

jaga
CLIMATE DESIGNERS



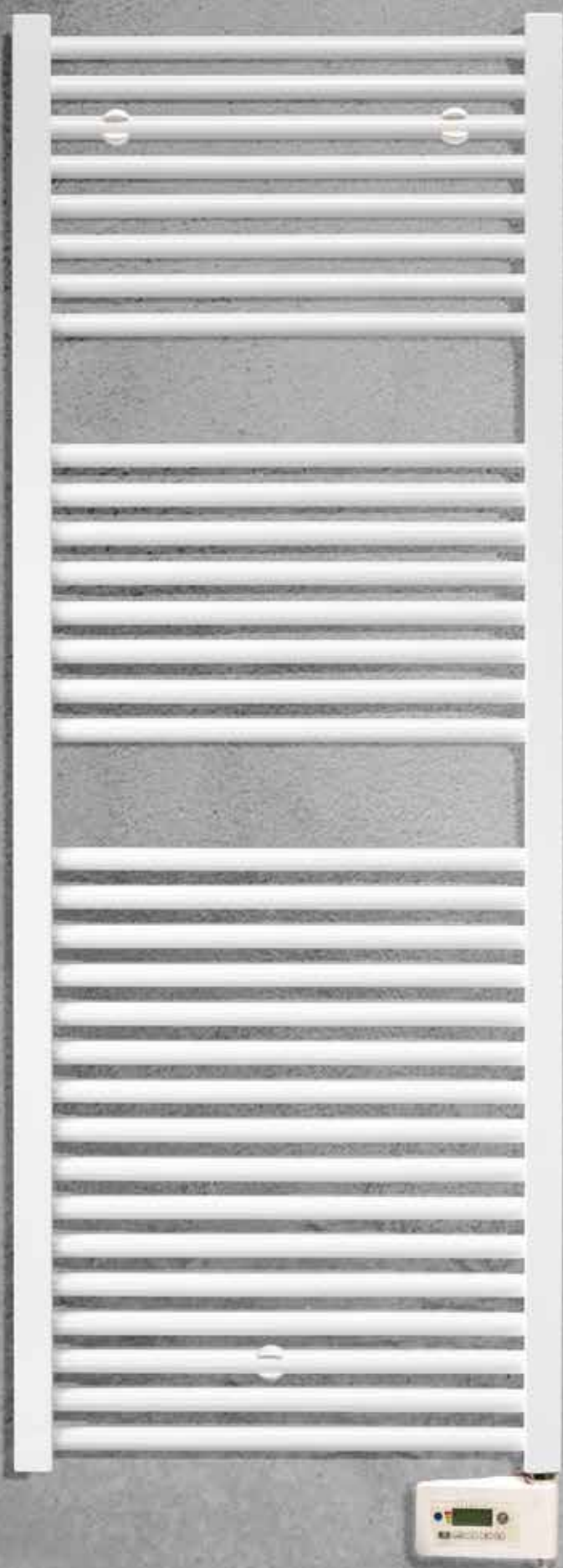
SANI



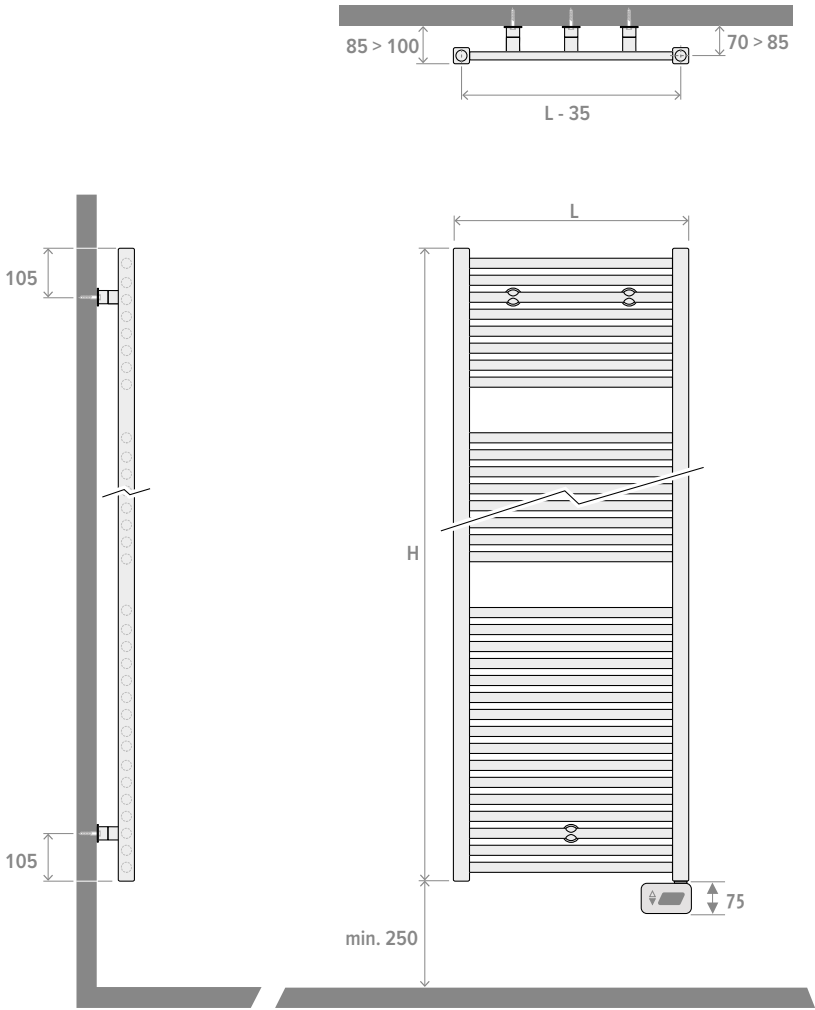
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SANI

