop (p_W)	2,9 kPa
Water return temp.-diff. (t_{WR})	4,0 K
Dew point (t_{DP})	13,2 °C

Cooling Heating

18,0 °C	20,0 °C
16,0 °C	40,0 °C
110 l/h	80 l/h
26,0 °C	20,0 °C
45 %	50 %
-762 W	464 W
-508 W	464 W
2,9 kPa	0,3 kPa
4,0 K	-5,0 K
13,2 °C	

Acoustic Data

P_t	59	Pa
L_{WA}	26	dB(A)
L_{WNC}	19	

Description

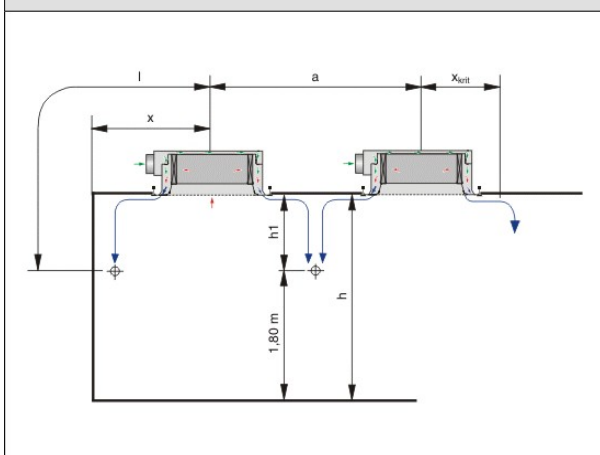
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DID614-4-S1-R-A2/1198x598-123/LE



Heatexchanger	4	4-Pipes
Nozzles	S1	Standard, small
Waterconnectionposition	R	Right side
Waterconnection	A2	With G½ union nut and flat seal
Size	1198x598	1198 x 598 (nominal size 1200 x 600)
Spigot diameter	123	123 mm
Adjustable air control blades	LE	With adjustable air control blades
Total amount	5	

Functional diagram



Aerodynamic Data

Primary air volume flow (V_{Pr})	100 m³/h
LE angle	0°
Air velocity at H1 (v_{H1})	0,30 m/s
Temperature difference at H1 (t_{H1})	-1,0 K
Air velocity at L (v_L)	0,37 m/s
Temperature difference at L (t_L)	-1,3 K

A = 3,00 m, H1 = 1,20 m, L = 4,20 m, X = 3,00 m

Performance data

	Cooling	Heating
Temperatur primary air (t_{VP_r})	18,0 °C	20,0 °C
Temperatur water supply (t_{WS})	16,0 °C	40,0 °C
Water volume flow (V_W)	119 l/h	84 l/h
Reference temperature (t_R)	26,0 °C	20,0 °C
Humidity ()	45 %	50 %
Total thermal capacity ($Q_{ges.}$)	-817 W	487 W
Water capacity ($Q_{sec.}$)	-550 W	487 W
Water pressure drop (p_W)	3,3 kPa	0,3 kPa
Water return temp.-diff. (t_{WR})	4,0 K	-5,0 K
Dew point (t_{DP})	13,2 °C	

Acoustic Data

P_t	65	Pa
L_{WA}	28	dB(A)
L_{WNC}	21	

Description

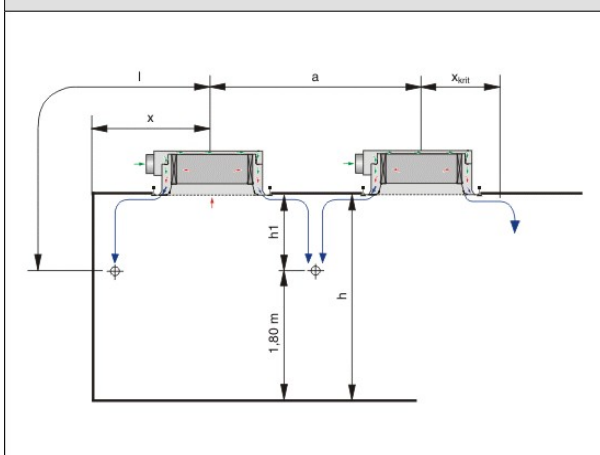
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DID614-4-S1-R-A2/1198x598-123/LE



Heatexchanger	4	4-Pipes
Nozzles	S1	Standard, small
Waterconnectionposition	R	Right side
Waterconnection	A2	With G½ union nut and flat seal
Size	1198x598	1198 x 598 (nominal size 1200 x 600)
Spigot diameter	123	123 mm
Adjustable air control blades	LE	With adjustable air control blades
Total amount	2	

Functional diagram



Aerodynamic Data

Primary air volume flow (V_{Pr})	95 m³/h
LE angle	0°
Air velocity at H1 (v_{H1})	0,28 m/s
Temperature difference at H1 (t_{H1})	-1,0 K
Air velocity at L (v_L)	0,35 m/s
Temperature difference at L (t_L)	-1,3 K

A = 3,00 m, H1 = 1,20 m, L = 4,20 m, X = 3,00 m

Performance data

Temperatur primary air (t_{VP_r})	18,0 °C	20,0 °C
Temperatur water supply (t_{WS})	16,0 °C	40,0 °C
Water volume flow (V_W)	110 l/h	80 l/h
Reference temperature (t_R)	26,0 °C	20,0 °C
Humidity ()	45 %	50 %
Total thermal capacity ($Q_{ges.}$)	-762 W	464 W
Water capacity ($Q_{sec.}$)	-508 W	464 W
Water pressure drop (p_W)	2,9 kPa	0,3 kPa
Water return temp.-diff. (t_{WR})	4,0 K	-5,0 K
Dew point (t_{DP})	13,2 °C	

Acoustic Data

P_t	59	Pa
L_{WA}	26	dB(A)
L_{WNC}	19	

Description

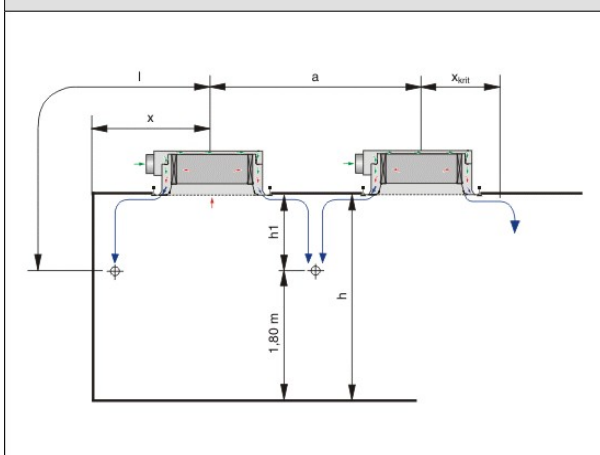
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DID614-4-S1-R-A2/1198x598-123/LE



Heatexchanger	4	4-Pipes
Nozzles	S1	Standard, small
Waterconnectionposition	R	Right side
Waterconnection	A2	With G½ union nut and flat seal
Size	1198x598	1198 x 598 (nominal size 1200 x 600)
Spigot diameter	123	123 mm
Adjustable air control blades	LE	With adjustable air control blades
Total amount	2	

Functional diagram



Aerodynamic Data

Primary air volume flow (V_{Pr})	95 m³/h
LE angle	0°
Air velocity at H1 (v_{H1})	0,28 m/s
Temperature difference at H1 (t_{H1})	-1,0 K
Air velocity at L (v_L)	0,35 m/s
Temperature difference at L (t_L)	-1,3 K

A = 3,00 m, H1 = 1,20 m, L = 4,20 m, X = 3,00 m

Performance data

Temperatur primary air (t_{VP_r})	18,0 °C
Temperatur water supply (t_{WS})	16,0 °C
Water volume flow (V_W)	110 l/h
Reference temperature (t_R)	26,0 °C
Humidity ()	45 %
Total thermal capacity ($Q_{ges.}$)	-762 W
Water capacity ($Q_{sec.}$)	-508 W
Water pressure drop (p_W)	2,9 kPa
Water return temp.-diff. (t_{WR})	4,0 K
Dew point (t_{DP})	13,2 °C

Cooling Heating

18,0 °C	20,0 °C
16,0 °C	40,0 °C
110 l/h	80 l/h
26,0 °C	20,0 °C
45 %	50 %
-762 W	464 W
-508 W	464 W
2,9 kPa	0,3 kPa
4,0 K	-5,0 K
13,2 °C	

Acoustic Data

P_t	59	Pa
L_{WA}	26	dB(A)
L_{WNC}	19	

Description

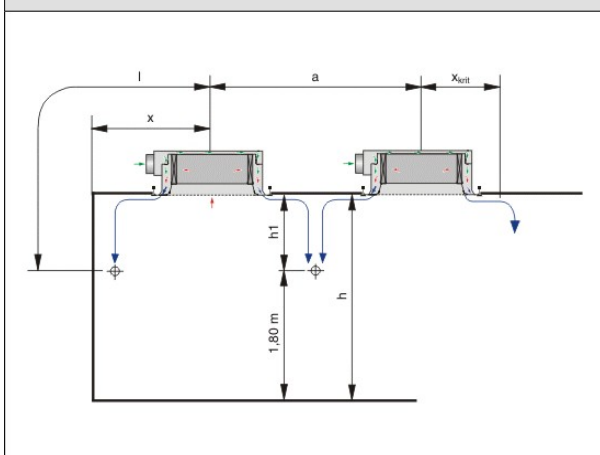
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DID614-4-HE-R-A2/1198x598-123/LE



Heatexchanger	4	4-Pipes
Nozzles	HE	High Efficiency
Waterconnectionposition	R	Right side
Waterconnection	A2	With G½ union nut and flat seal
Size	1198x598	1198 x 598 (nominal size 1200 x 600)
Spigot diameter	123	123 mm
Adjustable air control blades	LE	With adjustable air control blades
Total amount	3	

Functional diagram



Aerodynamic Data

Primary air volume flow (V_{Pr})	75 m³/h
LE angle	0°
Air velocity at H1 (v_{H1})	0,25 m/s
Temperature difference at H1 (t_{H1})	-1,0 K
Air velocity at L (v_L)	0,37 m/s
Temperature difference at L (t_L)	-1,4 K

A = 4,00 m, H1 = 1,20 m, L = 4,20 m, X = 3,00 m

Performance data

Temperatur primary air (t_{VP_r})	18,0 °C
Temperatur water supply (t_{WS})	16,0 °C
Water volume flow (V_W)	122 l/h
Reference temperature (t_R)	26,0 °C
Humidity ()	45 %
Total thermal capacity ($Q_{ges.}$)	-767 W
Water capacity ($Q_{sec.}$)	-566 W
Water pressure drop (p_W)	3,5 kPa
Water return temp.-diff. (t_{WR})	4,0 K
Dew point (t_{DP})	13,2 °C

Cooling Heating

18,0 °C	20,0 °C
16,0 °C	40,0 °C
122 l/h	84 l/h
26,0 °C	20,0 °C
45 %	50 %
-767 W	487 W
-566 W	487 W
3,5 kPa	0,3 kPa
4,0 K	-5,0 K
13,2 °C	

