

KEIRA

TANDEM VERTICAL



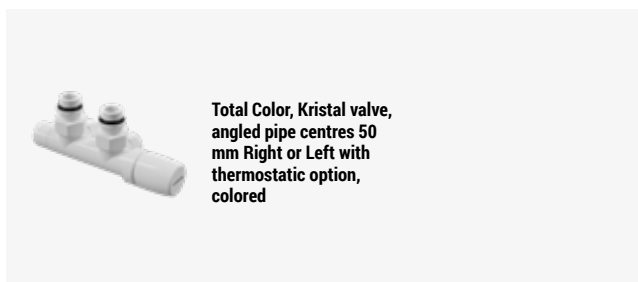
Color: F22 Classic gold

Height H [mm]	538	638	738	838	938	1400	1600	1800	1900
Therm. output per el. $\Delta t = 50\text{ }^{\circ}\text{C}$ [Watt]	52,7	60,6	68,4	76,1	83,8	118,8	133,9	149,2	156,8
Therm. output per el. $\Delta t = 30\text{ }^{\circ}\text{C}$ [Watt]	27,5	31,6	35,7	39,7	43,4	61,0	68,3	76,1	80,1
Dry Weight per element [kg]	1,238	1,456	1,673	1,890	2,107	3,107	3,541	3,976	4,193
Water content [lt]	0,45	0,523	0,595	0,667	0,740	1,073	1,217	1,362	1,434
Element surface [m ²]	0,137	0,161	0,185	0,209	0,233	0,343	0,391	0,439	0,463
Exponent n	1,2736	1,2732	1,2728	1,2724	1,2893	1,3063	1,3184	1,3168	1,316
Pipe Centres I [mm] (V3-V4 only)	500	600	700	800	900	1362	1562	1762	1862

For output at different Δt , please refer to the following formula: **desired output = output at Δt 50 x (Desired $\Delta t/50$)ⁿ**

Height H [mm]	2000	2200
Therm. output per el. $\Delta t = 50\text{ }^{\circ}\text{C}$ [Watt]	164,5	180,1
Therm. output per el. $\Delta t = 30\text{ }^{\circ}\text{C}$ [Watt]	84,0	92,1
Dry Weight per element [kg]	4,410	4,844
Water content [lt]	1,507	1,651
Element surface [m ²]	0,487	0,535
Exponent n	1,3152	1,3136
Pipe Centres I [mm] (V3-V4 only)	1962	2162

AVAILABLE ACCESSORIES



Total Color, Kristal valve,
angled pipe centres 50
mm Right or Left with
thermostatic option,
colored

Complete list, codes and details of the ACCESSORIES



MATERIAL:

- Ø 38 mm horizontal collectors in painted mild steel.
- 10 x 50 mm double row of rectangular vertical heating elements in painted mild steel.

FIXING KIT:

Brackets, hex key, airvent, dowels and screws suitable for use on solid walls or perforated bricks, assembly instructions.

PACKAGING:

Cardboard angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:

Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

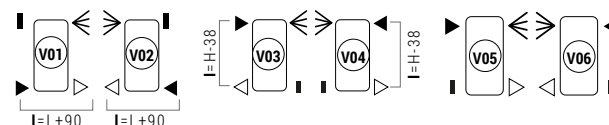
COLORS:

See color chart.

