



# TEMPO LST WALL-MOUNTED

The new standard in  
Low Surface Temperature radiators



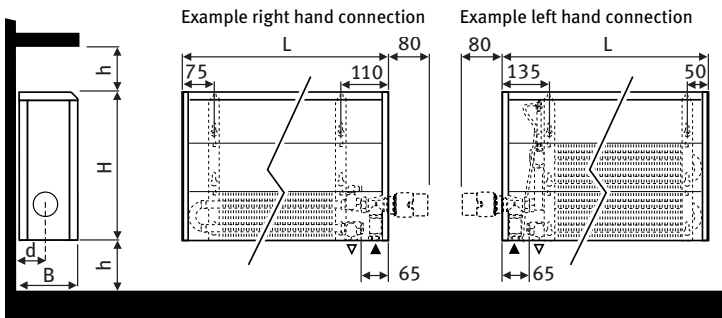
**jaga**

# Tempo LST Wall-Mounted

This product is specially designed to achieve cool touch casing temperatures, and to conform to the NHS Estates Health Guidance Note, without any loss of performance. NHS Estates Health Guidance Notes recommend how to meet the legal duty of care, and to avoid the risk of scalding and burning from hot water and hot surfaces.

## Dimensions

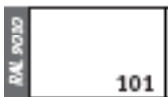
Product code: TEMW



Type	B	d	h (min)
10-11	118	53	100
15-16	168	78	120
20-21	218	103	150

Dimensions in mm

## Colour

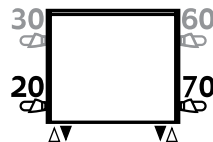


white

## Connections

### Standard connection

20 (bottom left) or 70 (bottom right)



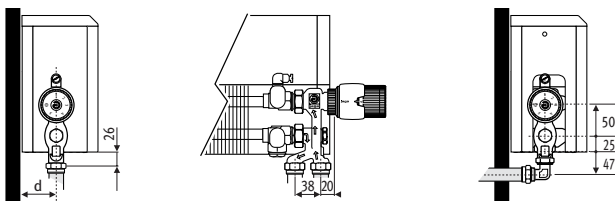
Jaga offers valves that can be concealed with the standard casing (other valves may be partially visible)

### Top valve connection

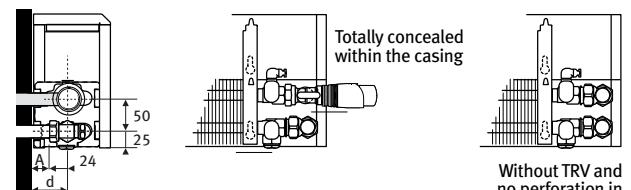
30 (top left) or 60 (top right)

For optional top valve - Add 30 (for top left) or 60 (for top right) to the ordering code TEMW /030/040/11/101/60

### Example of Jaga Pro valve - to the wall or the floor



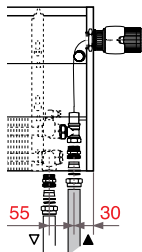
### Example of Jaga valve - to the wall



To select no perforation for TRV in the side panel - Add 00 to the ordering code TEMW /030/040/11/101/00

## Options

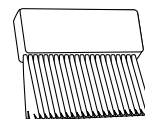
### Top valve



Please contact our office for more information and for prices of the high level valve kits available

Order code: 5090.13001

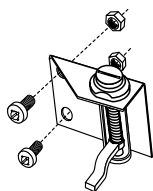
### Brush



Offers easy cleaning of the underside of the Low-H2O heat exchanger without the need to detach the casing

Order code: 5090.001

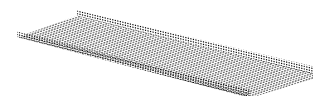
### Casing locks



- Comes with two locks per casing
- Requires tools to be detached

Order code: 5095.016

### Pencil-proof grille



- Prevents smaller objects or waste falling within the casing
- May effect output when used

# Outputs

Outputs in watts at 75/65/20°C & 55/45/20°C, in accordance with EN442

## Wall-Mounted Model Type 10

code height length type colour  
ORDER CODE: TEMW 020 040 10 101

(Example order code shown is for a 200mm high radiator, 400mm long, type 10)