Acoustic Data

P_t	91	Pa
L_{WA}	28	dB(A)
L_{WNC}	21	

Description

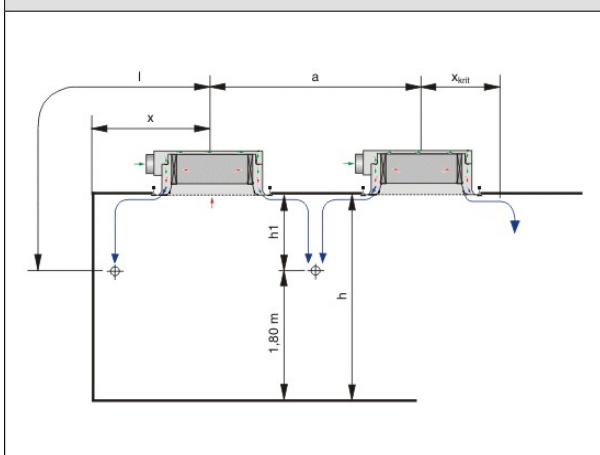
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DID614-4-HE-R-A2/1198x598-123/LE



Heatexchanger	4	4-Pipes
Nozzles	HE	High Efficiency
Waterconnectionposition	R	Right side
Waterconnection	A2	With G½ union nut and flat seal
Size	1198x598	1198 x 598 (nominal size 1200 x 600)
Spigot diameter	123	123 mm
Adjustable air control blades	LE	With adjustable air control blades
Total amount	3	

Functional diagram



Aerodynamic Data

Primary air volume flow (V_{Pr})	75 m³/h
LE angle	0°
Air velocity at H1 (v_{H1})	0,30 m/s
Temperature difference at H1 (t_{H1})	-1,1 K
Air velocity at L (v_L)	0,37 m/s
Temperature difference at L (t_L)	-1,4 K

A = 3,00 m, H1 = 1,20 m, L = 4,20 m, X = 3,00 m

Performance data

Temperatur primary air (t_{VP_r})	18,0 °C
Temperatur water supply (t_{WS})	16,0 °C
Water volume flow (V_W)	122 l/h
Reference temperature (t_R)	26,0 °C
Humidity ()	45 %
Total thermal capacity ($Q_{ges.}$)	-767 W
Water capacity ($Q_{sec.}$)	-566 W
Water pressure drop (p_W)	3,5 kPa
Water return temp.-diff. (t_{WR})	4,0 K
Dew point (t_{DP})	13,2 °C

Cooling Heating

18,0 °C	20,0 °C
16,0 °C	40,0 °C
122 l/h	84 l/h
26,0 °C	20,0 °C
45 %	50 %
-767 W	487 W
-566 W	487 W
3,5 kPa	0,3 kPa
4,0 K	-5,0 K
13,2 °C	

Acoustic Data

P_t	91	Pa
L_{WA}	28	dB(A)
L_{WNC}	21	

Description

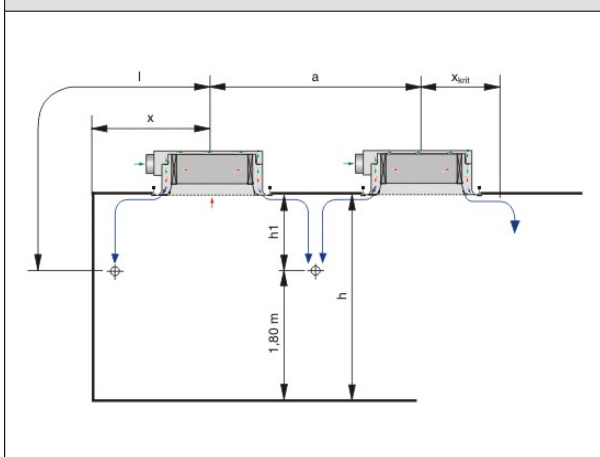
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DID614-4-S1-R-A2/1198x598-123/LE



Heatexchanger	4	4-Pipes
Nozzles	S1	Standard, small
Waterconnectionposition	R	Right side
Waterconnection	A2	With G½ union nut and flat seal
Size	1198x598	1198 x 598 (nominal size 1200 x 600)
Spigot diameter	123	123 mm
Adjustable air control blades	LE	With adjustable air control blades
Total amount	1	

Functional diagram



Aerodynamic Data

Primary air volume flow (V_{Pr})	110 m³/h
LE angle	0°
Air velocity at H1 (v_{H1})	0,28 m/s
Temperature difference at H1 (t_{H1})	-0,9 K
Air velocity at L (v_L)	0,40 m/s
Temperature difference at L (t_L)	-1,2 K

A = 4,00 m, H1 = 1,20 m, L = 4,20 m, X = 3,00 m

Performance data

Temperatur primary air (t_{VP_r})	18,0 °C
Temperatur water supply (t_{WS})	16,0 °C
Water volume flow (V_W)	93 l/h
Reference temperature (t_R)	26,0 °C
Humidity ()	45 %
Total thermal capacity ($Q_{ges.}$)	-846 W
Water capacity ($Q_{sec.}$)	-552 W
Water pressure drop (p_W)	2,4 kPa
Water return temp.-diff. (t_{WR})	5,0 K
Dew point (t_{DP})	13,2 °C

Cooling Heating

18,0 °C	20,0 °C
16,0 °C	40,0 °C
93 l/h	91 l/h
26,0 °C	20,0 °C
45 %	50 %
-846 W	530 W
-552 W	530 W
2,4 kPa	0,4 kPa
5,0 K	-5,0 K
13,2 °C	

Acoustic Data

P_t	79	Pa
L_{WA}	30	dB(A)
L_{WNC}	24	

Description

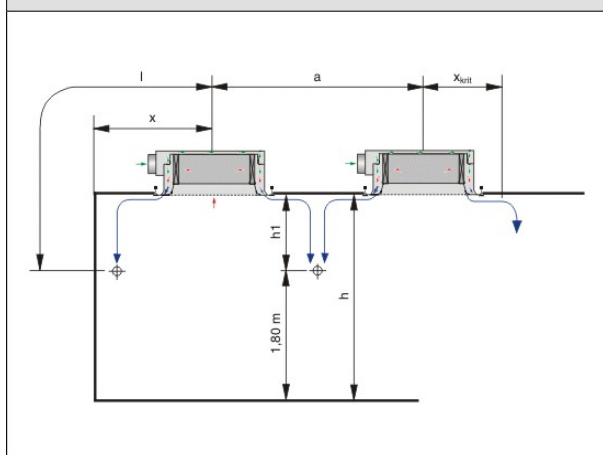
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DID614-4-S1-R-A2/1198x598-123/LE



Heatexchanger	4	4-Pipes
Nozzles	S1	Standard, small
Waterconnectionposition	R	Right side
Waterconnection	A2	With G½ union nut and flat seal
Size	1198x598	1198 x 598 (nominal size 1200 x 600)
Spigot diameter	123	123 mm
Adjustable air control blades	LE	With adjustable air control blades
Total amount	4	

Functional diagram



Aerodynamic Data

Primary air volume flow (V_{Pr})	115 m³/h
LE angle	0°
Air velocity at H1 (v_{H1})	0,30 m/s
Temperature difference at H1 (t_{H1})	-0,9 K
Air velocity at L (v_L)	0,42 m/s
Temperature difference at L (t_L)	-1,2 K

A = 4,00 m, H1 = 1,20 m, L = 4,20 m, X = 3,00 m

Performance data

	Cooling	Heating
Temperatur primary air (t_{VP_r})	18,0 °C	20,0 °C
Temperatur water supply (t_{WS})	16,0 °C	40,0 °C
Water volume flow (V_W)	99 l/h	95 l/h
Reference temperature (t_R)	26,0 °C	20,0 °C
Humidity ()	45 %	50 %
Total thermal capacity ($Q_{ges.}$)	-879 W	549 W
Water capacity ($Q_{sec.}$)	-571 W	549 W
Water pressure drop (p_W)	2,4 kPa	0,4 kPa
Water return temp.-diff. (t_{WR})	5,0 K	-5,0 K
Dew point (t_{DP})	13,2 °C	

Acoustic Data

P_t	86	Pa
L_{WA}	32	dB(A)
L_{WNC}	26	

Description

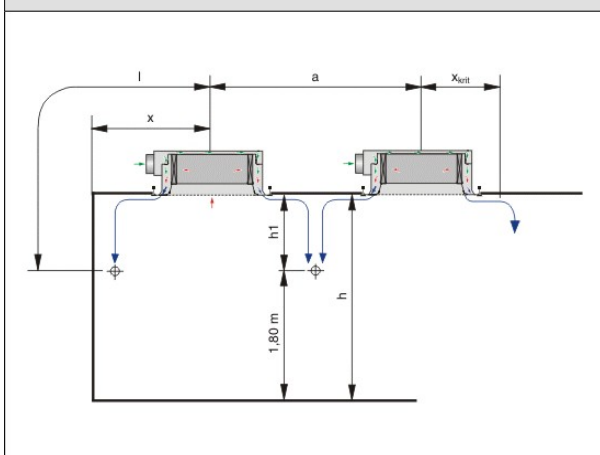
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DID614-2-S1-R-A2/1198x598-123/LE



Heatexchanger	2	2-Pipes
Nozzles	S1	Standard, small
Waterconnectionposition	R	Right side
Waterconnection	A2	With G½ union nut and flat seal
Size	1198x598	1198 x 598 (nominal size 1200 x 600)
Spigot diameter	123	123 mm
Adjustable air control blades	LE	With adjustable air control blades
Total amount	4	

Functional diagram



Aerodynamic Data

Primary air volume flow (V_{Pr})	100 m³/h
LE angle	0°
Air velocity at H1 (v_{H1})	0,30 m/s
Temperature difference at H1 (t_{H1})	-1,3 K
Air velocity at L (v_L)	0,37 m/s
Temperature difference at L (t_L)	-1,7 K

A = 3,00 m, H1 = 1,20 m, L = 4,20 m, X = 3,00 m

Performance data

Temperatur primary air (t_{VPr})	20,0 °C
Temperatur water supply (t_{WS})	40,0 °C
Water volume flow (V_W)	218 l/h
Reference temperature (t_R)	20,0 °C
Humidity ()	50 %
Total thermal capacity ($Q_{ges.}$)	1265 W
Water capacity ($Q_{sec.}$)	1265 W
Water pressure drop (p_W)	8,9 kPa
Water return temp.-diff. (t_{WR})	-5,0 K

Heating

20,0 °C
40,0 °C
218 l/h
20,0 °C
50 %
1265 W
1265 W
8,9 kPa
-5,0 K

Acoustic Data

P_t	65	Pa
L_{WA}	28	dB(A)
L_{WNC}	21	

Description

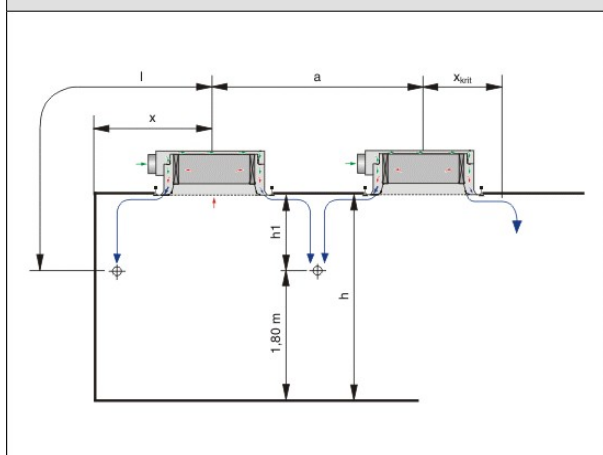
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DID614-4-S1-R-A2/1198x598-123/LE