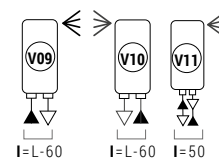
CERTIFICATES



STANDARD CONNECTIONS



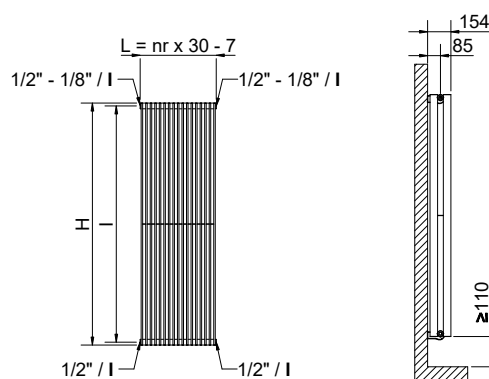
SPECIAL CONNECTIONS



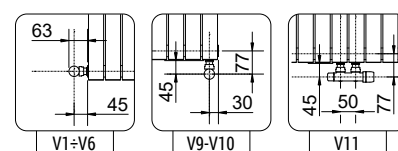
LEGEND

► In	▮ Pipe Centres
◄ Out	L Width
≡ Airvent	▮ Connection
H Height	▮ Welded cap

Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available.



Quotes for Kristal valves



FEATURES

P. max: 5 bar

Functioning: hot water

T. max: 110°C

Connections: n° 2 x 1/2" G - 1 x 1/8" G

HOW TO ORDER THE KEIRA TANDEM VERTICAL RADIATOR

Radiator model E.g.: KEIRA TANDEM VERTICAL	Nr of Elements E.g.: 24 Elements	Height in mm Example: 1400 mm	Connection code Example: connection V02	Color code Es: T01 - Matt black	Constant value
KT10	24	140	V02	T01	A

Example of article code creation

KT10 KEIRA TANDEM VERTICAL
24 24 Elements (see table below)
140 Height 1400 mm (see table below)
V02 Connection V02 (see next page)
T01 Color T01 - Matt black (see color chart)
A Constant value

The article code will be:

KT10 24 140 V02 T01 A

Height H [mm]	538	638	738	838	938	1400	1600	1800	1900
Width L [mm]	N° El.	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C	Watt Δt 50°C
263	9	474	545	616	685	754	1069	1205	1343
293	10	527	606	684	761	838	1188	1339	1492
323	11	580	667	752	837	922	1307	1473	1641
353	12	632	727	821	913	1006	1426	1607	1790
383	13	685	788	889	989	1089	1544	1741	1940
413	14	738	848	958	1065	1173	1663	1875	2089
443	15	791	909	1026	1142	1257	1782	2009	2238
473	16	843	970	1094	1218	1341	1901	2142	2387
503	17	896	1030	1163	1294	1424	2020	2276	2536
533	18	949	1091	1231	1370	1508	2138	2410	2686
563	19	1001	1151	1300	1446	1592	2257	2544	2835
593	20	1054	1212	1368	1522	1676	2376	2678	2984
623	21	1107	1273	1436	1598	1760	2495	2812	
653	22	1159	1333	1505	1674	1843	2614		
683	23	1212	1394	1573	1750	1927			
713	24	1265	1454	1642	1826	2011			
743	25	1318	1515	1710	1903	2095			
773	26	1370	1576	1778	1979	2179			
803	27	1423	1636	1847	2055	2262			
833	28	1476	1697	1915	2131	2346			
863	29	1528	1757	1984	2207	2430			
893	30	1581	1818	2052	2283	2514			
923	31	1634	1879	2120	2359	2598			
953	32	1686	1939	2189	2435	2681			
983	33	1739	2000	2257	2511	2765			
1013	34	1792	2060	2326	2587	2849			
1043	35	1845	2121	2394	2664	2933			
1073	36	1897	2182	2462	2740	3017			
1103	37	1950	2242	2531	2816	3100			
1133	38	2003	2303	2599	2892	3184			
1163	39	2055	2363	2668	2968	3268			
1193	40	2108	2424	2736	3044	3352			
1223	41	2161	2485	2804	3120				
1253	42	2213	2545	2873	3196				
1283	43	2266	2606	2941					
1313	44	2319	2666						
1373	46	2424	2788						
1433	48	2530							

All intermediate sizes are available for widths from 9 to 48 elements and heights from 538 to 2200 mm



