Heating

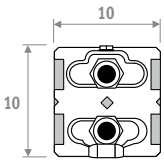
jaga

CLIMATE DESIGNERS

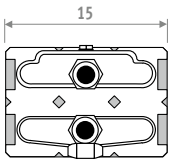
TEMPO TECHNICAL INFORMATION

€.EX

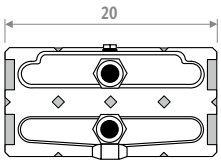
TEMPO ▪ OVERVIEW HEAT EXCHANGERS



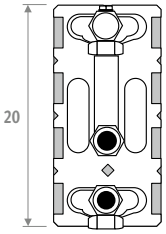
Type 10



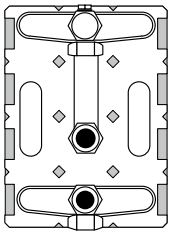
Type 15



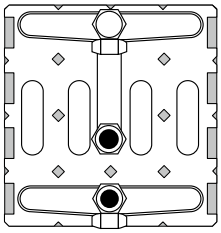
Type 20



Type 11



Type 16



Type 21

Weight and water content without packaging or options.

WALL MOUNTED MODEL WEIGHT (IN KG/METRE)

Type	H 20	30	40	50	60	70
10	5.4	6.6	7.8	9.0	10.3	11.5
11	---	8.2	9.4	10.7	11.9	13.1
15	6.7	8.1	9.5	10.8	12.2	13.6
16	---	10.8	12.2	13.6	14.9	16.3
20	8.3	9.8	11.3	12.9	14.4	15.9
21	---	13.4	14.9	16.4	17.9	19.4

WATER CONTENT (IN LITRES/METRE)

Type	All heights
10	0.65
11	1.33
15	0.98
16	1.98
20	1.32
21	2.66

FREESTANDING MODEL WEIGHT (IN KG/METRE)

Type	H 20	30	40	50
10	8.2	10.2	12.2	14.2
11	---	11.9	13.9	15.9
15	9.7	11.8	14.0	16.1
16	---	14.7	16.9	19.0
20	11.2	13.5	15.7	18.0
21	---	17.1	19.4	21.7

CORRECTION FACTORS STATISCH

The indicated outputs with ΔT 50 and ΔT 30 are the exact outputs. ΔT 50 output measured in accordance with EN442 and ΔT 30 output calculated according to EN442. An average correction factor is given in this table for all other ΔT outputs, applicable for all dimensions.

At *www.jaga.com/downloads/selectiontools* you can 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

Room temperature: 20°C **Average N-value: 1.36**

	Tr 65	60	55	50	45	40	35	30	25
Ta									
75	1.00	0.93	0.85	0.77	0.69	0.61	0.52	0.42	0.31
70	0.94	0.87	0.79	0.72	0.64	0.56	0.48	0.39	0.28
65		0.80	0.74	0.67	0.60	0.52	0.44	0.35	0.25
60			0.68	0.61	0.55	0.48	0.40	0.32	0.23
55				0.56	0.50	0.43	0.36	0.29	0.20
50					0.44	0.38	0.32	0.25	0.18
45						0.34	0.28	0.22	0.15
40							0.24	0.19	0.13
35								0.15	0.10
30									0.07