Heatexchanger	4	4-Pipes
Nozzles	S1	Standard, small
Waterconnectionposition	R	Right side
Waterconnection	A2	With G½ union nut and flat seal
Size	1198x598	1198 x 598 (nominal size 1200 x 600)
Spigot diameter	123	123 mm
Adjustable air control blades	LE	With adjustable air control blades
Total amount	2	

Functional diagram



Aerodynamic Data

Primary air volume flow (V_{Pr})	90 m³/h
LE angle	0°
Air velocity at H1 (v_{H1})	0,26 m/s
Temperature difference at H1 (t_{H1})	-1,0 K
Air velocity at L (v_L)	0,33 m/s
Temperature difference at L (t_L)	-1,3 K

A = 3,00 m, H1 = 1,20 m, L = 4,20 m, X = 3,00 m

Performance data

	Cooling	Heating
Temperatur primary air (t_{VP_r})	18,0 °C	20,0 °C
Temperatur water supply (t_{WS})	16,0 °C	40,0 °C
Water volume flow (V_W)	100 l/h	76 l/h
Reference temperature (t_R)	26,0 °C	20,0 °C
Humidity ()	45 %	50 %
Total thermal capacity ($Q_{ges.}$)	-705 W	439 W
Water capacity ($Q_{sec.}$)	-464 W	439 W
Water pressure drop (p_W)	2,5 kPa	0,3 kPa
Water return temp.-diff. (t_{WR})	4,0 K	-5,0 K
Dew point (t_{DP})	13,2 °C	

Acoustic Data

P_t	53	Pa
L_{WA}	24	dB(A)
L_{WNC}	17	

Description

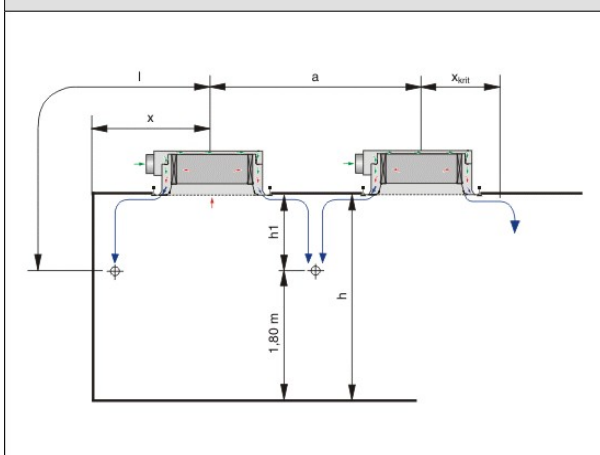
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DID614-4-S1-R-A2/1198x598-123/LE



Heatexchanger	4	4-Pipes
Nozzles	S1	Standard, small
Waterconnectionposition	R	Right side
Waterconnection	A2	With G½ union nut and flat seal
Size	1198x598	1198 x 598 (nominal size 1200 x 600)
Spigot diameter	123	123 mm
Adjustable air control blades	LE	With adjustable air control blades
Total amount	2	

Functional diagram



Aerodynamic Data

Primary air volume flow (V_{Pr})	95 m³/h
LE angle	0°
Air velocity at H1 (v_{H1})	0,28 m/s
Temperature difference at H1 (t_{H1})	-1,0 K
Air velocity at L (v_L)	0,35 m/s
Temperature difference at L (t_L)	-1,3 K

A = 3,00 m, H1 = 1,20 m, L = 4,20 m, X = 3,00 m

Performance data

Temperatur primary air (t_{VP_r})	18,0 °C
Temperatur water supply (t_{WS})	16,0 °C
Water volume flow (V_W)	110 l/h
Reference temperature (t_R)	26,0 °C
Humidity ()	45 %
Total thermal capacity ($Q_{ges.}$)	-762 W
Water capacity ($Q_{sec.}$)	-508 W
Water pressure drop (p_W)	2,9 kPa
Water return temp.-diff. (t_{WR})	4,0 K
Dew point (t_{DP})	13,2 °C

Cooling Heating

18,0 °C	20,0 °C
16,0 °C	40,0 °C
110 l/h	80 l/h
26,0 °C	20,0 °C
45 %	50 %
-762 W	464 W
-508 W	464 W
2,9 kPa	0,3 kPa
4,0 K	-5,0 K
13,2 °C	

Acoustic Data

P_t	59	Pa
L_{WA}	26	dB(A)
L_{WNC}	19	

Description

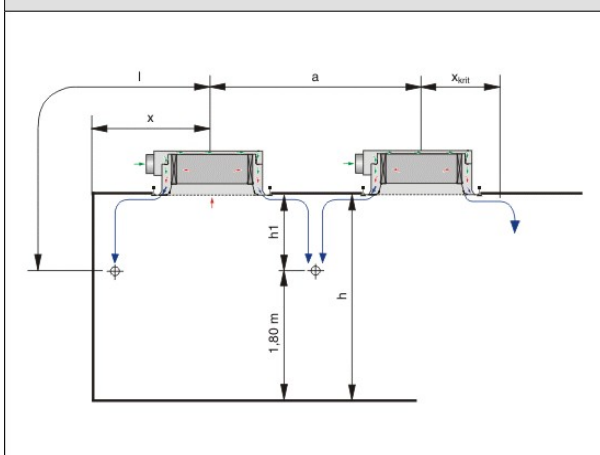
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DID614-4-S1-R-A2/1198x598-123/LE



Heatexchanger	4	4-Pipes
Nozzles	S1	Standard, small
Waterconnectionposition	R	Right side
Waterconnection	A2	With G½ union nut and flat seal
Size	1198x598	1198 x 598 (nominal size 1200 x 600)
Spigot diameter	123	123 mm
Adjustable air control blades	LE	With adjustable air control blades
Total amount	2	

Functional diagram



Aerodynamic Data

Primary air volume flow (V_{Pr})	95 m³/h
LE angle	0°
Air velocity at H1 (v_{H1})	0,28 m/s
Temperature difference at H1 (t_{H1})	-1,0 K
Air velocity at L (v_L)	0,35 m/s
Temperature difference at L (t_L)	-1,3 K

A = 3,00 m, H1 = 1,20 m, L = 4,20 m, X = 3,00 m

Performance data

	Cooling	Heating
Temperatur primary air (t_{VP_r})	18,0 °C	20,0 °C
Temperatur water supply (t_{WS})	16,0 °C	40,0 °C
Water volume flow (V_W)	110 l/h	80 l/h
Reference temperature (t_R)	26,0 °C	20,0 °C
Humidity ()	45 %	50 %
Total thermal capacity ($Q_{ges.}$)	-762 W	464 W
Water capacity ($Q_{sec.}$)	-508 W	464 W
Water pressure drop (p_W)	2,9 kPa	0,3 kPa
Water return temp.-diff. (t_{WR})	4,0 K	-5,0 K
Dew point (t_{DP})	13,2 °C	

Acoustic Data

P_t	59	Pa
L_{WA}	26	dB(A)
L_{WNC}	19	

Description

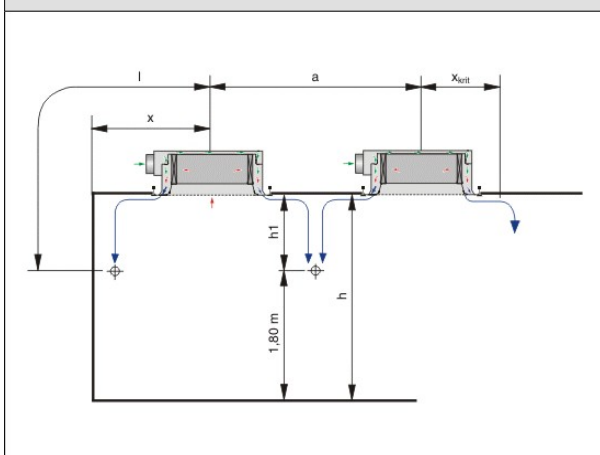
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DID614-4-S1-R-A2/1198x598-123/LE



Heatexchanger	4	4-Pipes
Nozzles	S1	Standard, small
Waterconnectionposition	R	Right side
Waterconnection	A2	With G½ union nut and flat seal
Size	1198x598	1198 x 598 (nominal size 1200 x 600)
Spigot diameter	123	123 mm
Adjustable air control blades	LE	With adjustable air control blades
Total amount	3	

Functional diagram



Aerodynamic Data

Primary air volume flow (V_{Pr})	95 m³/h
LE angle	0°
Air velocity at H1 (v_{H1})	0,28 m/s
Temperature difference at H1 (t_{H1})	-1,0 K
Air velocity at L (v_L)	0,35 m/s
Temperature difference at L (t_L)	-1,3 K

A = 3,00 m, H1 = 1,20 m, L = 4,20 m, X = 3,00 m

Performance data

	Cooling	Heating
Temperatur primary air (t_{VP_r})	18,0 °C	20,0 °C
Temperatur water supply (t_{WS})	16,0 °C	40,0 °C
Water volume flow (V_W)	110 l/h	80 l/h
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Water return temp.-diff. (t_{WR})	4,0 K	-5,0 K
Dew point (t_{DP})	13,2 °C	

Acoustic Data

P_t	59	Pa
L_{WA}	26	dB(A)
L_{WNC}	19	

Description

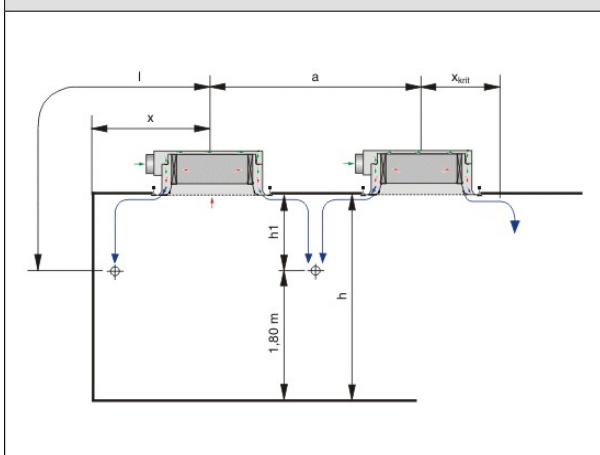
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DID614-4-S1-R-A2/1198x598-123/LE



Heatexchanger	4	4-Pipes
Nozzles	S1	Standard, small
Waterconnectionposition	R	Right side
Waterconnection	A2	With G½ union nut and flat seal
Size	1198x598	1198 x 598 (nominal size 1200 x 600)
Spigot diameter	123	123 mm
Adjustable air control blades	LE	With adjustable air control blades
Total amount	2	