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DIMENSIONS (in mm)



ORDER CODE

SEDW	093	040	233
			Length
			Height

STANDARD DELIVERY

- wall fixing
- round, horizontal radiant tubes $\varnothing 22$ mm
- vertical steel, square heating collectors 35 mm x 35 mm
- integrated electrical resistor with mountable controller
- white cable 1.2 m
- pre-filled with heating fluid

COLOURS

Eco-friendly, scratch-resistant powder coating with high UV-resistance

Standard colours

traffic white RAL 9016 (233) matte satin

SANI ELECTRIC

HEIGHT H	LENGTH L	HEATING Room temperature 20°C Watts	WEIGHT kg	WATER CONTENT L	ORDER CODE
SEDW 093	040	300	4.0		SEDW 093 040 233
	050	500	4.6		SEDW 093 050 233
122	040	500	5.7		SEDW 122 040 233
	050	750	6.5		SEDW 122 050 233
137	040	500	6.5		SEDW 137 040 233
	050	750	7.5		SEDW 137 050 233
	060	1000	8.4		SEDW 137 060 233
175	040	750	8.3		SEDW 175 040 233
	050	1000	7.5		SEDW 175 050 233
	060	1000	10.7		SEDW 175 060 233
205	060	1250	12.8		SEDW 205 060 233