Room temperature: 24°C **Average N-value: 1.36**

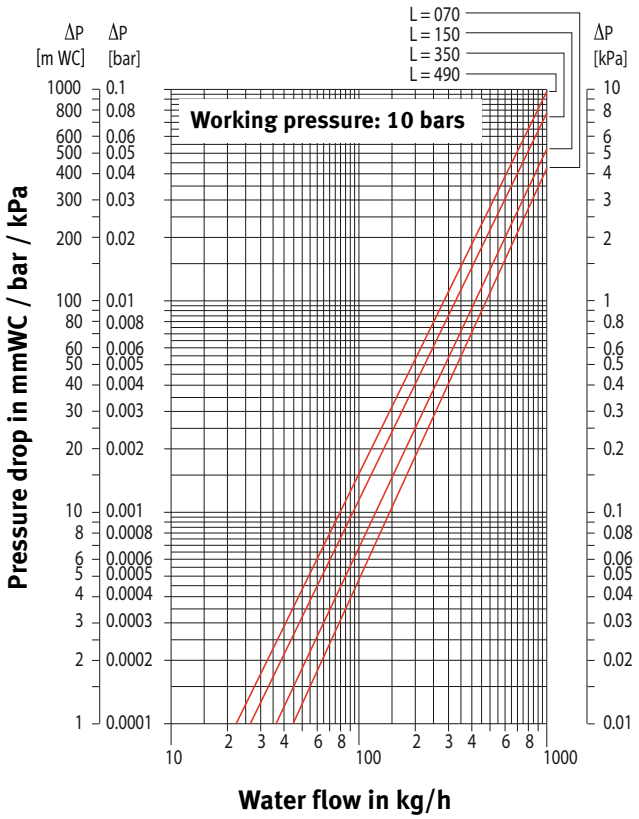
	Tr 65	60	55	50	45	40	35	30	25
Ta									
75	0.89	0.82	0.75	0.67	0.59	0.51	0.41	0.31	0.16
70	0.83	0.76	0.69	0.62	0.54	0.47	0.38	0.28	0.14
65		0.70	0.64	0.57	0.50	0.43	0.35	0.25	0.12
60			0.58	0.52	0.45	0.38	0.31	0.23	0.11
55				0.47	0.41	0.34	0.28	0.20	0.09
50					0.36	0.30	0.24	0.17	0.08
45						0.26	0.20	0.14	0.06
40							0.17	0.12	0.05
35								0.09	0.03
30									0.02

RECOMMENDED MAXIMUM WATER FLOW
DEPENDING ON THE PIPE DIAMETER AT A MAX. WATER FLOW OF 0.4 M / S

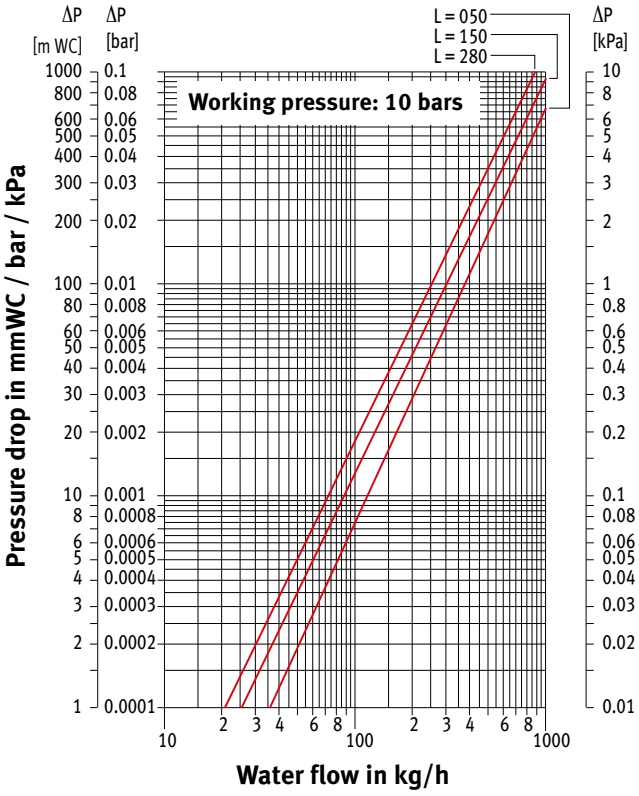
Tube	Outer Ø	Wall thikness	Maximum flow	Maximum power at ΔT (° C) (T supply - T return))				
				ΔT 2	ΔT 5	ΔT 10	ΔT 20	ΔT 30
	mm	mm	kg/h	Watt	Watt	Watt	Watt	Watt
10/1	10.0	1.0	72	168	421	841	1682	2524
12/1	12.0	1.0	113	263	657	1314	2629	3943
12/2	12.0	2.0	72	168	421	841	1682	2524
14/1	14.0	1.0	163	379	946	1893	3785	5678
14/2	14.0	2.0	113	263	657	1314	2629	3943
15/1	15.0	1.0	191	444	1111	2221	4443	6664
16/1	16.0	1.0	222	515	1288	2576	5152	7729
16/1.5	16.0	1.5	191	444	1111	2221	4443	6664
16/2	16.0	2.0	163	379	946	1893	3785	5678
16/2.2	16.0	2.2	152	354	884	1769	3537	5306
17/2	17.0	2.0	191	444	1111	2221	4443	6664
3/8"	17.1	3.2	129	301	752	1505	3010	4515
18/1	18.0	1.0	289	673	1682	3365	6730	10095
18/2	18.0	2.0	222	515	1288	2576	5152	7729
20/2	20.0	2.0	289	673	1682	3365	6730	10095
1/2"	21.3	3.7	217	504	1259	2518	5035	7553
26/3	26.0	3.0	452	1052	2629	5258	10515	15773