Functional diagram



Aerodynamic Data

Primary air volume flow (V_{Pr})	95 m³/h
LE angle	0°
Air velocity at H1 (v_{H1})	0,28 m/s
Temperature difference at H1 (t_{H1})	-1,0 K
Air velocity at L (v_L)	0,35 m/s
Temperature difference at L (t_L)	-1,3 K

A = 3,00 m, H1 = 1,20 m, L = 4,20 m, X = 3,00 m

Performance data

	Cooling	Heating
Temperatur primary air (t_{VP_r})	18,0 °C	20,0 °C
Temperatur water supply (t_{WS})	16,0 °C	40,0 °C
Water volume flow (V_W)	110 l/h	80 l/h
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Total thermal capacity ($Q_{ges.}$)	-762 W	464 W
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Water pressure drop (p_W)	2,9 kPa	0,3 kPa
Water return temp.-diff. (t_{WR})	4,0 K	-5,0 K
Dew point (t_{DP})	13,2 °C	

Acoustic Data

P_t	59	Pa
L_{WA}	26	dB(A)
L_{WNC}	19	

Description

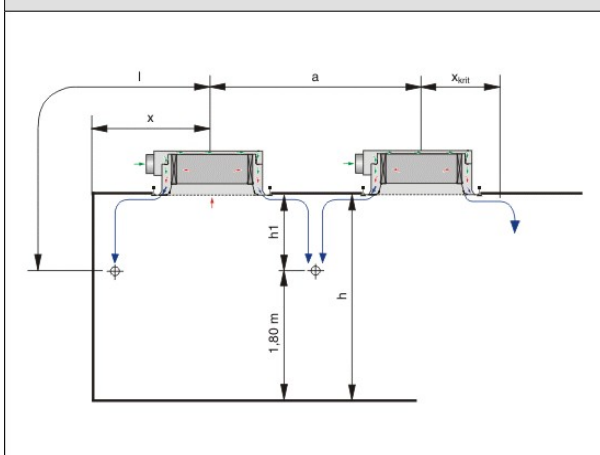
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DID614-4-S1-R-A2/1198x598-123/LE



Heatexchanger	4	4-Pipes
Nozzles	S1	Standard, small
Waterconnectionposition	R	Right side
Waterconnection	A2	With G½ union nut and flat seal
Size	1198x598	1198 x 598 (nominal size 1200 x 600)
Spigot diameter	123	123 mm
Adjustable air control blades	LE	With adjustable air control blades
Total amount	2	

Functional diagram



Aerodynamic Data

Primary air volume flow (V_{Pr})	95 m³/h
LE angle	0°
Air velocity at H1 (v_{H1})	0,28 m/s
Temperature difference at H1 (t_{H1})	-1,0 K
Air velocity at L (v_L)	0,35 m/s
Temperature difference at L (t_L)	-1,3 K

A = 3,00 m, H1 = 1,20 m, L = 4,20 m, X = 3,00 m

Performance data

Temperatur primary air (t_{VP_r})	18,0 °C
Temperatur water supply (t_{WS})	16,0 °C
Water volume flow (V_W)	110 l/h
Reference temperature (t_R)	26,0 °C
Humidity ()	45 %
Total thermal capacity ($Q_{ges.}$)	-762 W
Water capacity ($Q_{sec.}$)	-508 W
Water pressure drop (p_W)	2,9 kPa
Water return temp.-diff. (t_{WR})	4,0 K
Dew point (t_{DP})	13,2 °C

Cooling Heating

18,0 °C	20,0 °C
16,0 °C	40,0 °C
110 l/h	80 l/h
26,0 °C	20,0 °C
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2,9 kPa	0,3 kPa
4,0 K	-5,0 K
13,2 °C	

Acoustic Data

P_t	59	Pa
L_{WA}	26	dB(A)
L_{WNC}	19	

Description

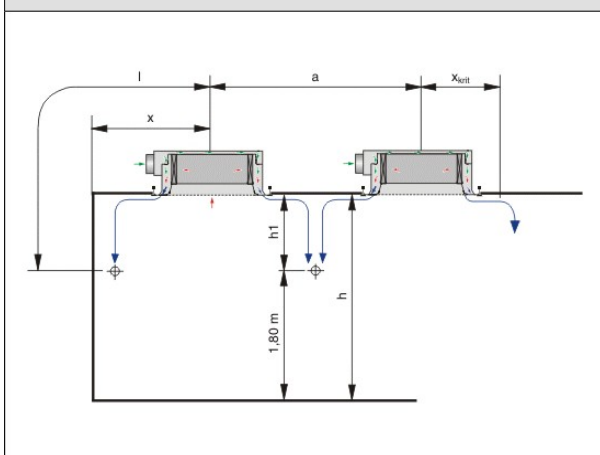
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DID614-4-S1-R-A2/1198x598-123/LE



Heatexchanger	4	4-Pipes
Nozzles	S1	Standard, small
Waterconnectionposition	R	Right side
Waterconnection	A2	With G½ union nut and flat seal
Size	1198x598	1198 x 598 (nominal size 1200 x 600)
Spigot diameter	123	123 mm
Adjustable air control blades	LE	With adjustable air control blades
Total amount	3	

Functional diagram



Aerodynamic Data

Primary air volume flow (V_{Pr})	95 m³/h
LE angle	0°
Air velocity at H1 (v_{H1})	0,28 m/s
Temperature difference at H1 (t_{H1})	-1,0 K
Air velocity at L (v_L)	0,35 m/s
Temperature difference at L (t_L)	-1,3 K

A = 3,00 m, H1 = 1,20 m, L = 4,20 m, X = 3,00 m

Performance data

	Cooling	Heating
Temperatur primary air (t_{VP_r})	18,0 °C	20,0 °C
Temperatur water supply (t_{WS})	16,0 °C	40,0 °C
Water volume flow (V_W)	110 l/h	80 l/h
Reference temperature (t_R)	26,0 °C	20,0 °C
Humidity ()	45 %	50 %
Total thermal capacity ($Q_{ges.}$)	-762 W	464 W
Water capacity ($Q_{sec.}$)	-508 W	464 W
Water pressure drop (p_W)	2,9 kPa	0,3 kPa
Water return temp.-diff. (t_{WR})	4,0 K	-5,0 K
Dew point (t_{DP})	13,2 °C	

Acoustic Data

P_t	59	Pa
L_{WA}	26	dB(A)
L_{WNC}	19	

Description

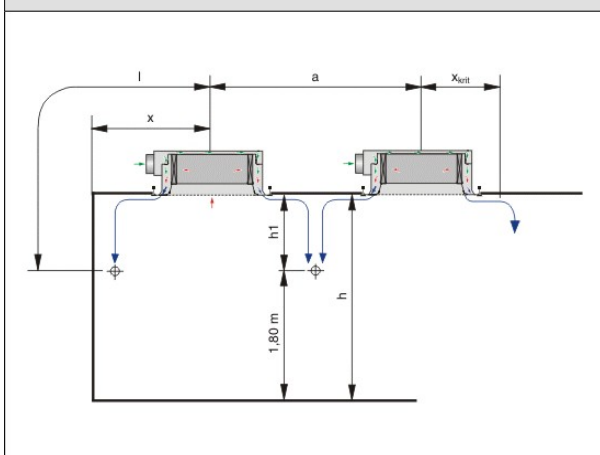
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DID614-4-S1-R-A2/1198x598-123/LE



Heatexchanger	4	4-Pipes
Nozzles	S1	Standard, small
Waterconnectionposition	R	Right side
Waterconnection	A2	With G½ union nut and flat seal
Size	1198x598	1198 x 598 (nominal size 1200 x 600)
Spigot diameter	123	123 mm
Adjustable air control blades	LE	With adjustable air control blades
Total amount	18	

Functional diagram



Aerodynamic Data

Primary air volume flow (V_{Pr})	95 m³/h
LE angle	0°
Air velocity at H1 (v_{H1})	0,28 m/s
Temperature difference at H1 (t_{H1})	-1,0 K
Air velocity at L (v_L)	0,35 m/s
Temperature difference at L (t_L)	-1,3 K

A = 3,00 m, H1 = 1,20 m, L = 4,20 m, X = 3,00 m

Performance data

	Cooling	Heating
Temperatur primary air (t_{VP_r})	18,0 °C	20,0 °C
Temperatur water supply (t_{WS})	16,0 °C	40,0 °C
Water volume flow (V_W)	110 l/h	80 l/h
Reference temperature (t_R)	26,0 °C	20,0 °C
Humidity ()	45 %	50 %
Total thermal capacity ($Q_{ges.}$)	-762 W	464 W
Water capacity ($Q_{sec.}$)	-508 W	464 W
Water pressure drop (p_W)	2,9 kPa	0,3 kPa
Water return temp.-diff. (t_{WR})	4,0 K	-5,0 K
Dew point (t_{DP})	13,2 °C	

Acoustic Data

P_t	59	Pa
L_{WA}	26	dB(A)
L_{WNC}	19	

Description

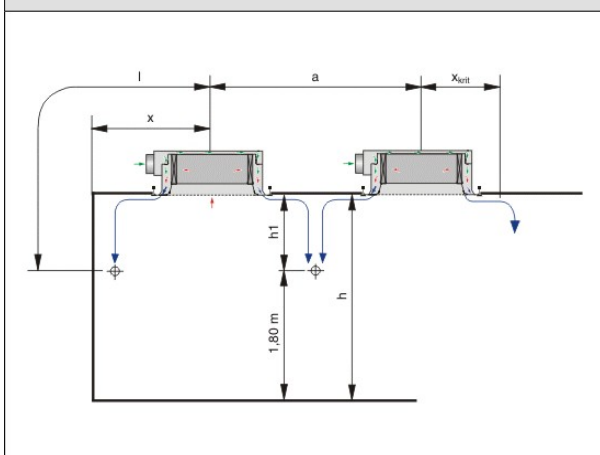
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DID614-2-S1-R-A2/1198x598-123/LE



Heatexchanger	2	2-Pipes
Nozzles	S1	Standard, small
Waterconnectionposition	R	Right side
Waterconnection	A2	With G½ union nut and flat seal
Size	1198x598	1198 x 598 (nominal size 1200 x 600)
Spigot diameter	123	123 mm
Adjustable air control blades	LE	With adjustable air control blades
Total amount	2	

Functional diagram



Aerodynamic Data

Primary air volume flow (V_{PR})	100 m³/h
LE angle	0°
Air velocity at H1 (v_{H1})	0,30 m/s
Temperature difference at H1 (t_{H1})	-1,3 K
Air velocity at L (v_L)	0,37 m/s
Temperature difference at L (t_L)	-1,7 K

A = 3,00 m, H1 = 1,20 m, L = 4,20 m, X = 3,00 m

Performance data

Temperatur primary air (t_{VPR})	20,0 °C
Temperatur water supply (t_{WS})	40,0 °C
Water volume flow (V_W)	218 l/h
Reference temperature (t_R)	20,0 °C
Humidity ()	50 %
Total thermal capacity ($Q_{ges.}$)	1265 W
Water capacity ($Q_{sec.}$)	1265 W
Water pressure drop (p_W)	8,9 kPa
Water return temp.-diff. (t_{WR})	-5,0 K