Height H [mm]		2000	2200
Width L [mm]	N° El.	Watt Δt 50°C	Watt Δt 50°C
263	9	1481	1621
293	10	1645	1801
323	11	1810	1981
353	12	1974	2161
383	13	2139	2341
413	14	2303	2521
443	15	2468	2702
473	16	2632	2882
503	17	2797	
533	18	2961	

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El.	Width	Dry Weight	Thermal output			Art. nr.
			Δt	Δt	Δt	
			50°C	40°C	30°C	
n°	L [mm]	[Kg]	[Watt]			
H 538 mm						
10	293	12,4	527	397	275	KT10 10 054 V __ A
12	353	14,9	632	476	330	KT10 12 054 V __ A
14	413	17,3	738	555	385	KT10 14 054 V __ A
16	473	19,8	843	635	440	KT10 16 054 V __ A
18	533	22,3	949	714	495	KT10 18 054 V __ A
20	593	24,8	1054	793	550	KT10 20 054 V __ A
22	653	27,2	1159	873	605	KT10 22 054 V __ A
24	713	29,7	1265	952	660	KT10 24 054 V __ A
26	773	32,2	1370	1031	715	KT10 26 054 V __ A
28	833	34,7	1476	1111	770	KT10 28 054 V __ A
30	893	37,1	1581	1190	825	KT10 30 054 V __ A
32	953	39,6	1686	1269	880	KT10 32 054 V __ A
34	1013	42,1	1792	1349	935	KT10 34 054 V __ A

H 738 mm							
10	293	16,7	684	515	357	KT10 10 074 V ___ A	
12	353	20,1	821	618	428	KT10 12 074 V ___ A	
14	413	23,4	958	721	500	KT10 14 074 V ___ A	
16	473	26,8	1094	824	571	KT10 16 074 V ___ A	
18	533	30,1	1231	927	643	KT10 18 074 V ___ A	
20	593	33,5	1368	1030	714	KT10 20 074 V ___ A	
22	653	36,8	1505	1133	785	KT10 22 074 V ___ A	
24	713	40,2	1642	1236	857	KT10 24 074 V ___ A	
26	773	43,5	1778	1339	928	KT10 26 074 V ___ A	
28	833	46,8	1915	1442	1000	KT10 28 074 V ___ A	
30	893	50,2	2052	1545	1071	KT10 30 074 V ___ A	
32	953	53,5	2189	1648	1142	KT10 32 074 V ___ A	

H 938 mm							
10	293	21,1	838	628	434	KT10 10 094 V ___ A	
12	353	25,3	1006	754	520	KT10 12 094 V ___ A	
14	413	29,5	1173	880	607	KT10 14 094 V ___ A	
16	473	33,7	1341	1006	694	KT10 16 094 V ___ A	
18	533	37,9	1508	1131	781	KT10 18 094 V ___ A	
20	593	42,1	1676	1257	867	KT10 20 094 V ___ A	
22	653	46,4	1844	1383	954	KT10 22 094 V ___ A	
24	713	50,6	2011	1508	1041	KT10 24 094 V ___ A	
26	773	54,8	2179	1634	1128	KT10 26 094 V ___ A	
28	833	59,0	2346	1760	1214	KT10 28 094 V ___ A	
30	893	63,2	2514	1885	1301	KT10 30 094 V ___ A	
32	953	67,4	2682	2011	1388	KT10 32 094 V ___ A	