EN442 output at 20°C

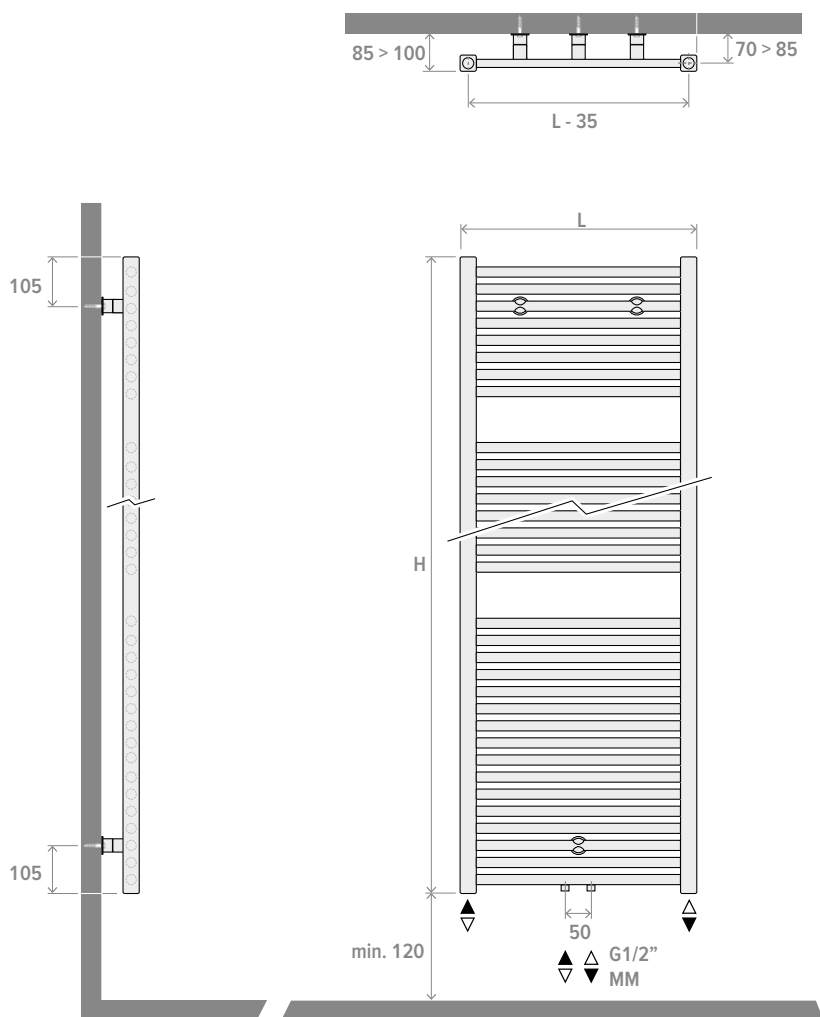
enter colour code



SANI RONDA

EN 442

DIMENSIONS (in mm)



ORDER CODE

SROW 093 050 233 MM
Length
Height

STANDARD DELIVERY

- universal central connection MM and 18/81 underneath
- wall fixing
- chrome-plated air vent and 3 drain plugs G1/2"

COLOURS

Eco-friendly, scratch-resistant powder coating with high UV-resistance

Standard colours

- traffic white RAL 9016 (233). Glossy: smooth gloss finish, gloss degree +/- 70%
- sandblast grey (001), fine texture metallic lak
- off-black RAL 7021 (145) Soft touch: finely-textured matte look, gloss degree < 10%

SANI RONDA

HEIGHT H cm	LENGTH L cm	HEATING Room temperature 20°C			WEIGHT kg	WATER CONTENT L	ORDER CODE
		45/40 Watts	55/45 Watts	75/65 Watts			
SROW 093	050	178	255	494	8	4.0	SROW 093 050 233
	060	208	299	581	9	4.6	SROW 093 060 233
122	040	195	281	546	10	5.7	SROW 122 040 233
	050	237	341	665	11	6.5	SROW 122 050 233
	060	279	402	784	13	7.3	SROW 122 060 233
137	040	219	316	617	11	6.5	SROW 137 040 233
	050	267	385	752	12	7.5	SROW 137 050 233
	060	314	453	887	14	8.4	SROW 137 060 233
	070	362	522	1022	16	9.4	SROW 137 070 233
175	040	269	389	766	14	8.3	SROW 175 040 233
	050	327	473	931	16	7.5	SROW 175 050 233
	060	385	558	1097	19	10.7	SROW 175 060 233
	070	443	642	1262	21	11.9	SROW 175 070 233
	080	502	726	1428	23	13.1	SROW 175 080 233
205	060	458	665	1314	22	12.8	SROW 205 060 233
	070	527	764	1509	25	14.3	SROW 205 070 233
	080	596	864	1705	28	15.7	SROW 205 080 233

