jaga

CLIMATE DESIGNERS

PANEL PLUS FREESTANDING

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PANEL PLUS FREESTANDING

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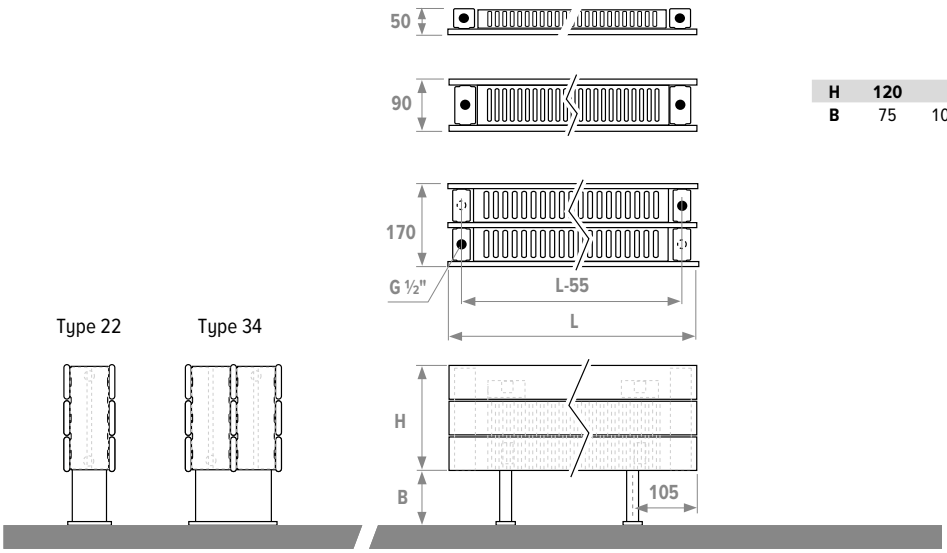
DIMENSIONS *(in mm)*



H	120	180	>180
B	75	100>130	120>170

STANDARD DELIVERY

- standard feet for installation on finished floor.
  Panel Plus height 12: fixed feet
  height: 7,5 cm
  Panel Plus height 18: adjustable feet
  height: 10 > 13 cm
  Panel Plus height > 18: adjustable feet
  height: 12 > 17 cm
- chrome-plated air vent and drain plug G1/2"
- pre-mounted grille
- connection 18 underneath

ORDER CODE

PPHF 012 080 22 XXX 18

- *Connection: 18 / 81*
- *Colour*
- *Type*
- *Length*
- *Height*

COLOURS

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

Standard colours

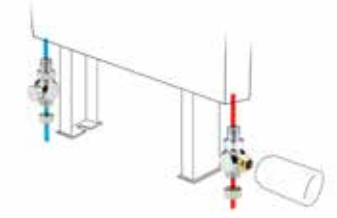
- traffic white RAL 9016 (333). Satin: smooth satin look, gloss degree +/- 30%
- sandblast grey (001), fine texture metallic lak
- off-black RAL 7021 (145) Soft touch: finely-textured matte look, gloss degree < 10%

Other colours

see Jaga colour chart. Surcharge: +20%

To the floor

Jaga Deco straight valve



set **34** **KVS: 0.3 / 2.50**

TWO PIPE

CODE JF2 AC 1...	AC	
CODE JF2 AW 1...	AW	
CODE JF2 AS 1...	AS	
CODE JF2 AB 1...	AB	

fill in sleeve coupling code

Sleeve coupling codes M24

PRECISION METAL TUBE	
CODE	*Tube Ø*
110	10/1
112	12/1
114	14/1
115	15/1
118	18/1

SYNTHETIC	
CODE	*Tube Ø*
212	12/2
219	16/1.5
216	16/2
217	17/2
218	18/2

RPE/ALU	
CODE	*Tube Ø*
314	14/2
316	16/2
326	16/2.2
318	18/2

STEEL TUBE FOR C.H.	
CODE	*Tube Ø*
501	M24 x 1/2”
503	M24 x 3/8”