Thermal output							Art. nr.
El.	Width	Dry Weight	Δt	Δt	Δt		
		50°C	40°C	30°C			
n°	L [mm]	[Kg]	[Watt]				
H 638 mm							
10	293	14,6	606	456	316	KT10 10 064 V __ A	
12	353	17,5	727	547	379	KT10 12 064 V __ A	
14	413	20,4	848	639	443	KT10 14 064 V __ A	
16	473	23,3	970	730	506	KT10 16 064 V __ A	
18	533	26,2	1091	821	569	KT10 18 064 V __ A	
20	593	29,1	1212	912	632	KT10 20 064 V __ A	
22	653	32,0	1333	1003	696	KT10 22 064 V __ A	
24	713	34,9	1454	1095	759	KT10 24 064 V __ A	
26	773	37,9	1576	1186	822	KT10 26 064 V __ A	
28	833	40,8	1697	1277	885	KT10 28 064 V __ A	
30	893	43,7	1818	1368	949	KT10 30 064 V __ A	
32	953	46,6	1939	1460	1012	KT10 32 064 V __ A	
34	1013	49,5	2060	1551	1075	KT10 34 064 V __ A	

H 838 mm							
10	293	18,9	761	573	397	KT10 10 084 V ___ A	
12	353	22,7	913	687	477	KT10 12 084 V ___ A	
14	413	26,5	1065	802	556	KT10 14 084 V ___ A	
16	473	30,2	1218	917	636	KT10 16 084 V ___ A	
18	533	34,0	1370	1031	715	KT10 18 084 V ___ A	
20	593	37,8	1522	1146	795	KT10 20 084 V ___ A	
22	653	41,6	1674	1260	874	KT10 22 084 V ___ A	
24	713	45,4	1826	1375	953	KT10 24 084 V ___ A	
26	773	49,1	1979	1490	1033	KT10 26 084 V ___ A	
28	833	52,9	2131	1604	1112	KT10 28 084 V ___ A	
30	893	56,7	2283	1719	1192	KT10 30 084 V ___ A	
32	953	60,5	2435	1833	1271	KT10 32 084 V ___ A	

H 1400 mm							
10	293	31,1	1188	888	610	KT10 10 140 V ___ A	
11	323	34,2	1307	976	671	KT10 11 140 V ___ A	
12	353	37,3	1426	1065	731	KT10 12 140 V ___ A	
13	383	40,4	1544	1154	792	KT10 13 140 V ___ A	
14	413	43,5	1663	1243	853	KT10 14 140 V ___ A	
15	443	46,6	1782	1331	914	KT10 15 140 V ___ A	
16	473	49,7	1901	1420	975	KT10 16 140 V ___ A	
17	503	52,8	2020	1509	1036	KT10 17 140 V ___ A	
18	533	55,9	2138	1598	1097	KT10 18 140 V ___ A	
19	563	59,0	2257	1686	1158	KT10 19 140 V ___ A	
20	593	62,1	2376	1775	1219	KT10 20 140 V ___ A	
21	623	65,2	2495	1864	1280	KT10 21 140 V ___ A	

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Thermal output							Art. nr.
EL	Width	Dry Weight	Δt 50°C	Δt 40°C	Δt 30°C		
n°	L [mm]	[Kg]	[Watt]				
H 1600 mm							
10	293	35,4	1339	998	683	KT10 10 160 V ___ A	
11	323	39,0	1473	1098	751	KT10 11 160 V ___ A	
12	353	42,5	1607	1197	819	KT10 12 160 V ___ A	
13	383	46,0	1741	1297	888	KT10 13 160 V ___ A	
14	413	49,6	1875	1397	956	KT10 14 160 V ___ A	
15	443	53,1	2009	1497	1024	KT10 15 160 V ___ A	
16	473	56,7	2142	1596	1092	KT10 16 160 V ___ A	
17	503	60,2	2276	1696	1161	KT10 17 160 V ___ A	
18	533	63,7	2410	1796	1229	KT10 18 160 V ___ A	
19	563	67,3	2544	1896	1297	KT10 19 160 V ___ A	
20	593	70,8	2678	1995	1366	KT10 20 160 V ___ A	
21	623	74,4	2812	2095	1434	KT10 21 160 V ___ A	