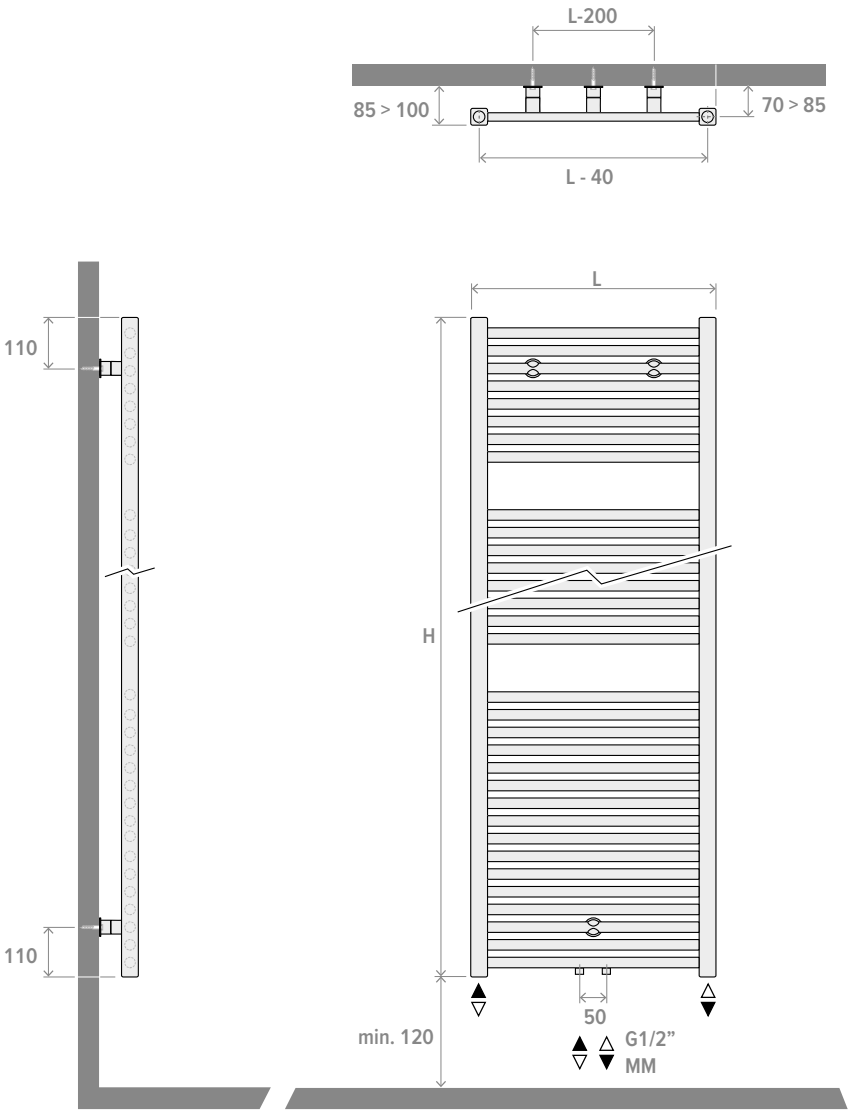
EN442 output at 20°C



SANI BASIC



DIMENSIONS (in mm)



ORDER CODE

SBAW 094 050 233 MM

Length

Height

STANDARD DELIVERY

- universal central connection MM and 18/81 underneath
- wall fixing
- chrome-plated air vent and 3 drain plugs G1/2"

COLOURS

Eco-friendly, scratch-resistant powder coating with high UV-resistance

Standard colours
traffic white RAL 9016 (233) matte satin

SANI BASIC

HEIGHT H cm	LENGTH L cm	HEATING Room temperature 20°C			WEIGHT kg	WATER CONTENT L	ORDER CODE
		45/40	55/45	75/65			
		Watts	Watts	Watts			
SBAW 094 050		156	223	427	7	3.7	SBAW 094 050 233 MM
132 050		220	315	605	10	5.2	SBAW 132 050 233 MM
060		257	368	706	12	5.9	SBAW 132 060 233 MM
170 050		280	402	775	13	6.7	SBAW 170 050 233 MM
060		330	472	906	16	7.6	SBAW 170 060 XXX MM
198 060		394	563	1081	18	9.0	SBAW 198 060 XXX MM
075		484	689	1317	22	10.6	SBAW 198 075 XXX MM

EN442 output at 20°C

RESISTOR WITH CONTROL



ecodesign2018
compliant

- resistance class II, with a stainless steel sleeve $\varnothing$ 1.4 cm.
- protection category IP 54
- supply voltage: 230 V mono - 50 Hz
- connection cable for socket outlet connection, length 0.80 m. Do NOT use and insulate the black communication wire.
- casing: ABS/PC white
- day and week schedule
- set range: from $+7^{\circ}\text{C}$ to $+30^{\circ}\text{C}$, factory setting 19°C .
- touch control system
- LCD display with backlight
- operating modes: Auto/Comfort/Eco/Standby/Frost protection.
- including open window detection
- boost mode regulable between 10 and 90 minutes, with a 5 min interval.
- automatic display of energy consumption according to the set temperature.
- indication of energy consumption in kWh per 24 hours or since the last reset
- with child lock
- locked with PIN code
- overheating protection

WHICH OUTPUT DO I CHOOSE?

Select the output of the electrical resistance with a maximum of 25% higher than the output of the radiators for central heating at the 75/65/20 regime.

CODE	WATTS	L
ELEMENT WITHOUT T-PIECE		
9096.0300	300	40
9096.0500	500	48
9096.0750	750	60
9096.1000	1000	72
9096.1250	1250	85
ELEMENT WITH 1 T-PIECE		
9096.0300/. . .	300	40
9096.0500/. . .	500	48
9096.0750/. . .	750	60
9096.1000/. . .	1000	72
9096.1250/. . .	1250	85
ELEMENT WITH 2 T-PIECES		
9096.0300/. . . /2	300	40
9096.0500/. . . /2	500	48
9096.0750/. . . /2	750	60
9096.1000/. . . /2	1000	72
9096.1250/. . . /2	1250	85

enter colour code:
009 (chrome-plated)
133 (traffic white RAL 9016)

INFRA-RED REMOTE CONTROL



Met houder voor wandbevestiging.