Heating

20,0 °C
40,0 °C
218 l/h
20,0 °C
50 %
1265 W
1265 W
8,9 kPa
-5,0 K

Acoustic Data

P_t	65	Pa
L_{WA}	28	dB(A)
L_{WNC}	21	

Description

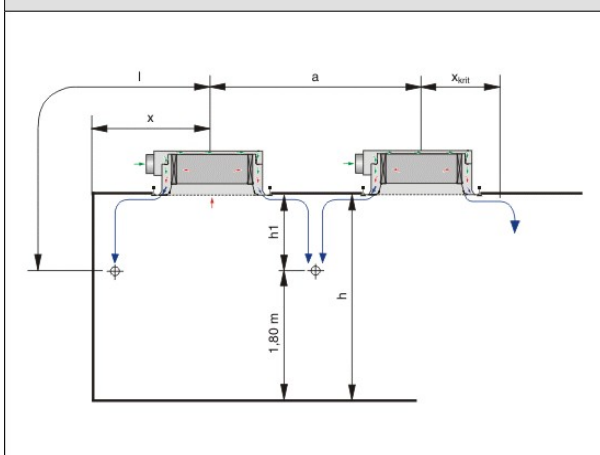
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DID614-4-S1-R-A2/1198x598-123/LE



Heatexchanger	4	4-Pipes
Nozzles	S1	Standard, small
Waterconnectionposition	R	Right side
Waterconnection	A2	With G½ union nut and flat seal
Size	1198x598	1198 x 598 (nominal size 1200 x 600)
Spigot diameter	123	123 mm
Adjustable air control blades	LE	With adjustable air control blades
Total amount	2	

Functional diagram



Aerodynamic Data

Primary air volume flow (V_{Pr})	95 m³/h
LE angle	0°
Air velocity at H1 (v_{H1})	0,28 m/s
Temperature difference at H1 (t_{H1})	-1,0 K
Air velocity at L (v_L)	0,35 m/s
Temperature difference at L (t_L)	-1,3 K

A = 3,00 m, H1 = 1,20 m, L = 4,20 m, X = 3,00 m

Performance data

Temperatur primary air (t_{VP_r})	18,0 °C
Temperatur water supply (t_{WS})	16,0 °C
Water volume flow (V_W)	110 l/h
Reference temperature (t_R)	26,0 °C
Humidity ()	45 %
Total thermal capacity ($Q_{ges.}$)	-762 W
Water capacity ($Q_{sec.}$)	-508 W
Water pressure drop (p_W)	2,9 kPa
Water return temp.-diff. (t_{WR})	4,0 K
Dew point (t_{DP})	13,2 °C

Cooling Heating

18,0 °C	20,0 °C
16,0 °C	40,0 °C
110 l/h	80 l/h
26,0 °C	20,0 °C
45 %	50 %
-762 W	464 W
-508 W	464 W
2,9 kPa	0,3 kPa
4,0 K	-5,0 K
13,2 °C	

Acoustic Data

P_t	59	Pa
L_{WA}	26	dB(A)
L_{WNC}	19	

Description

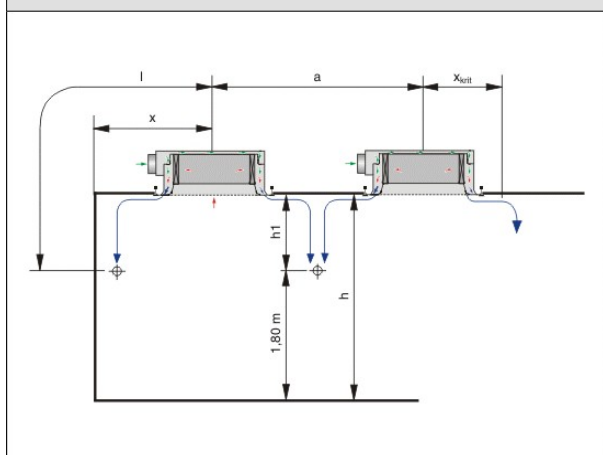
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DID614-4-S1-R-A2/1198x598-123/LE



Heatexchanger	4	4-Pipes
Nozzles	S1	Standard, small
Waterconnectionposition	R	Right side
Waterconnection	A2	With G½ union nut and flat seal
Size	1198x598	1198 x 598 (nominal size 1200 x 600)
Spigot diameter	123	123 mm
Adjustable air control blades	LE	With adjustable air control blades
Total amount	3	

Functional diagram



Aerodynamic Data

Primary air volume flow (V_{Pr})	90 m³/h
LE angle	0°
Air velocity at H1 (v_{H1})	0,26 m/s
Temperature difference at H1 (t_{H1})	-1,0 K
Air velocity at L (v_L)	0,33 m/s
Temperature difference at L (t_L)	-1,3 K

A = 3,00 m, H1 = 1,20 m, L = 4,20 m, X = 3,00 m

Performance data

	Cooling	Heating
Temperatur primary air (t_{VP_r})	18,0 °C	20,0 °C
Temperatur water supply (t_{WS})	16,0 °C	40,0 °C
Water volume flow (V_W)	100 l/h	76 l/h
Reference temperature (t_R)	26,0 °C	20,0 °C
Humidity ()	45 %	50 %
Total thermal capacity ($Q_{ges.}$)	-705 W	439 W
Water capacity ($Q_{sec.}$)	-464 W	439 W
Water pressure drop (p_W)	2,5 kPa	0,3 kPa
Water return temp.-diff. (t_{WR})	4,0 K	-5,0 K
Dew point (t_{DP})	13,2 °C	

Acoustic Data

P_t	53	Pa
L_{WA}	24	dB(A)
L_{WNC}	17	

Description

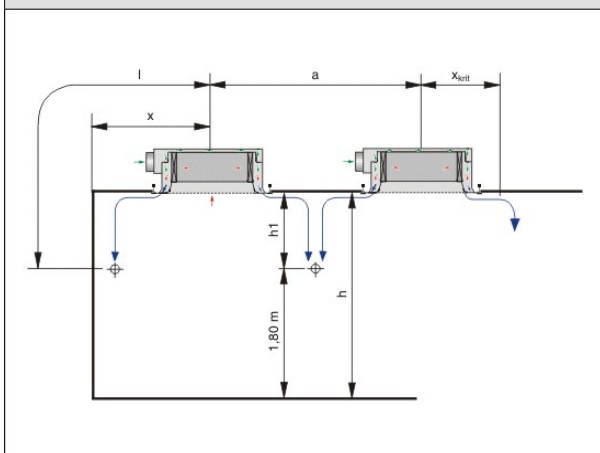
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DID614-2-S1-R-A2/1198x598-123/LE



Heatexchanger	2	2-Pipes
Nozzles	S1	Standard, small
Waterconnectionposition	R	Right side
Waterconnection	A2	With G½ union nut and flat seal
Size	1198x598	1198 x 598 (nominal size 1200 x 600)
Spigot diameter	123	123 mm
Adjustable air control blades	LE	With adjustable air control blades
Total amount	1	

Functional diagram



Aerodynamic Data

Primary air volume flow (V_{Pr})	100 m³/h
LE angle	0°
Air velocity at H1 (v_{H1})	0,30 m/s
Temperature difference at H1 (t_{H1})	-1,3 K
Air velocity at L (v_L)	0,37 m/s
Temperature difference at L (t_L)	-1,7 K

A = 3,00 m, H1 = 1,20 m, L = 4,20 m, X = 3,00 m

Performance data

Temperatur primary air (t_{VPr})	20,0 °C
Temperatur water supply (t_{WS})	40,0 °C
Water volume flow (V_W)	218 l/h
Reference temperature (t_R)	20,0 °C
Humidity ()	50 %
Total thermal capacity ($Q_{ges.}$)	1265 W
Water capacity ($Q_{sec.}$)	1265 W
Water pressure drop (p_W)	8,9 kPa
Water return temp.-diff. (t_{WR})	-5,0 K

Heating

20,0 °C
40,0 °C
218 l/h
20,0 °C
50 %
1265 W
1265 W
8,9 kPa
-5,0 K

Acoustic Data

P_t	65	Pa
L_{WA}	28	dB(A)
L_{WNC}	21	

Description

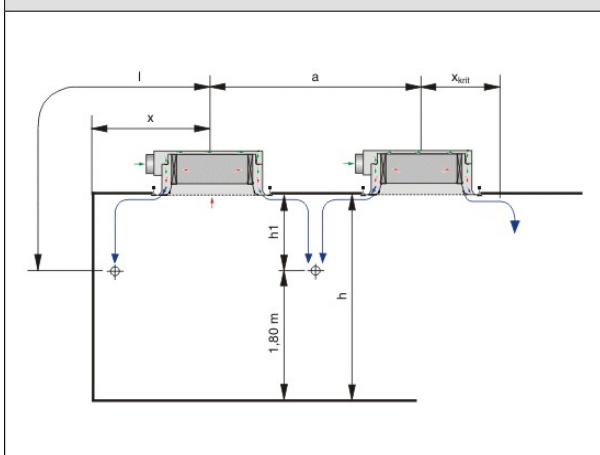
Active chilled beams of Type DID614, with fourway air discharge and high thermal output, for air-water systems. For installation flush with the ceiling, preferably in rooms with a height up to 4.20 m. The units consist of a casing with suspension points, a spigot, non-combustible nozzles, and a horizontal heat exchanger. Five nozzle variants to optimise induction based on demand.