H		L	400	500	600	700	800	900	1000	1100	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000
200	75/65/20	262	328	393	459	524	590	655	721	786	851	917	1048	1179	1310	1441	1572	1703	1834	1965
	55/45/20	127	159	191	223	255	287	318	350	382	414	446	509	573	637	700	764	827	891	955
300	75/65/20	330	413	496	578	661	743	826	909	991	1074	1156	1322	1487	1652	1817	1982	2148	2313	2478
	55/45/20	161	202	242	282	323	363	403	444	484	524	565	646	726	807	887	968	1049	1130	1210
400	75/65/20	385	482	578	674	770	867	963	1059	1156	1252	1348	1541	1733	1926	2119	2311	2504	2696	2889
	55/45/20	189	236	284	331	378	425	472	520	567	614	661	756	850	945	1040	1134	1229	1323	1417
500	75/65/20	430	538	646	753	861	968	1076	1184	1291	1400	1506	1722	1937	2152	2367	2582	2798	3013	3228
	55/45/20	212	265	318	371	424	477	530	584	636	689	742	849	955	1061	1167	1273	1379	1485	1591
600	75/65/20	468	585	702	819	936	1053	1170	1287	1404	1521	1638	1872	2106	2340	2574	2808	3042	3276	3510
	55/45/20	232	290	348	406	463	521	579	637	695	753	811	927	1043	1159	1275	1390	1506	1622	1738
700	75/65/20	499	624	749	874	998	1123	1248	1373	1498	1623	1747	1997	2246	2496	2746	2995	3245	3494	3744
	55/45/20	248	311	373	435	497	559	621	683	746	808	869	994	1118	1242	1367	1491	1615	1739	1863
900	75/65/20	548	685	821	958	1095	1232	1369	1506	1643	1780	1917	2190	2464	2738	3012	3286	3559	3833	4107
	55/45/20	275	344	412	481	550	619	688	756	825	893	963	1100	1238	1375	1513	1650	1788	1925	2063

### Supplied as Standard

- Colour 101
- Low-H2O heat exchanger
- Wall brackets
- Complete casing
- Fixing kit

## Wall-Mounted Model Twin Type 11

code height length type colour  
ORDER CODE: TEMW 030 040 11 101

(Example order code shown is for a 200mm high radiator, 400mm long, type 11)

H		L	400	500	600	700	800	900	1000	1100	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000
300	75/65/20	448	561	673	785	897	1009	1121	1233	1345	1457	1569	1794	2018	2242	2466	2690	2915	3139	3363
	55/45/20	215	269	323	376	430	484	537	591	645	698	752	860	967	1074	1182	1289	1397	1504	1612
400	75/65/20	506	632	758	885	1011	1138	1264	1390	1517	1643	1770	2022	2275	2528	2781	3034	3286	3539	3792
	55/45/20	243	303	363	424	485	546	606	666	727	787	849	969	1091	1212	1333	1455	1576	1697	1818
500	75/65/20	554	693	832	970	1109	1247	1386	1525	1663	1802	1940	2218	2495	2772	3049	3326	3604	3881	4158
	55/45/20	266	332	399	465	532	598	665	732	798	864	931	1064	1197	1330	1463	1596	1729	1862	1995
600	75/65/20	598	747	896	1046	1195	1345	1494	1643	1793	1942	2092	2390	2689	2988	3287	3586	3884	4183	4482
	55/45/20	287	359	430	502	574	646	717	789	861	932	1004	1147	1291	1434	1578	1721	1864	2008	2151
700	75/65/20	636	795	954	1113	1272	1431	1590	1749	1908	2067	2226	2544	2862	3180	3498	3816	4134	4452	4770
	55/45/20	305	382	458	534	611	687	764	840	916	992	1069	1222	1374	1527	1680	1832	1985	2138	2291
900	75/65/20	703	879	1055	1231	1406	1582	1758	1934	2110	2286	2461	2813	3164	3516	3868	4219	4571	4922	5274
	55/45/20	338	423	507	592	676	760	845	930	1014	1099	1183	1352	1521	1690	1859	2028	2197	2366	2535

### Supplied as Standard

- Colour 101
- Twin Low-H2O heat exchanger
- Wall brackets
- Complete casing
- Fixing kit

All dimensions are shown in millimetres



Output measured in accordance with EN442, at a water temperature of 75/65°C and a room temperature of 20°C (ΔT=50).

# Outputs

Outputs in watts at 75/65/20°C & 55/45/20°C, in accordance with EN442

## Wall-Mounted Model Type 15

code height length type colour  
ORDER CODE: TEMW 020 040 15 101

(Example order code shown is for a 200mm high radiator, 400mm long, type 15)

H	L	400	500	600	700	800	900	1000	1100	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000
200	75/65/20	436	545	654	763	872	981	1090	1199	1308	1526	1744	1962	2180	2398	2616	2834	3052	3270
	55/45/20	212	265	319	372	425	478	531	584	637	743	850	956	1062	1168	1274	1381	1487	1593
300	75/65/20	544	680	815	951	1087	1223	1359	1495	1631	1903	2174	2446	2718	2990	3262	3533	3805	4077
	55/45/20	267	333	399	466	533	599	666	733	799	933	1066	1199	1332	1465	1599	1732	1865	1998
400	75/65/20	627	784	941	1098	1254	1411	1568	1725	1882	2195	2509	2822	3136	3450	3763	4077	4390	4704
	55/45/20	309	386	464	541	618	695	773	850	928	1082	1237	1391	1546	1700	1855	2009	2164	2318
500	75/65/20	694	867	1040	1214	1387	1561	1734	1907	2081	2428	2774	3121	3468	3815	4162	4508	4855	5202
	55/45/20	344	430	516	602	688	774	860	946	1032	1204	1376	1548	1720	1892	2064	2236	2408	2580
600	75/65/20	746	933	1120	1306	1493	1679	1866	2053	2239	2612	2986	3359	3732	4105	4478	4852	5225	5598
	55/45/20	372	466	559	652	745	838	931	1024	1117	1303	1490	1676	1862	2048	2234	2421	2607	2793
700	75/65/20	789	986	1183	1380	1578	1775	1972	2169	2366	2761	3155	3550	3944	4338	4733	5127	5522	5916
	55/45/20	396	495	594	692	792	891	989	1088	1187	1385	1583	1781	1979	2177	2375	2573	2771	2968
900	75/65/20	848	1060	1272	1484	1696	1908	2120	2332	2544	2968	3392	3816	4240	4664	5088	5512	5936	6360
	55/45/20	431	538	646	754	861	969	1077	1185	1292	1508	1723	1938	2154	2369	2584	2800	3015	3231