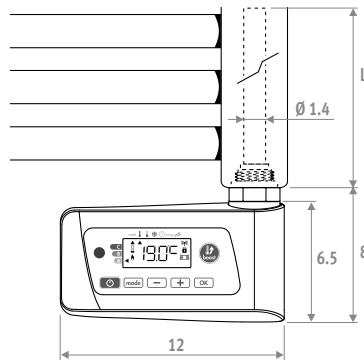
- features
- ambient temperature display
- selection Auto/Comfort/Eco/Standby/Frost protection
- boost activation
- adjust temperature and boost duration

CODE

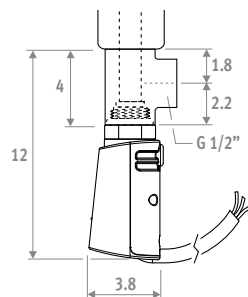
9096.020101

DIMENSIONS

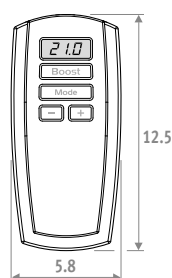
100% electric



MIXTE CONNECTION



Remote control

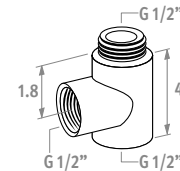


CONNECTION

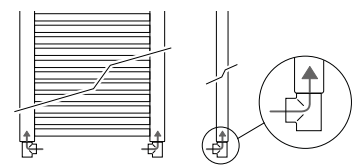
- Mount the electric resistance vertically in connection 1 or 8. Place the supplied pressure relief valve (3 bar) in the air vent opening at the top. Never switch on the unit without a full water filling.

T-PIECE

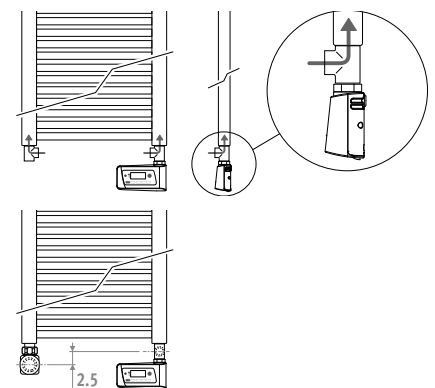
- Use the T-piece together with the resistance to connect to the central heating system. Never isolate the radiator from the expansion tank, in other words, NEVER close the return valve of the radiator.



For side or rear connection

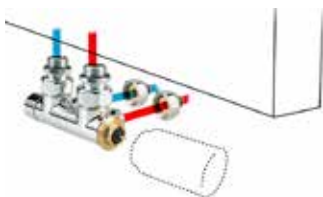


Mixte connection



To the wall - DECO PRO VALVE

Complete chrome set



set **41** KVS: 1.65 / 2.20
TWO PIPE / ONE PIPE

CODE PW3 AC 1...	AC	
CODE PW3 AW 1...	AW	
CODE PW3 AS 1...	AS	
CODE PW3 AB 1...	AB	

fill in sleeve coupling code

Set in brushed stainless steel effect (SS)



set **48** KVS: 1.65 / 2.20
TWO PIPE / ONE PIPE

CODE PW3 PS 1...	PS	
------------------	----	--

fill in sleeve coupling code

Set in brushed stainless steel effect (SS)



set **48** KVS: 1.65 / 2.20
TWO PIPE / ONE PIPE

CODE PW3 PA 1...	PA	
------------------	----	--

fill in sleeve coupling code

To the floor - DECO PRO VALVE

Complete chrome set



set **42** KVS: 1.65 / 2.20
TWO PIPE / ONE PIPE

CODE PF3 AC 1...	AC	
CODE PF3 AW 1...	AW	
CODE PF3 AS 1...	AS	
CODE PF3 AB 1...	AB	

fill in sleeve coupling code

Set in brushed stainless steel effect (SS)



set **48** KVS: 1.65 / 2.20
TWO PIPE / ONE PIPE

CODE PF3 PS 1...	PS	
------------------	----	--

fill in sleeve coupling code

Set in brushed stainless steel effect (SS)



set **48** KVS: 1.65 / 2.20
TWO PIPE / ONE PIPE

CODE PF3 PA 1...	PA	
------------------	----	--

fill in sleeve coupling code

Sleeve coupling codes M24

PRECISION METAL TUBE		SYNTHETIC	
CODE	Tube Ø	CODE	Tube Ø
110	10/1	212	12/2
112	12/1	219	16/1.5
114	14/1	216	16/2
115	15/1	217	17/2
118	18/1	218	18/2
RPE/ALU		STEEL TUBE FOR C.H.	
CODE	Tube Ø	CODE	Tube Ø
314	14/2	501	M24 x 1/2"
316	16/2	503	M24 x 3/8"
326	16/2.2		
318	18/2		

For extensive information on valves, see the brochure "Connection sets & Valves"

The indicated outputs at ΔT 50 are exact values, measured in accordance with EN442. This table provides a calculated value using an average correction factor for all other ΔT outputs, valid for all dimensions.