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

PANEL PLUS FREESTANDING

TECHNICAL TABLE

HEIGHT H cm	LENGTH L cm	TYPE T	HEATING Room temperature 20°C 45/40 Watts	55/45 Watts	75/65 Watts	WEIGHT kg	WATER CONTENT L	ORDER CODE
PPHF 012	060	22	---	---	---	---	---	---
	080		138	195	363	11	1.7	PPHF 012 080 22 XXX 18
	100		173	243	454	13	2.1	PPHF 012 100 22 XXX 18
	120		208	292	545	15	2.5	PPHF 012 120 22 XXX 18
	140		242	340	635	17	2.9	PPHF 012 140 22 XXX 18
	160		277	389	726	19	3.4	PPHF 012 160 22 XXX 18
	180		312	438	817	21	3.8	PPHF 012 180 22 XXX 18
	200		346	487	908	23	4.2	PPHF 012 200 22 XXX 18
	220		381	535	998	25	4.6	PPHF 012 220 22 XXX 18
	240		415	584	1089	27	5.0	PPHF 012 240 22 XXX 18
	260		450	633	1180	29	5.5	PPHF 012 260 22 XXX 18
	280		485	681	1271	31	5.9	PPHF 012 280 22 XXX 18
	300		519	730	1361		6.3	PPHF 012 300 22 XXX 18
018	060	22	---	---	---	---	---	---
	080		170	249	501		2.6	PPHF 018 080 22 XXX 18
	100		213	312	626	16	3.2	PPHF 018 100 22 XXX 18
	120		255	374	751	19	3.8	PPHF 018 120 22 XXX 18
	140		298	436	876	22	4.5	PPHF 018 140 22 XXX 18
	160		341	498	1001	24	5.1	PPHF 018 160 22 XXX 18
	180		383	561	1126	27	5.8	PPHF 018 180 22 XXX 18
	200		426	623	1252	30	6.4	PPHF 018 200 22 XXX 18
	220		468	686	1377	33	7.0	PPHF 018 220 22 XXX 18
	240		511	748	1502	36	7.7	PPHF 018 240 22 XXX 18
	260		553	810	1627	39	8.3	PPHF 018 260 22 XXX 18
	280		596	872	1752	42	9.0	PPHF 018 280 22 XXX 18
	300		639	935	1877	45	9.6	PPHF 018 300 22 XXX 18
024	060	22	162	238	477	12	2.6	PPHF 024 060 22 XXX 18
	080		216	317	636	16	3.5	PPHF 024 080 22 XXX 18
	100		270	395	794	19	4.4	PPHF 024 100 22 XXX 18
	120		324	475	953	23	5.3	PPHF 024 120 22 XXX 18
	140		378	554	1112	26	6.2	PPHF 024 140 22 XXX 18
	160		432	633	1271	30	7.0	PPHF 024 160 22 XXX 18
	180		486	712	1430	33	7.9	PPHF 024 180 22 XXX 18
	200		541	791	1589	37	8.8	PPHF 024 200 22 XXX 18
	220		595	870	1748	40	9.7	PPHF 024 220 22 XXX 18
	240		649	950	1907	44	10.6	PPHF 024 240 22 XXX 18
	260		702	1028	2065	47	11.4	PPHF 024 260 22 XXX 18
	280		757	1107	2224	51	12.3	PPHF 024 280 22 XXX 18
	300		811	1187	2383	54	13.2	PPHF 024 300 22 XXX 18
031	060	22	194	284	571	15	3.3	PPHF 031 060 22 XXX 18
	080		259	379	761	20	4.4	PPHF 031 080 22 XXX 18
	100		324	474	951	24	5.5	PPHF 031 100 22 XXX 18
	120		388	569	1142	28	6.6	PPHF 031 120 22 XXX 18
	140		453	663	1332	33	7.7	PPHF 031 140 22 XXX 18
	160		518	758	1522	37	8.8	PPHF 031 160 22 XXX 18
	180		583	853	1713	42	9.9	PPHF 031 180 22 XXX 18
	200		647	948	1903	46	11.0	PPHF 031 200 22 XXX 18
	220		712	1042	2093	50	12.1	PPHF 031 220 22 XXX 18
	240		777	1137	2283	55	13.2	PPHF 031 240 22 XXX 18
	260		842	1232	2474	59	14.3	PPHF 031 260 22 XXX 18
	280		906	1327	2664	64	15.4	PPHF 031 280 22 XXX 18
	300		971	1421	2854	68	16.5	PPHF 031 300 22 XXX 18
			EN442 output at 20°C					*enter colour code*