### Supplied as Standard

- Colour 101
- Low-H2O heat exchanger
- Wall brackets
- Complete casing
- Fixing kit

## Wall-Mounted Model Twin Type 16

code height length type colour  
ORDER CODE: TEMW 030 040 16 101

(Example order code shown is for a 200mm high radiator, 400mm long, type 16)

H	L	400	500	600	700	800	900	1000	1100	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000
300	75/65/20	592	740	888	1036	1184	1332	1480	1628	1776	2072	2368	2664	2960	3256	3552	3848	4144	4440
	55/45/20	281	352	422	492	563	633	703	774	844	985	1126	1266	1407	1548	1688	1829	1970	2110
400	75/65/20	680	850	1020	1190	1360	1530	1700	1870	2040	2380	2720	3060	3400	3740	4080	4420	4760	5100
	55/45/20	323	403	484	564	645	726	806	887	968	1129	1290	1452	1613	1774	1935	2097	2258	2419
500	75/65/20	759	949	1139	1329	1518	1708	1898	2088	2278	2657	3037	3416	3796	4176	4555	4935	5314	5694
	55/45/20	359	449	539	629	719	809	898	988	1078	1258	1438	1617	1797	1977	2156	2336	2516	2695
600	75/65/20	834	1042	1250	1459	1667	1876	2084	2292	2501	2918	3334	3751	4168	4585	5002	5418	5835	6252
	55/45/20	394	492	591	689	788	886	985	1083	1182	1379	1575	1772	1969	2166	2363	2560	2757	2954
700	75/65/20	904	1130	1356	1582	1808	2034	2260	2486	2712	3164	3616	4068	4520	4972	5424	5876	6328	6780
	55/45/20	426	533	639	746	852	959	1065	1172	1279	1492	1705	1918	2131	2344	2557	2770	2983	3196
900	75/65/20	1038	1298	1558	1817	2077	2336	2596	2856	3115	3634	4154	4673	5192	5711	6230	6750	7269	7788
	55/45/20	487	609	732	853	975	1097	1219	1341	1463	1706	1950	2194	2438	2681	2925	3169	3413	3657

### Supplied as Standard

- Colour 101
- Twin Low-H2O heat exchanger
- Wall brackets
- Complete casing
- Fixing kit

All dimensions are shown in millimetres



Output measured in accordance with EN442, at a water temperature of 75/65°C and a room temperature of 20°C (ΔT=50).

# Outputs

Outputs in watts at 75/65/20°C & 55/45/20°C, in accordance with EN442

## Wall-Mounted Model Type 20

code height length type colour  
ORDER CODE: TEMW 020 040 20 101

(Example order code shown is for a 200mm high radiator, 400mm long, type 20)

H	L	400	500	600	700	800	900	1000	1100	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000
200	75/65/20	613	766	919	1072	1226	1379	1532	1685	1838	2145	2451	2758	3064	3370	3677	3983	4290	4596
	55/45/20	299	373	448	522	597	672	746	821	895	1045	1194	1343	1493	1642	1791	1940	2090	2239
300	75/65/20	762	953	1144	1334	1525	1715	1906	2097	2287	2668	3050	3431	3812	4193	4574	4956	5337	5718
	55/45/20	373	467	561	654	747	841	934	1028	1121	1308	1495	1682	1868	2055	2242	2429	2616	2802
400	75/65/20	878	1098	1318	1537	1757	1976	2196	2416	2635	3074	3514	3953	4392	4831	5270	5710	6149	6588
	55/45/20	433	541	650	758	866	974	1083	1191	1299	1516	1733	1949	2166	2382	2599	2816	3032	3249
500	75/65/20	970	1213	1455	1698	1940	2183	2425	2668	2910	3395	3880	4365	4850	5335	5820	6305	6790	7275
	55/45/20	481	602	722	842	962	1083	1203	1323	1443	1684	1924	2165	2405	2646	2886	3127	3367	3608
600	75/65/20	1043	1304	1565	1826	2086	2347	2608	2869	3130	3651	4173	4694	5216	5738	6259	6781	7302	7824
	55/45/20	520	651	781	911	1041	1171	1301	1432	1562	1822	2082	2342	2603	2863	3123	3383	3643	3904
700	75/65/20	1101	1377	1652	1927	2202	2478	2753	3028	3304	3854	4405	4955	5506	6057	6607	7158	7708	8259
	55/45/20	553	691	829	967	1105	1244	1382	1520	1659	1935	2211	2488	2764	3041	3317	3594	3870	4146
900	75/65/20	1183	1479	1774	2070	2366	2661	2957	3253	3548	4140	4731	5323	5914	6505	7097	7688	8280	8871
	55/45/20	601	751	901	1051	1202	1352	1502	1652	1802	2103	2403	2704	3004	3304	3605	3905	4206	4506