Click www.jaga.com/selection-tools/ to download the calculation tools with the exact outputs. The online calculation tools are kept up to date with the most recent data. Minor output differences between printed tables and the different online calculation tools are therefore completely normal and within the margins of tolerance imposed by the standard.

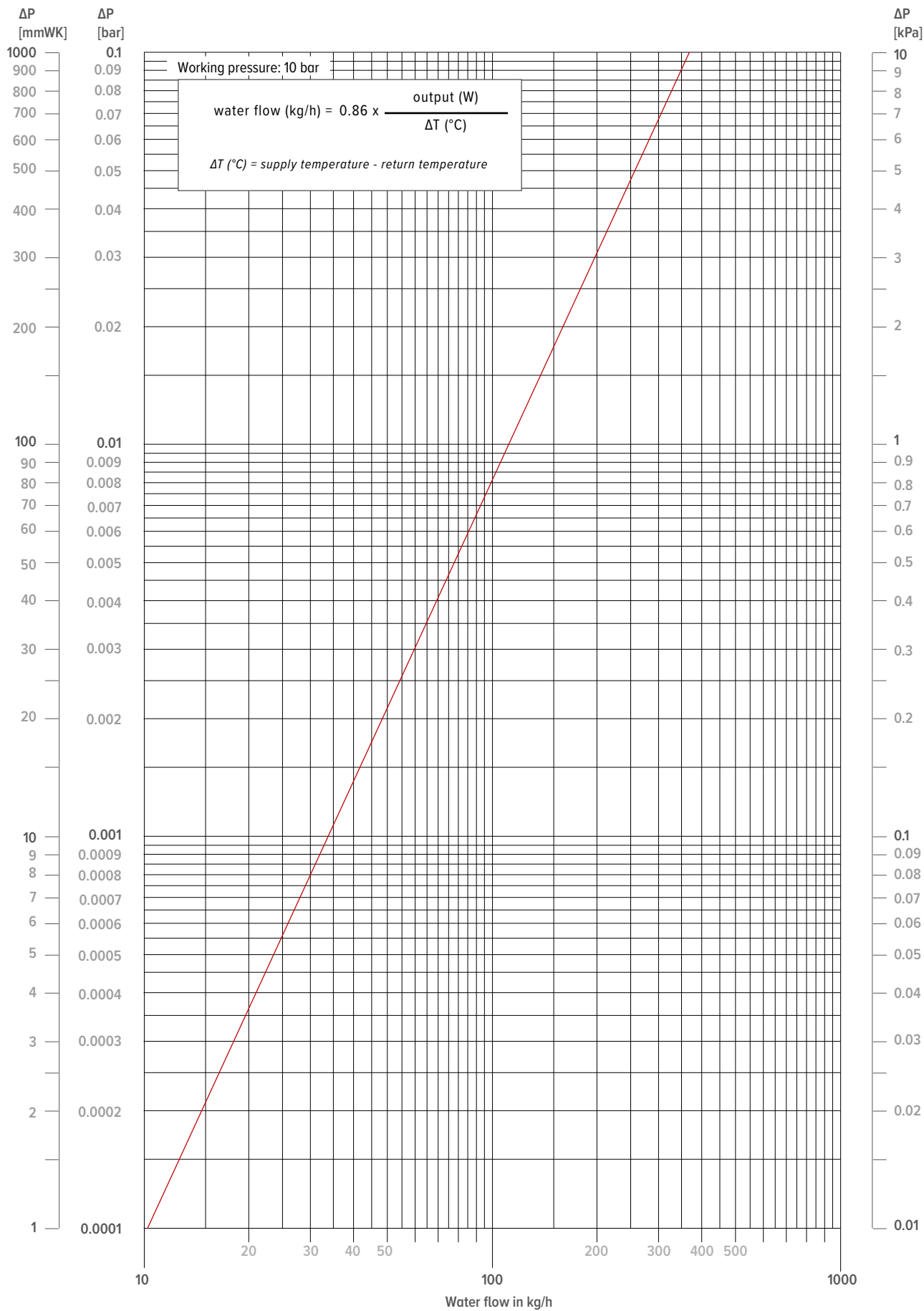
AVERAGE CORRECTION FACTORS FOR STATIC PRODUCTS ACCORDING TO EN442 - 75/65/20°C

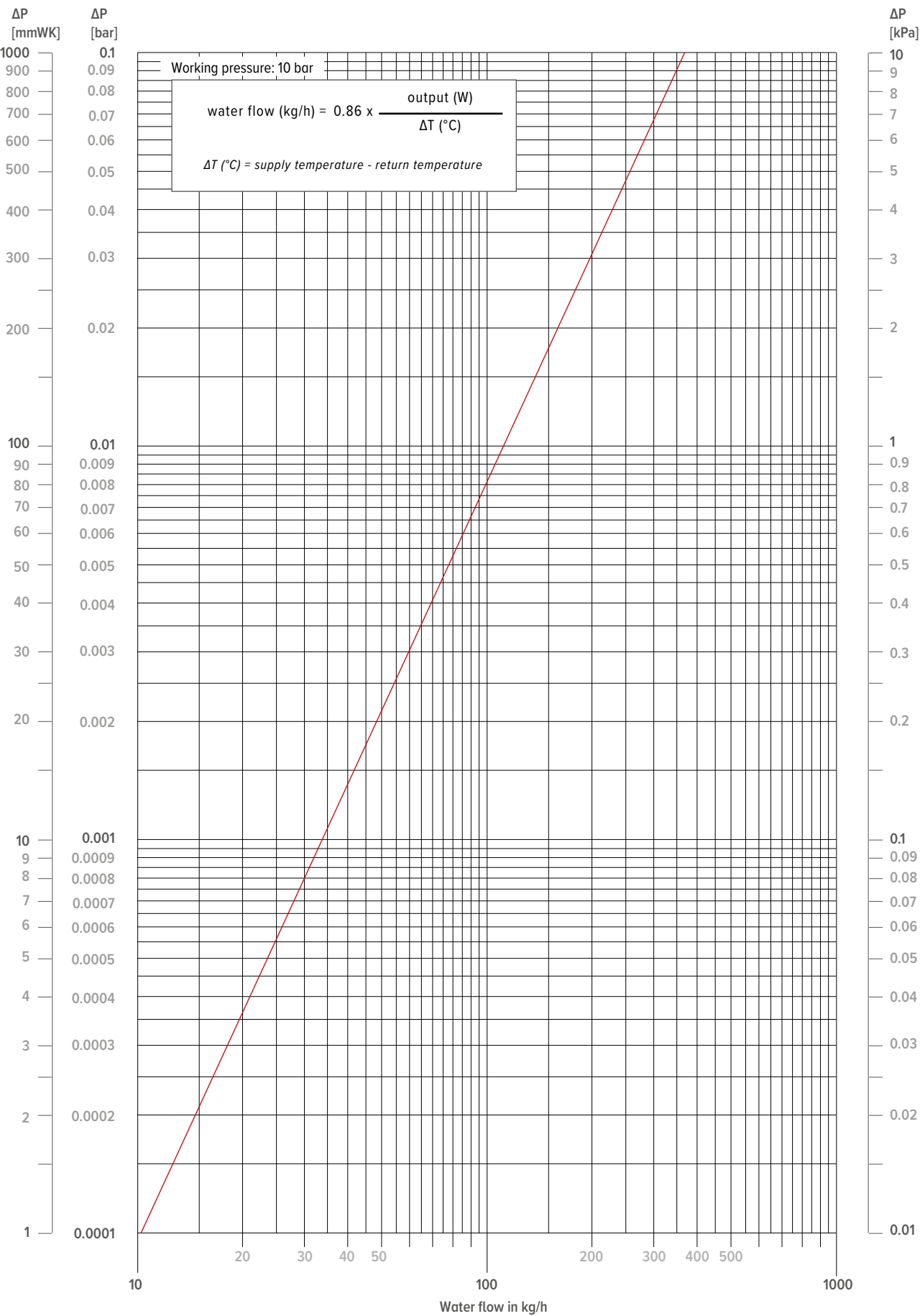
room temperature: 20°C										Average N-value: 1.36											
	TR	65	60	55	50	45	40	35	30	25		TR	65	60	55	50	45	40	35	30	25
TA											TA										
75		1.00	0.93	0.85	0.77	0.69	0.61	0.52	0.42	0.31	75		0.89	0.82	0.75	0.67	0.59	0.51	0.41	0.31	0.16
70		0.94	0.87	0.79	0.72	0.64	0.56	0.48	0.39	0.28	70		0.83	0.76	0.69	0.62	0.54	0.47	0.38	0.28	0.14
65			0.80	0.74	0.67	0.60	0.52	0.44	0.35	0.25	65			0.70	0.64	0.57	0.50	0.43	0.35	0.25	0.12
60				0.68	0.61	0.55	0.48	0.40	0.32	0.23	60				0.58	0.52	0.45	0.38	0.31	0.23	0.11
55					0.56	0.50	0.43	0.36	0.29	0.20	55					0.47	0.41	0.34	0.28	0.20	0.09
50						0.44	0.38	0.32	0.25	0.18	50						0.36	0.30	0.24	0.17	0.08
45							0.34	0.28	0.22	0.15	45							0.26	0.20	0.14	0.06
40								0.24	0.19	0.13	40								0.17	0.12	0.05
35									0.15	0.10	35									0.09	0.03
30										0.07	30										0.02