HEIGHT H cm	LENGTH L cm	TYPE T	HEATING Room temperature 20°C 45/40 Watts	55/45 Watts	75/65 Watts	WEIGHT kg	WATER CONTENT L	ORDER CODE
PPHF 012	060	34	---	---	---	---	---	---
	080		189	284	602		2.7	PPHF 012 080 22 XXX 18
	100		236	355	752	19	3.4	PPHF 012 100 22 XXX 18
	120		283	426	903	22	4.1	PPHF 012 120 22 XXX 18
	140		330	497	1053	26	4.8	PPHF 012 140 22 XXX 18
	160		377	568	1204	29	5.4	PPHF 012 160 22 XXX 18
	180		424	639	1354	33	6.1	PPHF 012 180 22 XXX 18
	200		472	711	1505	36	6.8	PPHF 012 200 22 XXX 18
	220		519	781	1655	39	7.5	PPHF 012 220 22 XXX 18
	240		566	853	1806	43	8.2	PPHF 012 240 22 XXX 18
	260		613	924	1956	46	8.8	PPHF 012 260 22 XXX 18
	280		660	994	2106	50	9.5	PPHF 012 280 22 XXX 18
	300		707	1066	2257	53	10.2	PPHF 012 300 22 XXX 18
018	060	34	---	---	---	---	---	---
	080		286	431	912		4.2	PPHF 018 080 22 XXX 18
	100		357	538	1140	27	5.2	PPHF 018 100 22 XXX 18
	120		429	646	1369	32	6.2	PPHF 018 120 22 XXX 18
	140		500	754	1597	37	7.3	PPHF 018 140 22 XXX 18
	160		572	862	1825	42	8.3	PPHF 018 160 22 XXX 18
	180		643	969	2053	47	9.4	PPHF 018 180 22 XXX 18
	200		715	1077	2281	52	10.4	PPHF 018 200 22 XXX 18
	220		786	1185	2509	57	11.4	PPHF 018 220 22 XXX 18
	240		858	1292	2737	61	12.5	PPHF 018 240 22 XXX 18
	260		929	1400	2965	66	13.5	PPHF 018 260 22 XXX 18
	280		1000	1508	3193	71	14.6	PPHF 018 280 22 XXX 18
	300		1072	1615	3421	76	15.6	PPHF 018 300 22 XXX 18
024	060	34	274	413	875	23	3.1	PPHF 024 060 22 XXX 18
	080		365	551	1166	29	4.1	PPHF 024 080 22 XXX 18
	100		457	688	1458	35	5.1	PPHF 024 100 22 XXX 18
	120		548	826	1749	42	6.1	PPHF 024 120 22 XXX 18
	140		639	964	2041	48	7.1	PPHF 024 140 22 XXX 18
	160		731	1101	2332	55	8.2	PPHF 024 160 22 XXX 18
	180		822	1239	2624	61	9.2	PPHF 024 180 22 XXX 18
	200		913	1376	2915	67	10.2	PPHF 024 200 22 XXX 18
	220		1005	1514	3207	74	11.2	PPHF 024 220 22 XXX 18
	240		1096	1652	3498	80	12.2	PPHF 024 240 22 XXX 18
	260		1187	1789	3790	87	13.3	PPHF 024 260 22 XXX 18
	280		1279	1927	4081	30	14.3	PPHF 024 280 22 XXX 18
	300		1370	2065	4373	6	15.3	PPHF 024 300 22 XXX 18
031	060	34	319	481	1018	28	3.8	PPHF 031 060 22 XXX 18
	080		425	641	1357	36	5.1	PPHF 031 080 22 XXX 18
	100		532	802	1697	44	6.4	PPHF 031 100 22 XXX 18
	120		638	962	2036	52	7.7	PPHF 031 120 22 XXX 18
	140		745	1122	2375	59	9.0	PPHF 031 140 22 XXX 18
	160		851	1283	2715	67	10.2	PPHF 031 160 22 XXX 18
	180		958	1443	3054	75	11.5	PPHF 031 180 22 XXX 18
	200		1064	1603	3393	83	12.8	PPHF 031 200 22 XXX 18
	220		1170	1763	3733	91	14.1	PPHF 031 220 22 XXX 18
	240		1277	1924	4072	99	15.4	PPHF 031 240 22 XXX 18
	260		1383	2084	4411	107	16.6	PPHF 031 260 22 XXX 18
	280		1490	2244	4751	37	17.9	PPHF 031 280 22 XXX 18
	300		1596	2404	5090	6	19.2	PPHF 031 300 22 XXX 18
			EN442 output at 20°C					*enter colour code*

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
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**