### Supplied as Standard

- Colour 101
- Low-H2O heat exchanger
- Wall brackets
- Complete casing
- Fixing kit

## Wall-Mounted Model Twin Type 21

code height length type colour  
ORDER CODE: TEMW 030 040 21 101

(Example order code shown is for a 200mm high radiator, 400mm long, type 20)

H	L	400	500	600	700	800	900	1000	1100	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000
300	75/65/20	779	974	1169	1364	1558	1753	1948	2143	2338	2727	3117	3506	3896	4286	4675	5065	5454	5844
	55/45/20	368	460	552	644	736	828	920	1012	1105	1288	1473	1656	1841	2025	2209	2393	2577	2761
400	75/65/20	910	1137	1364	1592	1819	2047	2274	2501	2729	3184	3638	4093	4548	5003	5458	5912	6367	6822
	55/45/20	428	535	641	749	855	963	1069	1176	1283	1497	1711	1925	2139	2353	2567	2780	2994	3208
500	75/65/20	1033	1291	1549	1807	2066	2324	2582	2840	3098	3615	4131	4648	5164	5680	6197	6713	7230	7746
	55/45/20	484	605	725	846	968	1088	1209	1330	1451	1693	1935	2177	2418	2660	2902	3144	3386	3628
600	75/65/20	1153	1441	1729	2017	2306	2594	2882	3170	3458	4035	4611	5188	5764	6340	6917	7493	8070	8646
	55/45/20	538	672	806	941	1076	1210	1344	1479	1613	1882	2151	2420	2688	2957	3226	3495	3764	4033
700	75/65/20	1271	1589	1906	2224	2542	2859	3177	3495	3812	4448	5083	5719	6354	6989	7625	8260	8896	9531
	55/45/20	590	738	885	1033	1181	1328	1476	1623	1771	2066	2361	2657	2952	3247	3542	3837	4132	4427
900	75/65/20	1508	1885	2262	2639	3016	3393	3770	4147	4524	5278	6032	6786	7540	8294	9048	9802	10556	11310
	55/45/20	694	868	1042	1215	1389	1562	1736	1910	2083	2431	2778	3125	3472	3819	4167	4514	4861	5208

### Supplied as Standard

- Colour 101
- Twin Low-H2O heat exchanger
- Wall brackets
- Complete casing
- Fixing kit

All dimensions are shown in millimetres







Output measured in accordance with EN442, at a water temperature of 75/65°C and a room temperature of 20°C (ΔT=50).

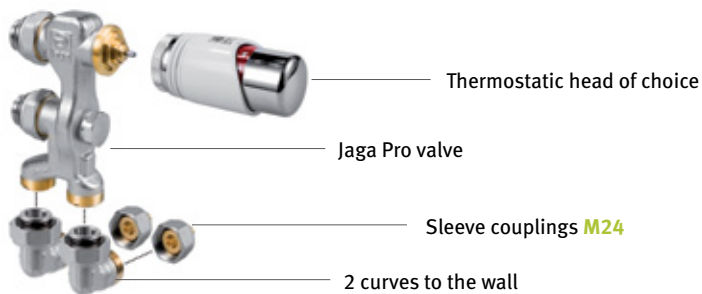
# Connection Sets

The order code of the connection set will be completed with the sleeve coupling code

## Set 11 Jaga Pro valve

**Two pipe** Connection to the wall - bottom of casing **Kv max. 0.6**

Code	Thermostatic head	
COLO.PW2.DW.3...	chrome / white	
COLO.PW2.DC.3...	chrome	
COLO.PW2.JA.3...	white	
COLO.PW2.JC.3...	silver	