DID614-4-S1-R-A2/1198x598-123/LE



Heatexchanger	4	4-Pipes
Nozzles	S1	Standard, small
Waterconnectionposition	R	Right side
Waterconnection	A2	With G½ union nut and flat seal
Size	1198x598	1198 x 598 (nominal size 1200 x 600)
Spigot diameter	123	123 mm
Adjustable air control blades	LE	With adjustable air control blades
Total amount	2	

Functional diagram



Aerodynamic Data

Primary air volume flow (V_{Pr})	110 m³/h
LE angle	0°
Air velocity at H1 (v_{H1})	0,33 m/s
Temperature difference at H1 (t_{H1})	-1,0 K
Air velocity at L (v_L)	0,40 m/s
Temperature difference at L (t_L)	-1,2 K

A = 3,00 m, H1 = 1,20 m, L = 4,20 m, X = 3,00 m

Performance data

Temperatur primary air (t_{VP_r})	18,0 °C
Temperatur water supply (t_{WS})	16,0 °C
Water volume flow (V_W)	93 l/h
Reference temperature (t_R)	26,0 °C
Humidity ()	45 %
Total thermal capacity ($Q_{ges.}$)	-831 W
Water capacity ($Q_{sec.}$)	-537 W
Water pressure drop (p_W)	2,1 kPa
Water return temp.-diff. (t_{WR})	5,0 K
Dew point (t_{DP})	13,2 °C

Cooling Heating

18,0 °C	20,0 °C
16,0 °C	40,0 °C
93 l/h	91 l/h
26,0 °C	20,0 °C
45 %	50 %
-831 W	530 W
-537 W	530 W
2,1 kPa	0,4 kPa
5,0 K	-5,0 K
13,2 °C	

Acoustic Data

P_t	79	Pa
L_{WA}	30	dB(A)
L_{WNC}	24	

Description

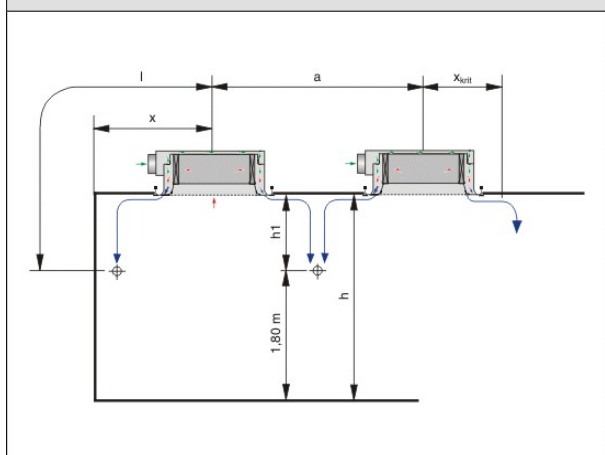
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DID614-4-S1-R-A2/1198x598-123/LE



Heatexchanger	4	4-Pipes
Nozzles	S1	Standard, small
Waterconnectionposition	R	Right side
Waterconnection	A2	With G½ union nut and flat seal
Size	1198x598	1198 x 598 (nominal size 1200 x 600)
Spigot diameter	123	123 mm
Adjustable air control blades	LE	With adjustable air control blades
Total amount	2	

Functional diagram



Aerodynamic Data

Primary air volume flow (V_{Pr})	90 m³/h
LE angle	0°
Air velocity at H1 (v_{H1})	0,26 m/s
Temperature difference at H1 (t_{H1})	-1,0 K
Air velocity at L (v_L)	0,33 m/s
Temperature difference at L (t_L)	-1,3 K

A = 3,00 m, H1 = 1,20 m, L = 4,20 m, X = 3,00 m

Performance data

	Cooling	Heating
Temperatur primary air (t_{VP_r})	18,0 °C	20,0 °C
Temperatur water supply (t_{WS})	16,0 °C	40,0 °C
Water volume flow (V_W)	100 l/h	76 l/h
Reference temperature (t_R)	26,0 °C	20,0 °C
Humidity ()	45 %	50 %
Total thermal capacity ($Q_{ges.}$)	-705 W	439 W
Water capacity ($Q_{sec.}$)	-464 W	439 W
Water pressure drop (p_W)	2,5 kPa	0,3 kPa
Water return temp.-diff. (t_{WR})	4,0 K	-5,0 K
Dew point (t_{DP})	13,2 °C	

Acoustic Data

P_t	53	Pa
L_{WA}	24	dB(A)
L_{WNC}	17	

Description

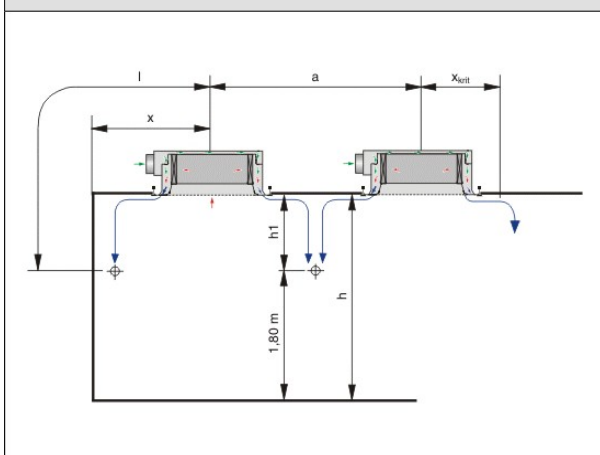
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DID614-4-S1-R-A2/1198x598-123/LE



Heatexchanger	4	4-Pipes
Nozzles	S1	Standard, small
Waterconnectionposition	R	Right side
Waterconnection	A2	With G½ union nut and flat seal
Size	1198x598	1198 x 598 (nominal size 1200 x 600)
Spigot diameter	123	123 mm
Adjustable air control blades	LE	With adjustable air control blades
Total amount	2	

Functional diagram



Aerodynamic Data

Primary air volume flow (V_{Pr})	90 m³/h
LE angle	0°
Air velocity at H1 (v_{H1})	0,26 m/s
Temperature difference at H1 (t_{H1})	-1,0 K
Air velocity at L (v_L)	0,33 m/s
Temperature difference at L (t_L)	-1,3 K

A = 3,00 m, H1 = 1,20 m, L = 4,20 m, X = 3,00 m

Performance data

	Cooling	Heating
Temperatur primary air (t_{VP_r})	18,0 °C	20,0 °C
Temperatur water supply (t_{WS})	16,0 °C	40,0 °C
Water volume flow (V_W)	100 l/h	76 l/h
Reference temperature (t_R)	26,0 °C	20,0 °C
Humidity ()	45 %	50 %
Total thermal capacity ($Q_{ges.}$)	-705 W	439 W
Water capacity ($Q_{sec.}$)	-464 W	439 W
Water pressure drop (p_W)	2,5 kPa	0,3 kPa
Water return temp.-diff. (t_{WR})	4,0 K	-5,0 K
Dew point (t_{DP})	13,2 °C	

Acoustic Data

P_t	53	Pa
L_{WA}	24	dB(A)
L_{WNC}	17	

Description

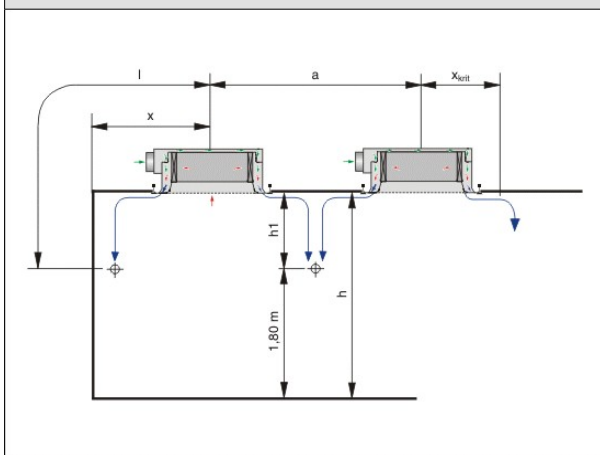
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DID614-4-S1-R-A2/1198x598-123/LE



Heatexchanger	4	4-Pipes
Nozzles	S1	Standard, small
Waterconnectionposition	R	Right side
Waterconnection	A2	With G½ union nut and flat seal
Size	1198x598	1198 x 598 (nominal size 1200 x 600)
Spigot diameter	123	123 mm
Adjustable air control blades	LE	With adjustable air control blades
Total amount	1	

Functional diagram



Aerodynamic Data

Primary air volume flow (V_{Pr})	100 m³/h
LE angle	0°
Air velocity at H1 (v_{H1})	0,30 m/s
Temperature difference at H1 (t_{H1})	-1,0 K
Air velocity at L (v_L)	0,37 m/s
Temperature difference at L (t_L)	-1,2 K

A = 3,00 m, H1 = 1,20 m, L = 4,20 m, X = 3,00 m

Performance data

Temperatur primary air (t_{VP_r})	18,0 °C	20,0 °C
Temperatur water supply (t_{WS})	16,0 °C	40,0 °C
Water volume flow (V_W)	80 l/h	84 l/h
Reference temperature (t_R)	26,0 °C	20,0 °C
Humidity ()	45 %	50 %
Total thermal capacity ($Q_{ges.}$)	-748 W	487 W
Water capacity ($Q_{sec.}$)	-480 W	487 W
Water pressure drop (p_W)	1,9 kPa	0,3 kPa
Water return temp.-diff. (t_{WR})	5,0 K	-5,0 K
Dew point (t_{DP})	13,2 °C	

Acoustic Data

P_t	65	Pa
L_{WA}	28	dB(A)
L_{WNC}	21	

Description

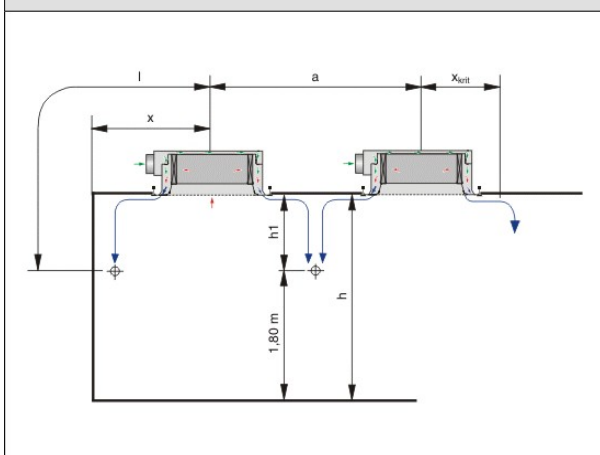
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DID614-4-S1-R-A2/1198x598-123/LE



Heatexchanger	4	4-Pipes
Nozzles	S1	Standard, small
Waterconnectionposition	R	Right side
Waterconnection	A2	With G½ union nut and flat seal
Size	1198x598	1198 x 598 (nominal size 1200 x 600)
Spigot diameter	123	123 mm
Adjustable air control blades	LE	With adjustable air control blades
Total amount	2	

Functional diagram



Aerodynamic Data

Primary air volume flow (V_{PR})	90 m³/h
LE angle	0°
Air velocity at H1 (v_{H1})	0,26 m/s
Temperature difference at H1 (t_{H1})	-1,0 K
Air velocity at L (v_L)	0,33 m/s
Temperature difference at L (t_L)	-1,3 K

A = 3,00 m, H1 = 1,20 m, L = 4,20 m, X = 3,00 m

Performance data

Temperatur primary air (t_{VPR})	18,0 °C
Temperatur water supply (t_{WS})	16,0 °C
Water volume flow (V_W)	100 l/h
Reference temperature (t_R)	26,0 °C
Humidity ()	45 %
Total thermal capacity ($Q_{ges.}$)	-705 W
Water capacity ($Q_{sec.}$)	-464 W
Water pressure drop (p_W)	2,5 kPa
Water return temp.-diff. (t_{WR})	4,0 K
Dew point (t_{DP})	13,2 °C

Cooling Heating

18,0 °C	20,0 °C
16,0 °C	40,0 °C
100 l/h	76 l/h
26,0 °C	20,0 °C
45 %	50 %
-705 W	439 W
-464 W	439 W
2,5 kPa	0,3 kPa
4,0 K	-5,0 K
13,2 °C	

Acoustic Data

P_t	53	Pa
L_{WA}	24	dB(A)
L_{WNC}	17	

Description

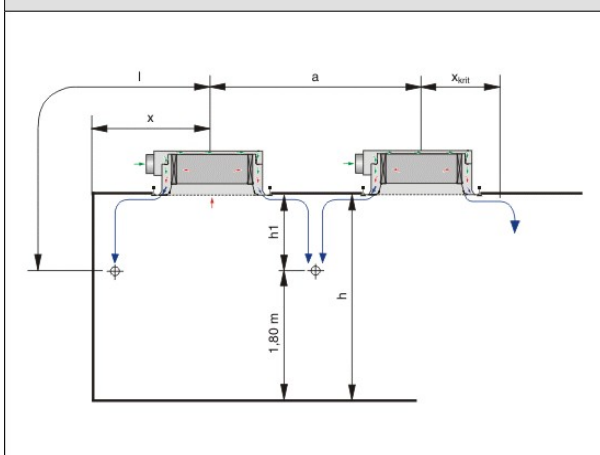
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DID614-4-S1-R-A2/1198x598-123/LE