H 1900 mm						
9	263	37,7	1411	1052	721	KT10 09 190 V ___ A
10	293	41,9	1568	1169	801	KT10 10 190 V ___ A
11	323	46,1	1725	1286	881	KT10 11 190 V ___ A
12	353	50,3	1882	1403	961	KT10 12 190 V ___ A
13	383	54,5	2038	1520	1041	KT10 13 190 V ___ A
14	413	58,7	2195	1637	1121	KT10 14 190 V ___ A
15	443	62,9	2352	1753	1201	KT10 15 190 V ___ A
16	473	67,1	2509	1870	1281	KT10 16 190 V ___ A
17	503	71,3	2666	1987	1361	KT10 17 190 V ___ A
18	533	75,5	2822	2104	1441	KT10 18 190 V ___ A
19	563	79,7	2979	2221	1521	KT10 19 190 V ___ A

H 2200 mm						
9	263	43,6	1621	1209	829	KT10 09 220 V ___ A
10	293	48,4	1801	1343	921	KT10 10 220 V ___ A
11	323	53,3	1981	1478	1013	KT10 11 220 V ___ A
12	353	58,1	2161	1612	1105	KT10 12 220 V ___ A
13	383	63,0	2341	1746	1197	KT10 13 220 V ___ A
14	413	67,8	2521	1881	1289	KT10 14 220 V ___ A
15	443	72,7	2702	2015	1381	KT10 15 220 V ___ A
16	473	77,5	2882	2149	1473	KT10 16 220 V ___ A

Thermal output							Art. nr.
El.	Width	Dry Weight	Δt 50°C	Δt 40°C	Δt 30°C		
n°	L [mm]	[Kg]	[Watt]				
H 1800 mm							
10	293	39,8	1492	1112	761	KT10 10 180 V _ _ _ A	
11	323	43,7	1641	1223	838	KT10 11 180 V _ _ _ A	
12	353	47,7	1790	1335	914	KT10 12 180 V _ _ _ A	
13	383	51,7	1940	1446	990	KT10 13 180 V _ _ _ A	
14	413	55,7	2089	1557	1066	KT10 14 180 V _ _ _ A	
15	443	59,6	2238	1668	1142	KT10 15 180 V _ _ _ A	
16	473	63,6	2387	1779	1218	KT10 16 180 V _ _ _ A	
17	503	67,6	2536	1891	1294	KT10 17 180 V _ _ _ A	
18	533	71,6	2686	2002	1371	KT10 18 180 V _ _ _ A	
19	563	75,5	2835	2113	1447	KT10 19 180 V _ _ _ A	
20	593	79,5	2984	2224	1523	KT10 20 180 V _ _ _ A	

H 2000 mm						
9	263	39,7	1481	1104	756	KT10 09 200 V ___ A
10	293	44,1	1645	1227	840	KT10 10 200 V ___ A
11	323	48,5	1810	1349	924	KT10 11 200 V ___ A
12	353	52,9	1974	1472	1008	KT10 12 200 V ___ A
13	383	57,3	2139	1595	1092	KT10 13 200 V ___ A
14	413	61,7	2303	1717	1176	KT10 14 200 V ___ A
15	443	66,2	2468	1840	1260	KT10 15 200 V ___ A
16	473	70,6	2632	1963	1344	KT10 16 200 V ___ A
17	503	75,0	2797	2085	1428	KT10 17 200 V ___ A
18	533	79,4	2961	2208	1512	KT10 18 200 V ___ A

HOW TO ORDER THE KEIRA TANDEM VERTICAL RADIATOR

Radiator model E.g.: KEIRA TANDEM VERTICAL	Nr of Elements E.g.: 24 Elements	Height in mm Example: 1400 mm	Connection code Example: connection V02	Color code Es: T01 - Matt black	Constant value
KT10	24	140	V02	T01	A

Example of article code creation

KT10 KEIRA TANDEM VERTICAL
24 24 Elements
140 Height 1400 mm
V02 connection V02 (see product page)
T01 color T01 - Matt black (see color chart)
A Constant value

The article code will be:

KT10 24 140 V02 T01 A