### Thermostatic heads

**DW**



Chrome/ White

**DC**



Chrome

**JA**



White

**JC**



Silver

**RM**



Remote Controlled





**DS**

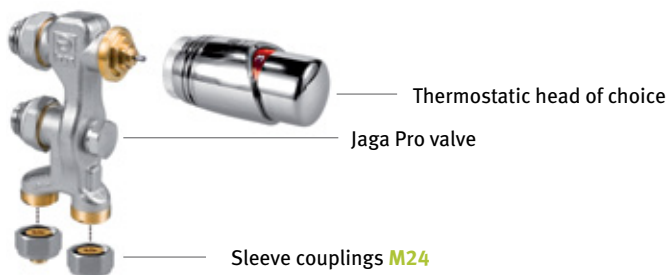


Chrome/white remote sensor

## Set 12 Jaga Pro valve





**Two pipe** Connection to the floor **Kv max. 0.6**

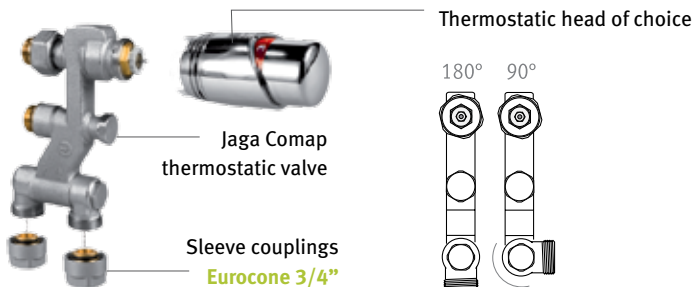
Code	Thermostatic head	
COLO.PF2.DW.3...	chrome / white	
COLO.PF2.DC.3...	chrome	
COLO.PF2.JA.3...	white	
COLO.PF2.JC.3...	silver	



## Set 26 Jaga Comap valve





**Two pipe** Universal valve set for connection to the wall or to the floor **Kv max. 0.6**

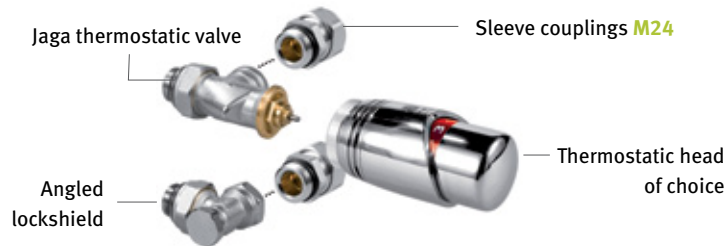
Code	Thermostatic head	
COLO.CP2.DW.4...	chrome / white	
COLO.CP2.DC.4...	chrome	
COLO.CP2.JA.4...	white	
COLO.CP2.JC.4...	silver	



## Set 21 Jaga valve

**Two pipe** Connection to the wall **Kv max. 0.6**

Code	Thermostatic head
COLO.JW2.DW.2...	chrome / white 
COLO.JW2.DC.2...	chrome 
COLO.JW2.JA.2...	white 
COLO.JW2.JC.2...	silver 



### Thermostatic heads

**DW**



Chrome/ White

**DC**



Chrome

**JA**



White

**JC**



Silver

**RM**



Remote Controlled





**DS**

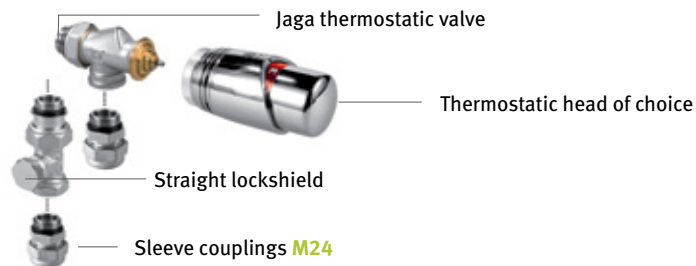


Chrome/white remote sensor

## Set 22 Jaga valve

**Two pipe** Connection to the floor **Kv max. 0.6**

Code	Thermostatic head
COLO.JF2.DW.2...	chrome / white 
COLO.JF2.DC.2...	chrome 
COLO.JF2.JA.2...	white 
COLO.JF2.JC.2...	silver 



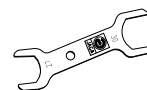
# Sleeve Couplings

Included in the price of the connection sets

Pro Key

Tool for easy mounting of the Jaga Pro valve.

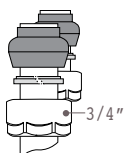
Code 5090.1120



## For Jaga Comap valve - Eurocone 3/4"

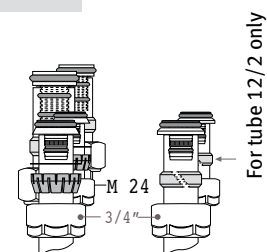
### For flexible steel or copper tube

Code	Tube Ø
112	12/1
114	14/1
115	15/1
116	16/1
118	18/1



### For synthetic or RPE/ALU tube

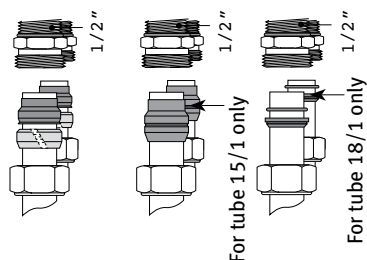
Code	Tube Ø
612	12/2
614	14/2
616	16/2
617	17/2
618	18/2
615	15/2.5
619	16/1.5
620	20/2