Heatexchanger	4	4-Pipes
Nozzles	S1	Standard, small
Waterconnectionposition	R	Right side
Waterconnection	A2	With G½ union nut and flat seal
Size	1198x598	1198 x 598 (nominal size 1200 x 600)
Spigot diameter	123	123 mm
Adjustable air control blades	LE	With adjustable air control blades
Total amount	2	

Functional diagram



Aerodynamic Data

Primary air volume flow (V_{Pr})	90 m³/h
LE angle	0°
Air velocity at H1 (v_{H1})	0,26 m/s
Temperature difference at H1 (t_{H1})	-1,0 K
Air velocity at L (v_L)	0,33 m/s
Temperature difference at L (t_L)	-1,3 K

A = 3,00 m, H1 = 1,20 m, L = 4,20 m, X = 3,00 m

Performance data

Temperatur primary air (t_{VP_r})	18,0 °C
Temperatur water supply (t_{WS})	16,0 °C
Water volume flow (V_W)	100 l/h
Reference temperature (t_R)	26,0 °C
Humidity ()	45 %
Total thermal capacity ($Q_{ges.}$)	-705 W
Water capacity ($Q_{sec.}$)	-464 W
Water pressure drop (p_W)	2,5 kPa
Water return temp.-diff. (t_{WR})	4,0 K
Dew point (t_{DP})	13,2 °C

Cooling Heating

18,0 °C	20,0 °C
16,0 °C	40,0 °C
100 l/h	76 l/h
26,0 °C	20,0 °C
45 %	50 %
-705 W	439 W
-464 W	439 W
2,5 kPa	0,3 kPa
4,0 K	-5,0 K
13,2 °C	

Acoustic Data

P_t	53	Pa
L_{WA}	24	dB(A)
L_{WNC}	17	

Description

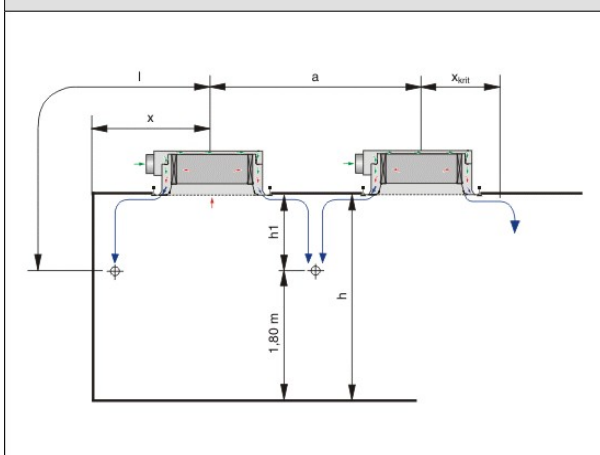
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DID614-4-S1-R-A2/1198x598-123/LE



Heatexchanger	4	4-Pipes
Nozzles	S1	Standard, small
Waterconnectionposition	R	Right side
Waterconnection	A2	With G½ union nut and flat seal
Size	1198x598	1198 x 598 (nominal size 1200 x 600)
Spigot diameter	123	123 mm
Adjustable air control blades	LE	With adjustable air control blades
Total amount	2	

Functional diagram



Aerodynamic Data

Primary air volume flow (V_{Pr})	90 m³/h
LE angle	0°
Air velocity at H1 (v_{H1})	0,26 m/s
Temperature difference at H1 (t_{H1})	-1,0 K
Air velocity at L (v_L)	0,33 m/s
Temperature difference at L (t_L)	-1,3 K

A = 3,00 m, H1 = 1,20 m, L = 4,20 m, X = 3,00 m

Performance data

Temperatur primary air (t_{VP_r})	18,0 °C
Temperatur water supply (t_{WS})	16,0 °C
Water volume flow (V_W)	100 l/h
Reference temperature (t_R)	26,0 °C
Humidity ()	45 %
Total thermal capacity ($Q_{ges.}$)	-705 W
Water capacity ($Q_{sec.}$)	-464 W
Water pressure drop (p_W)	2,5 kPa
Water return temp.-diff. (t_{WR})	4,0 K
Dew point (t_{DP})	13,2 °C

Cooling Heating

18,0 °C	20,0 °C
16,0 °C	40,0 °C
100 l/h	76 l/h
26,0 °C	20,0 °C
45 %	50 %
-705 W	439 W
-464 W	439 W
2,5 kPa	0,3 kPa
4,0 K	-5,0 K
13,2 °C	

Acoustic Data

P_t	53	Pa
L_{WA}	24	dB(A)
L_{WNC}	17	

Description

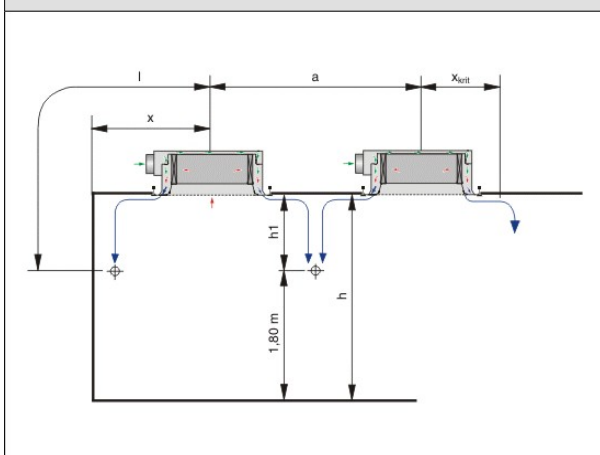
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DID614-4-S1-R-A2/1198x598-123/LE



Heatexchanger	4	4-Pipes
Nozzles	S1	Standard, small
Waterconnectionposition	R	Right side
Waterconnection	A2	With G½ union nut and flat seal
Size	1198x598	1198 x 598 (nominal size 1200 x 600)
Spigot diameter	123	123 mm
Adjustable air control blades	LE	With adjustable air control blades
Total amount	2	

Functional diagram



Aerodynamic Data

Primary air volume flow (V_{Pr})	110 m³/h
LE angle	0°
Air velocity at H1 (v_{H1})	0,33 m/s
Temperature difference at H1 (t_{H1})	-0,9 K
Air velocity at L (v_L)	0,40 m/s
Temperature difference at L (t_L)	-1,2 K

A = 3,00 m, H1 = 1,20 m, L = 4,20 m, X = 3,00 m

Performance data

Temperatur primary air (t_{VP_r})	18,0 °C
Temperatur water supply (t_{WS})	16,0 °C
Water volume flow (V_W)	93 l/h
Reference temperature (t_R)	26,0 °C
Humidity ()	45 %
Total thermal capacity ($Q_{ges.}$)	-814 W
Water capacity ($Q_{sec.}$)	-519 W
Water pressure drop (p_W)	1,9 kPa
Water return temp.-diff. (t_{WR})	5,0 K
Dew point (t_{DP})	13,2 °C

Cooling Heating

18,0 °C	20,0 °C
16,0 °C	40,0 °C
93 l/h	91 l/h
26,0 °C	20,0 °C
45 %	50 %
-814 W	530 W
-519 W	530 W
1,9 kPa	0,4 kPa
5,0 K	-5,0 K
13,2 °C	

Acoustic Data

P_t	79	Pa
L_{WA}	30	dB(A)
L_{WNC}	24	

Description

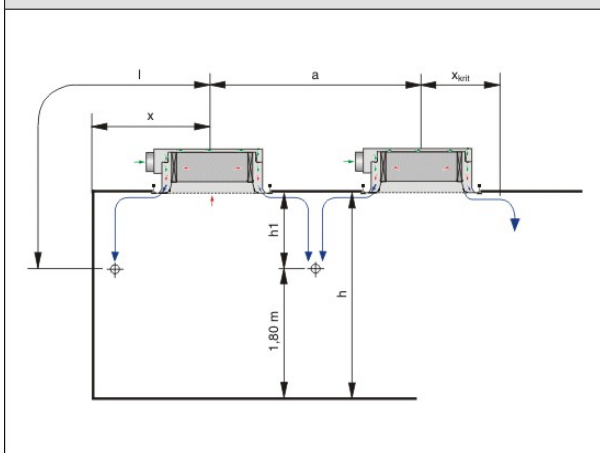
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DID614-4-S1-R-A2/1198x598-123/LE



Heatexchanger	4	4-Pipes
Nozzles	S1	Standard, small
Waterconnectionposition	R	Right side
Waterconnection	A2	With G½ union nut and flat seal
Size	1198x598	1198 x 598 (nominal size 1200 x 600)
Spigot diameter	123	123 mm
Adjustable air control blades	LE	With adjustable air control blades
Total amount	2	

Functional diagram



Aerodynamic Data

Primary air volume flow (V_{Pr})	110 m³/h
LE angle	0°
Air velocity at H1 (v_{H1})	0,33 m/s
Temperature difference at H1 (t_{H1})	-1,0 K
Air velocity at L (v_L)	0,40 m/s
Temperature difference at L (t_L)	-1,2 K

A = 3,00 m, H1 = 1,20 m, L = 4,20 m, X = 3,00 m

Performance data

Temperatur primary air (t_{VP_r})	18,0 °C
Temperatur water supply (t_{WS})	16,0 °C
Water volume flow (V_W)	93 l/h
Reference temperature (t_R)	26,0 °C
Humidity ()	45 %
Total thermal capacity ($Q_{ges.}$)	-831 W
Water capacity ($Q_{sec.}$)	-537 W
Water pressure drop (p_W)	2,1 kPa
Water return temp.-diff. (t_{WR})	5,0 K
Dew point (t_{DP})	13,2 °C

Cooling Heating

18,0 °C	20,0 °C
16,0 °C	40,0 °C
93 l/h	91 l/h
26,0 °C	20,0 °C
45 %	50 %
-831 W	530 W
-537 W	530 W
2,1 kPa	0,4 kPa
5,0 K	-5,0 K
13,2 °C	

Acoustic Data

P_t	79	Pa
L_{WA}	30	dB(A)
L_{WNC}	24	

Description

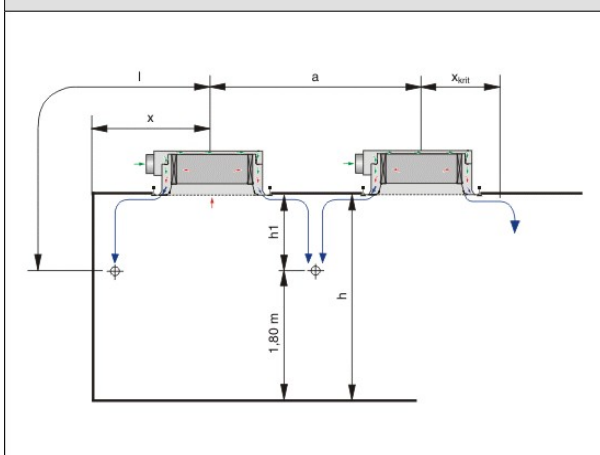
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DID614-4-S1-R-A2/1198x598-123/LE