TEMPO ▪ PRESSURE DROP

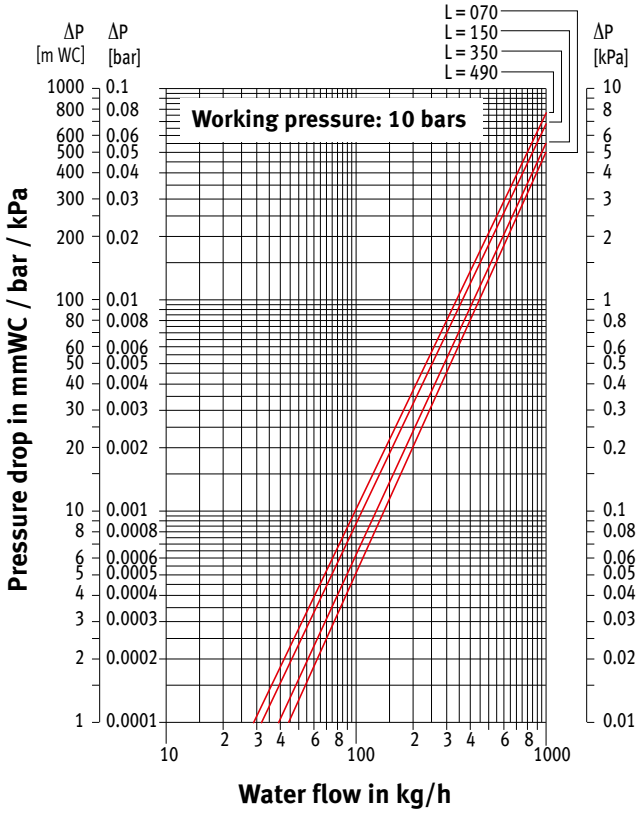
PRESSURE DROP TYPE 10



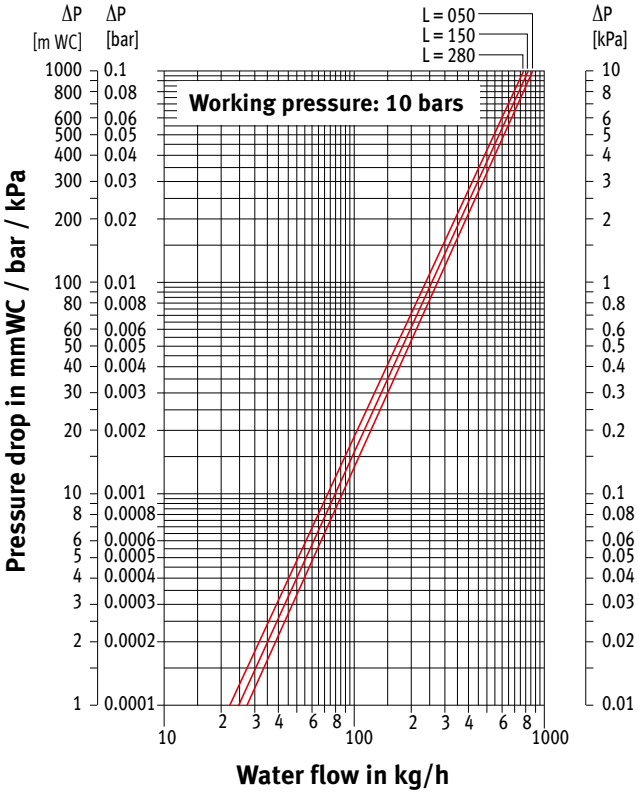
PRESSURE DROP TYPE 11



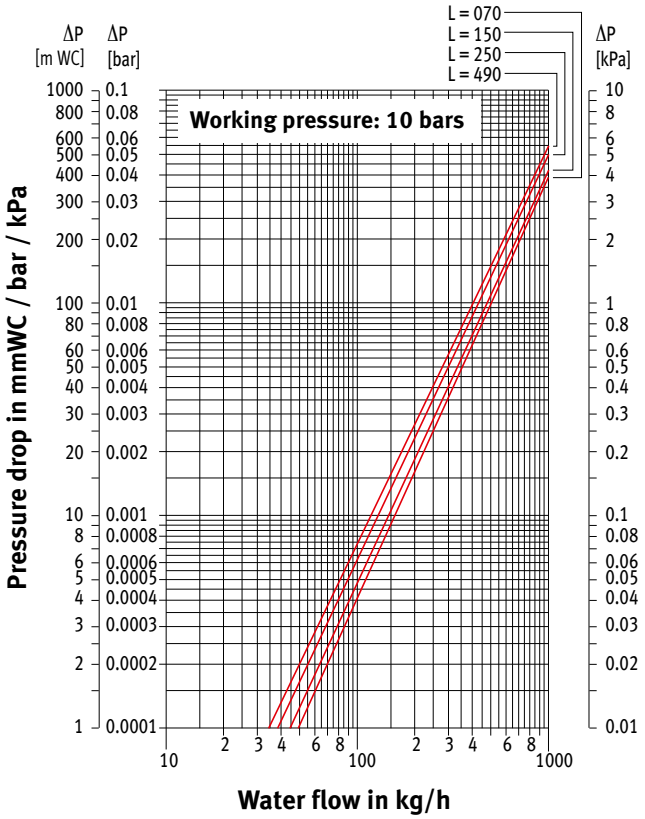
PRESSURE DROP TYPE 15



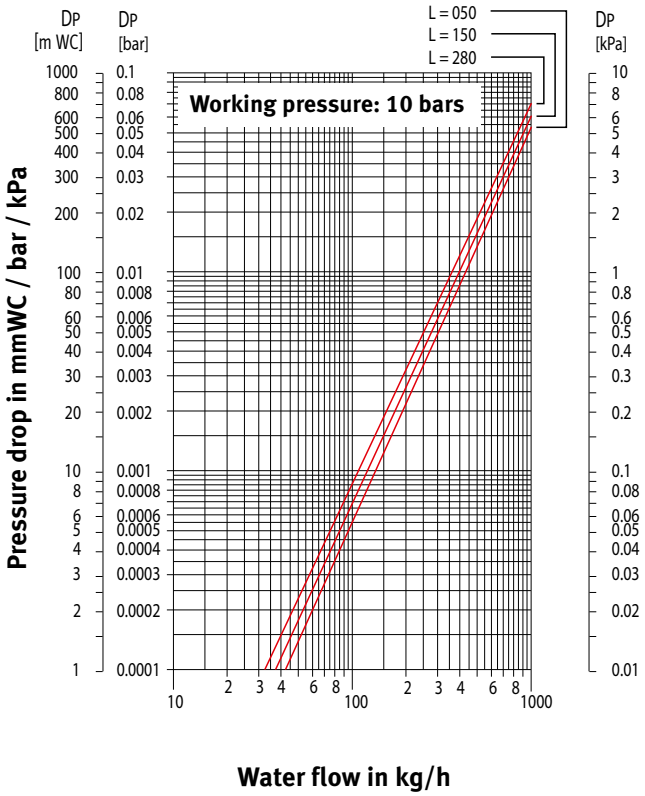
PRESSURE DROP TYPE 16



PRESSURE DROP TYPE 20



PRESSURE DROP TYPE 21



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All prices in Euro, exclude VAT. Prices valid from February 1, 2021.
Replaces all existing price lists.

050521 - JAGA N.V.