## For Jaga valve - M24

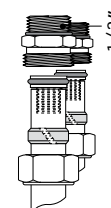
### For flexible steel or copper tube

Code	Tube Ø
110	10/1
112	12/1
114	14/1
115	15/1
116	16/1
118	18/1



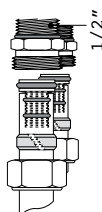
### For synthetic tube

Code	Tube Ø
212	12/2
214	14/2
219	16/1.5
216	16/2
217	17/2
218	18/2



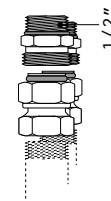
### For RPE/ALU tube

Code	Tube Ø
314	14/2
316	16/2
326	16/2.2
318	18/2



### Steel tube for CH

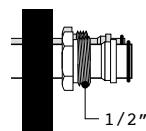
Code	Tube Ø
501	1/2"
503	3/8"



## Short Coupling - for Connection to the wall

### For flexible steel or copper tube Ø 15mm

Code	Tube Ø
125	15/1



Complete ordering code with sleeve couplings according to the material used and diameter of the tube. *The correct type of sleeve coupling is determined by the ordering code of the connection set*

Example: COLO. PW2.DW. 32. (insert relevant code from above)

## Correction factors

### Average correction factors according to EN442 - 75/65/20°C

Tv	Tl	Tr > 20	25	30	35	40	45	50	55	60	65	70	75	80	85
90	20	0.62	0.68	0.74	0.80	0.87	0.93	1.00	1.07	1.14	1.21	1.28	1.36	1.43	1.50
	24	0.52	0.58	0.64	0.70	0.76	0.83	0.89	0.96	1.03	1.10	1.17	1.24	1.31	1.38
85	20	0.56	0.62	0.68	0.74	0.80	0.87	0.93	1.00	1.07	1.14	1.21	1.28	1.36	
	24	0.47	0.52	0.58	0.64	0.70	0.76	0.83	0.89	0.96	1.03	1.10	1.17	1.24	
80	20	0.50	0.56	0.62	0.68	0.74	0.80	0.87	0.93	1.00	1.07	1.14	1.21		
	24	0.41	0.47	0.52	0.58	0.64	0.70	0.76	0.83	0.89	0.96	1.03	1.10		
75	20	0.44	0.50	0.56	0.62	0.68	0.74	0.80	0.87	0.93	1.00	1.07			
	24	0.36	0.41	0.47	0.52	0.58	0.64	0.70	0.76	0.83	0.89	0.96			
70	20	0.39	0.44	0.50	0.56	0.62	0.68	0.74	0.80	0.87	0.93				
	24	0.31	0.36	0.41	0.47	0.52	0.58	0.64	0.70	0.76	0.83				
65	20	0.34	0.39	0.44	0.50	0.56	0.62	0.68	0.74	0.80					
	24	0.26	0.31	0.36	0.41	0.47	0.52	0.58	0.64	0.70					
60	20	0.29	0.34	0.39	0.44	0.50	0.56	0.62	0.68						
	24	0.21	0.26	0.31	0.36	0.41	0.47	0.52	0.58						
55	20	0.24	0.29	0.34	0.39	0.44	0.50	0.56							
	24	0.17	0.21	0.26	0.31	0.36	0.41	0.47							
50	20	0.19	0.24	0.29	0.34	0.39	0.44								
	24	0.13	0.17	0.21	0.26	0.31	0.36								
45	20	0.15	0.19	0.24	0.29	0.34									
	24	0.09	0.13	0.17	0.21	0.26									
40	20	0.11	0.15	0.19	0.24										
	24	0.06	0.09	0.13	0.17										
35	20	0.05	0.08	0.12											
	24	0.03	0.06	0.09											

**KEY**  
 Tv = flow temperature  
 Tr = return temperature  
 Tl = desired air temperature

The indicated outputs with  $\Delta T$  50°C and  $\Delta T$  30°C are the exact outputs.  $\Delta T$  50°C outputs are measured in accordance with EN442 and  $\Delta T$  30°C outputs are calculated according to EN442.

An average correction factor is given in this table for outputs at other  $\Delta T$  and is applicable for all dimensions.

## How to choose the right radiator?

### Rapid estimation of heat losses

Calculate the volume of the room (L x W x H) and multiply this by the Watts/m<sup>3</sup> figure given in the table below. Choose according to the level of insulation and the desired room temperature.

Insulation	20°	24°
excellent	45	55
good	65	75
average	85	95
poor	100	115

Required output in Watts/m<sup>3</sup>

### Example

Use the table to determine the relevant correction factor with a water temperature of 80/60°C with a room temperature of 24°C.