room temperature: 24°C										Average N-value: 1.36											
	TR	65	60	55	50	45	40	35	30	25		TR	65	60	55	50	45	40	35	30	25
TA											TA										
75											75		0.89	0.82	0.75	0.67	0.59	0.51	0.41	0.31	0.16
70											70		0.83	0.76	0.69	0.62	0.54	0.47	0.38	0.28	0.14
65											65			0.70	0.64	0.57	0.50	0.43	0.35	0.25	0.12
60											60				0.58	0.52	0.45	0.38	0.31	0.23	0.11
55											55					0.47	0.41	0.34	0.28	0.20	0.09
50											50						0.36	0.30	0.24	0.17	0.08
45											45							0.26	0.20	0.14	0.06
40											40								0.17	0.12	0.05
35											35									0.09	0.03
30											30										0.02

GUIDELINE FOR LIMITING FLOW NOISE

TUBE	outer Ø	Wall thick- ness	Max. water speed (EN10255)	water content per metre	max. water flow	Maximum power at ΔT (° C) (T supply - T return)						
						ΔT 30	ΔT 20	ΔT 10	ΔT 5	ΔT 4	ΔT 3	ΔT 2
						mm	mm	m/s	l	kg/h	Watts	Watts
GALVANISED PIPE DIN 2440												
3/8 DN10 OD	17.2	2.35	0.40	0.12	173	6028	4019	2009	1005	804	603	402
1/2 DN15 OD	21.3	2.65	0.40	0.20	288	10046	6698	3349	1674	1340	1005	670
3/4 DN20 OD	26.9	2.65	0.42	0.37	559	19515	13010	6505	3253	2602	1952	1301
1 DN25 OD	33.7	3.25	0.49	0.58	1023	35690	23793	11897	5948	4759	3569	2379
1 1/4 DN32 OD	42.4	3.25	0.60	1.01	2182	76101	50734	25367	12684	10147	7610	5073
1 1/2 DN40 OD	48.3	3.25	0.66	1.37	3255	113549	75700	37850	18925	15140	11355	7570
2 DN50 OD	60.3	3.65	0.80	2.21	6365	222025	148017	74008	37004	29603	22203	14802
PRECISION METAL TUBE												
10/1	10	1.00	0.40	0.05	72	2512	1674	837	419	335	251	167
12/1	12	1.00	0.40	0.08	115	4019	2679	1340	670	536	402	268
14/1	14	1.00	0.40	0.11	158	5526	3684	1842	921	737	553	368
15/1	15	1.00	0.40	0.13	187	6530	4353	2177	1088	871	653	435
16/1	16	1.00	0.40	0.15	216	7535	5023	2512	1256	1005	753	502
18/1	18	1.00	0.40	0.20	288	10046	6698	3349	1674	1340	1005	670
22/1	22	1.00	0.40	0.31	446	15572	10381	5191	2595	2076	1557	1038
28/1	28	1.00	0.47	0.53	904	31522	21014	10507	5254	4203	3152	2101
RPE/ALU												
12/2	12	2.00	0.40	0.05	72	2512	1674	837	419	335	251	167
14/2	14	2.00	0.40	0.08	115	4019	2679	1340	670	536	402	268
16/1.5	16	1.50	0.40	0.13	187	6530	4353	2177	1088	871	653	435
16/2	16	2.00	0.40	0.11	158	5526	3684	1842	921	737	553	368
17/2	17	2.00	0.40	0.13	187	6530	4353	2177	1088	871	653	435
18/2	18	2.00	0.40	0.15	216	7535	5023	2512	1256	1005	753	502
20/2	20	2.00	0.40	0.20	288	10046	6698	3349	1674	1340	1005	670
26/3	26	3.00	0.40	0.31	446	15572	10381	5191	2595	2076	1557	1038
32/3	32	3.00	0.47	0.53	904	31522	21014	10507	5254	4203	3152	2101
40/3.5	40	3.50	0.56	0.86	1726	60220	40147	20073	10037	8029	6022	4015
50/4.25	50	4.25	0.66	1.35	3206	111824	74549	37275	18637	14910	11182	7455
63/5	63	5.00	0.80	2.21	6346	221359	147573	73786	36893	29515	22136	14757







JAGA INTERNATIONAL JAGA NV

In need of some advice? Make an appointment at the Jaga Advice Centre.

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