Heatexchanger	4	4-Pipes
Nozzles	S1	Standard, small
Waterconnectionposition	R	Right side
Waterconnection	A2	With G½ union nut and flat seal
Size	1198x598	1198 x 598 (nominal size 1200 x 600)
Spigot diameter	123	123 mm
Adjustable air control blades	LE	With adjustable air control blades
Total amount	4	

Functional diagram



Aerodynamic Data

Primary air volume flow (V_{Pr})	110 m³/h
LE angle	0°
Air velocity at H1 (v_{H1})	0,33 m/s
Temperature difference at H1 (t_{H1})	-1,0 K
Air velocity at L (v_L)	0,40 m/s
Temperature difference at L (t_L)	-1,2 K

A = 3,00 m, H1 = 1,20 m, L = 4,20 m, X = 3,00 m

Performance data

Temperatur primary air (t_{VP_r})	18,0 °C
Temperatur water supply (t_{WS})	16,0 °C
Water volume flow (V_W)	93 l/h
Reference temperature (t_R)	26,0 °C
Humidity ()	45 %
Total thermal capacity ($Q_{ges.}$)	-831 W
Water capacity ($Q_{sec.}$)	-537 W
Water pressure drop (p_W)	2,1 kPa
Water return temp.-diff. (t_{WR})	5,0 K
Dew point (t_{DP})	13,2 °C

Cooling Heating

18,0 °C	20,0 °C
16,0 °C	40,0 °C
93 l/h	91 l/h
26,0 °C	20,0 °C
45 %	50 %
-831 W	530 W
-537 W	530 W
2,1 kPa	0,4 kPa
5,0 K	-5,0 K
13,2 °C	

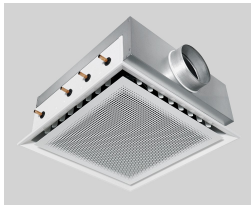
Acoustic Data

P_t	79	Pa
L_{WA}	30	dB(A)
L_{WNC}	24	

Description

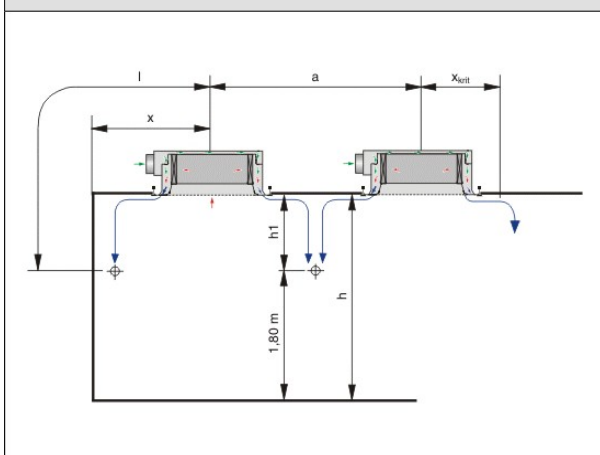
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DID614-2-S1-R-A2/598x598-123/LE



Heatexchanger	2	2-Pipes
Nozzles	S1	Standard, small
Waterconnectionposition	R	Right side
Waterconnection	A2	With G½ union nut and flat seal
Size	598x598	598 x 598 (nominal size 600 x 600)
Spigot diameter	123	123 mm
Adjustable air control blades	LE	With adjustable air control blades
Total amount	1	

Functional diagram



Aerodynamic Data

Primary air volume flow (V_{PR})	60 m³/h
LE angle	0°
Air velocity at H1 (v_{H1})	0,22 m/s
Temperature difference at H1 (t_{H1})	-1,0 K
Air velocity at L (v_L)	0,28 m/s
Temperature difference at L (t_L)	-1,2 K

A = 3,00 m, H1 = 1,20 m, L = 4,20 m, X = 3,00 m

Performance data

Temperatur primary air (t_{VPR})	20,0 °C
Temperatur water supply (t_{WS})	40,0 °C
Water volume flow (V_W)	109 l/h
Reference temperature (t_R)	20,0 °C
Humidity ()	50 %
Total thermal capacity ($Q_{ges.}$)	630 W
Water capacity ($Q_{sec.}$)	630 W
Water pressure drop (p_W)	1,1 kPa
Water return temp.-diff. (t_{WR})	-5,0 K

Heating

20,0 °C
40,0 °C
109 l/h
20,0 °C
50 %
630 W
630 W
1,1 kPa
-5,0 K

Acoustic Data

P_t	55	Pa
L_{WA}	24	dB(A)
L_{WNC}	18	

Description

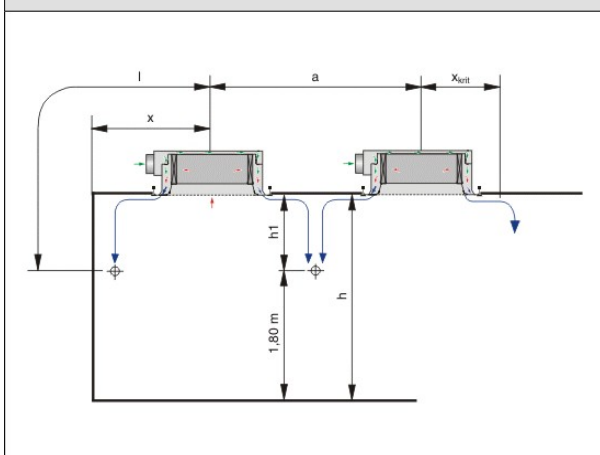
Active chilled beams of Type DID614, with fourway air discharge and high thermal output, for air-water systems. For installation flush with the ceiling, preferably in rooms with a height up to 4.20 m. The units consist of a casing with suspension points, a spigot, non-combustible nozzles, and a horizontal heat exchanger. Five nozzle variants to optimise induction based on demand.

DID614-4-S1-R-A2/1198x598-123/LE



Heatexchanger	4	4-Pipes
Nozzles	S1	Standard, small
Waterconnectionposition	R	Right side
Waterconnection	A2	With G½ union nut and flat seal
Size	1198x598	1198 x 598 (nominal size 1200 x 600)
Spigot diameter	123	123 mm
Adjustable air control blades	LE	With adjustable air control blades
Total amount	8	

Functional diagram



Aerodynamic Data

Primary air volume flow (V_{Pr})	95 m³/h
LE angle	0°
Air velocity at H1 (v_{H1})	0,28 m/s
Temperature difference at H1 (t_{H1})	-1,0 K
Air velocity at L (v_L)	0,35 m/s
Temperature difference at L (t_L)	-1,2 K

A = 3,00 m, H1 = 1,20 m, L = 4,20 m, X = 3,00 m

Performance data

	Cooling	Heating
Temperatur primary air (t_{VP_r})	19,0 °C	20,0 °C
Temperatur water supply (t_{WS})	16,0 °C	40,0 °C
Water volume flow (V_W)	110 l/h	80 l/h
Reference temperature (t_R)	26,0 °C	20,0 °C
Humidity ()	45 %	50 %
Total thermal capacity ($Q_{ges.}$)	-731 W	464 W
Water capacity ($Q_{sec.}$)	-508 W	464 W
Water pressure drop (p_W)	2,9 kPa	0,3 kPa
Water return temp.-diff. (t_{WR})	4,0 K	-5,0 K
Dew point (t_{DP})	13,2 °C	

Acoustic Data

P_t	59	Pa
L_{WA}	26	dB(A)
L_{WNC}	19	

Description

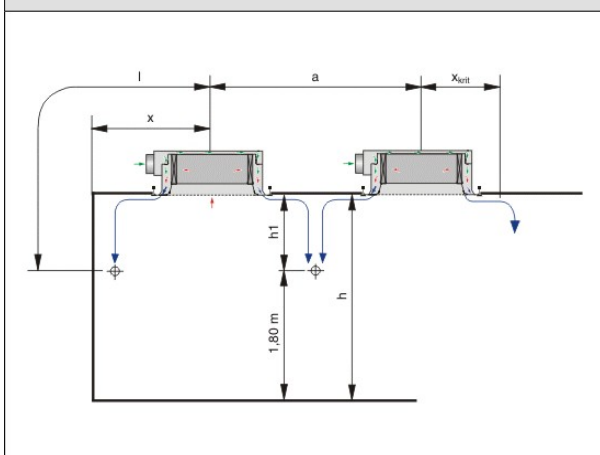
Active chilled beams of Type DID614, with fourway air discharge and high thermal output, for air-water systems. For installation flush with the ceiling, preferably in rooms with a height up to 4.20 m. The units consist of a casing with suspension points, a spigot, non-combustible nozzles, and a horizontal heat exchanger. Five nozzle variants to optimise induction based on demand.

DID614-4-S1-R-A2/1198x598-123/LE



Heatexchanger	4	4-Pipes
Nozzles	S1	Standard, small
Waterconnectionposition	R	Right side
Waterconnection	A2	With G½ union nut and flat seal
Size	1198x598	1198 x 598 (nominal size 1200 x 600)
Spigot diameter	123	123 mm
Adjustable air control blades	LE	With adjustable air control blades
Total amount	2	

Functional diagram



Aerodynamic Data

Primary air volume flow (V_{Pr})	110 m³/h
LE angle	0°
Air velocity at H1 (v_{H1})	0,33 m/s
Temperature difference at H1 (t_{H1})	-1,0 K
Air velocity at L (v_L)	0,40 m/s
Temperature difference at L (t_L)	-1,2 K

A = 3,00 m, H1 = 1,20 m, L = 4,20 m, X = 3,00 m

Performance data

Temperatur primary air (t_{VP_r})	18,0 °C
Temperatur water supply (t_{WS})	16,0 °C
Water volume flow (V_W)	93 l/h
Reference temperature (t_R)	26,0 °C
Humidity ()	45 %
Total thermal capacity ($Q_{ges.}$)	-831 W
Water capacity ($Q_{sec.}$)	-537 W
Water pressure drop (p_W)	2,1 kPa
Water return temp.-diff. (t_{WR})	5,0 K
Dew point (t_{DP})	13,2 °C

Cooling Heating

18,0 °C	20,0 °C
16,0 °C	40,0 °C
93 l/h	91 l/h
26,0 °C	20,0 °C
45 %	50 %
-831 W	530 W
-537 W	530 W
2,1 kPa	0,4 kPa
5,0 K	-5,0 K
13,2 °C	

Acoustic Data

P_t	79	Pa
L_{WA}	30	dB(A)
L_{WNC}	24	

Description

Active chilled beams of Type DID614, with fourway air discharge and high thermal output, for air-water systems. For installation flush with the ceiling, preferably in rooms with a height up to 4.20 m. The units consist of a casing with suspension points, a spigot, non-combustible nozzles, and a horizontal heat exchanger. Five nozzle variants to optimise induction based on demand.