The correction factor = 0.89

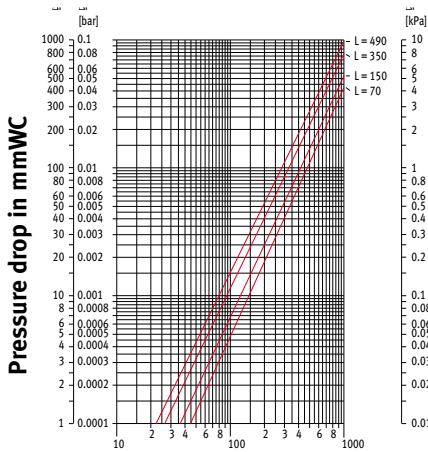
Required output 1000 watts : 1000 divided by 0.89 = 1124 watts therefore search in this leaflet's standard output table for a product with an output of at least 1124 watts. Alternatively use the "Radiator Finder" search function on [www.jaga.co.uk](http://www.jaga.co.uk) to identify all Jaga heating products with this required output.



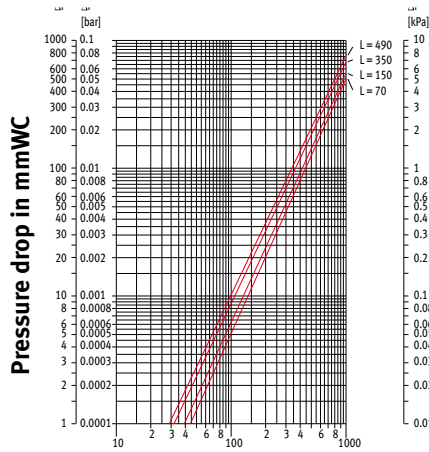
Output calculated in accordance with EN442, at a water temperature of 75/65°C and a room temperature of 20°C ( $\Delta T=50$ ).

# Pressure drops

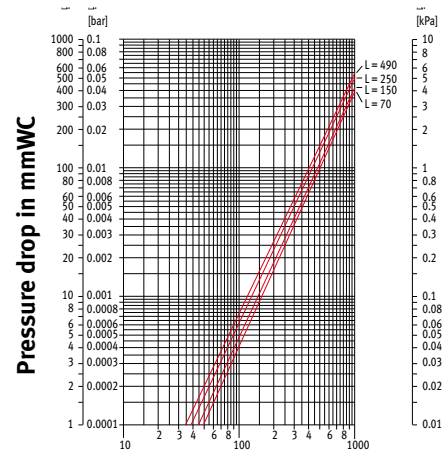
Type 10



Type 15

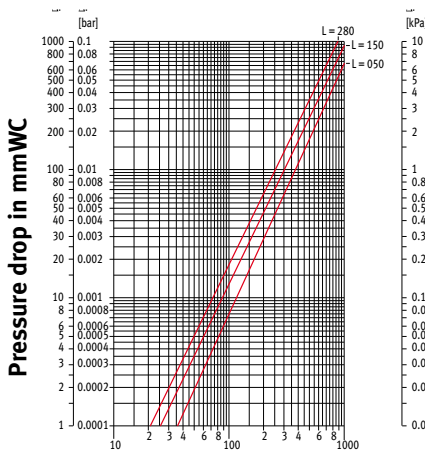


Type 20



Water flow in kg/h

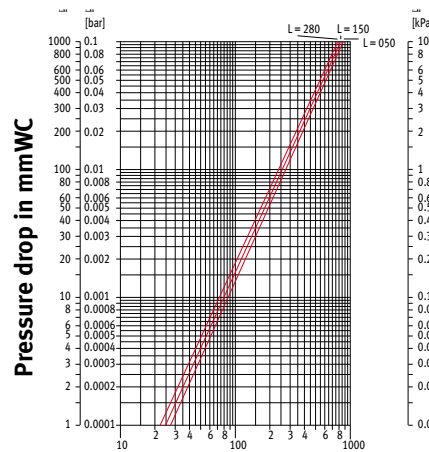
Type 11



Water flow in kg/h

Water flow in kg/h

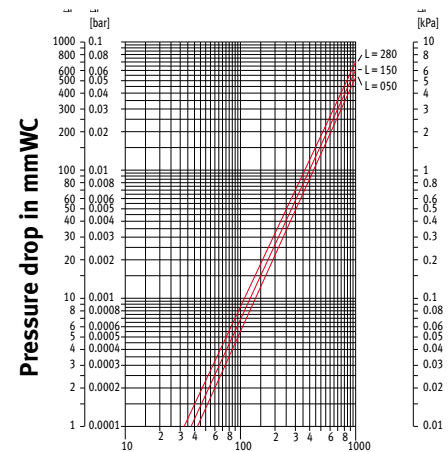
Type 16



Water flow in kg/h

Water flow in kg/h

Type 21



Water flow in kg/h

# Weight & water content

Weight in kg

H	T> 10	11	15	16	20	21
200	5.4	---	6.7	---	8.3	---
300	6.6	8.2	8.1	10.8	9.8	13.4
400	7.8	9.4	9.5	12.2	11.3	14.9
500	9.0	10.7	10.8	13.6	12.9	16.4
600	10.3	11.9	12.2	14.9	14.4	17.9
700	11.5	13.1	13.6	16.3	15.9	19.4
900	14.3	15.8	17.3	19.8	19.3	22.3