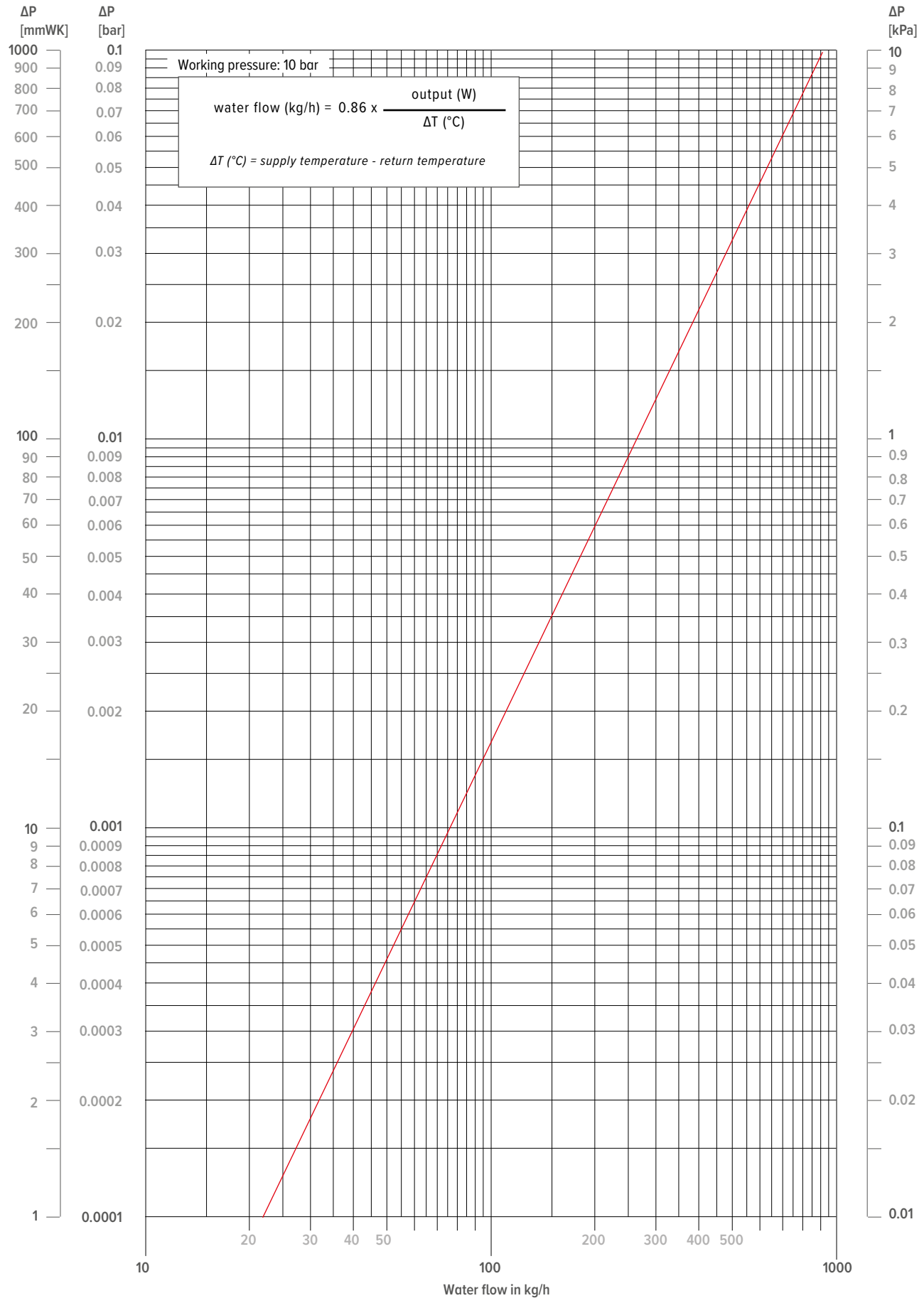
TR	65	60	55	50	45	40	35	30	25
TA									
75	0.89	0.82	0.75	0.67	0.59	0.51	0.41	0.31	0.16
70	0.83	0.76	0.69	0.62	0.54	0.47	0.38	0.28	0.14
65		0.70	0.64	0.57	0.50	0.43	0.35	0.25	0.12
60			0.58	0.52	0.45	0.38	0.31	0.23	0.11
55				0.47	0.41	0.34	0.28	0.20	0.09
50					0.36	0.30	0.24	0.17	0.08
45						0.26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

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*	*Watts*	*Watts*	*Watts*	*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

PANEL PLUS FREESTANDING

PRESSURE DROP



jaga CLIMATE DESIGNERS

JAGA INTERNATIONAL JAGA NV

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

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18/10/2024 - JAGA N.V.