Water content in litres

Type	L/metre
10	0.65
11	1.33
15	0.98
16	1.98
20	1.32
21	2.66

# Product specification

## Tempo LST

### Material

- Low-H2O heat exchanger is composed of round, seamless circulation tubes made of pure red copper, with pure aluminium fins and two brass collectors for left or right 1/2" same end connection. Extended air 1/8" and drain plug 1/2" are included
- Pressure test: 20 bar
- Working pressure: 10 bar
- Brackets are included and made of galvanised steel plate of 1mm; supplied to be installed with a maximum intermediate distance of 1.05m
- The front panels: galvanised steel plates of 0.86mm thick, double profiled in length. Supplied with small positioning holes and slots to assemble front panels to side panel with easy click system
- Side panels: profiled galvanised steel plate of 1mm thick
- The top grille: galvanised steel plate of 0.80mm thick, profiled backwards angled steel plate with angled topside. At corners the grille is supplied with high standard synthetic angled corner pieces in same finish as casing
- The freestanding model: front and back panels are identical, grille and side panels come adapted to this model. The feet are telescopically adjustable for placement on finished floor / concrete floor

### Colour

- Heat exchanger electrostatically lacquered with anthracite grey epoxypolyester RAL 7024, gloss degree 70%
- The casing is in a scratch resistant structured polyester finish in white (RAL 9010), UV resistant due to ASTM G53

### Product information

- The casing surface temperature remains safe to touch at all times
- Manufacturer: Jaga
- Type: Tempo LST
- Outputs measured in accordance with EN442, at a water temperature of 75/65°C and a room temperature of 20°C ( $\Delta T=50^\circ\text{C}$ )

### Options

- Locks, two per casing. The casing cannot be detached without tools
- Pencil-proof grille, avoiding the possibility of smaller objects or waste falling within the casing. Lacquered in the same colour as the casing
- Top valve
- Extended air vent for heat exchanger type 10 / 15 / 20
- Brush for easy cleaning of the underside of the heat exchanger

# Jaga Guarantee Information

- 1** The guarantee is valid only if the equipment is properly and correctly used, by its first owner and if installed in accordance with the norms and instructions as detailed in the instruction leaflet and current industry standard practices.
- 2** The guarantee only applies to the equipment and the spare parts supplied by Jaga. Jaga has the choice between repair and replacement of the equipment or the spare parts. If any modifications have been made by Jaga to the standard product design, Jaga reserves the right to replace the guaranteed equipment with equivalent products or spare parts.
- 3** The period of guarantee is mentioned in this certificate. The guarantee decreases every year on a straight line basis by an equal percentage in order to reach a zero guarantee at the end of the guarantee period (e.g. for a period of 10 years the annual decrease of the guarantees 10% of the invoiced value). Repaired or replaced product is guaranteed through to the end of the original guarantee period.
- 4** The guarantee is valid only on products displaying the appropriate identification information concerning product type and series. No guarantee is granted on equipment or spare parts lacking this information, on equipment where this information has been removed or altered, or on equipment that has been repaired or modified by persons not authorised by Jaga to carry out this work.
- 5** The customer is responsible for any damage caused as a result of errors in installation or use of incorrect fittings, or for any damage caused by electrical connections, faulty or damaged electrical installations or appliances, erroneous voltage or hydraulic pressure and all other errors not directly related to the product delivered by Jaga. The guarantee is also revoked when unsuitable parts or components are used. The guarantee for our heat exchangers is not valid if they are regularly drained, or if they are heated by means of industrial water, steam or water saturated by excessive quantities of oxygen. The quality of the system after has to be in accordance with the VDI 2035-2 directives. The guarantee is also not applicable if the heat exchangers are placed in unsuitable atmospheric surroundings, such as but not exclusively ammonia, caustic substances etc.
- 6** This guarantee excludes damage due to incorrect handling and/or use of the equipment, or due to formation of lime deposits, incorrect use of the safety valve, or to all equipment that is incorporated into the building in a way that means it cannot be accessed normally.
- 7** Any work undertaken or product supplied as a result of a guarantee claim that proves not to be valid will be charged for. Product supplied will be invoiced at the customer's standard purchasing terms, and labour will be charged at £50 per hour with a minimum labour charge of £200.
- 8** The guarantee period starts from the date of the invoice for supply of the products covered by the guarantee. If the invoice is not available, the date of production will be used based on the product ID number/series.
- 9** Only the courts of judicial district Hasselt (Belgium) are authorised to deal with disputes arising from this guarantee. It will apply Belgian law even when sales involved are subjects of EU member states as well as non-EU member countries.

Heat exchanger

GUARANTEE  
30  
YEAR

Casings and components

GUARANTEE  
10  
YEAR

Valves for Low-H<sub>2</sub>O heat exchangers

GUARANTEE  
3  
YEAR