

ALICE 22 TANDEM VERTICAL

page 204

EUROPEAN
WARRANTY

NEW

MATERIAL:

- Horizontal collectors in painted mild steel ø 30 mm.
- Double vertical heating elements in painted mild steel ø 22 mm.

FIXING KIT:

Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.

PACKAGING:

Carton 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)

COLOURS:

Radiator and accessories: standard white colour RAL

9010-R01.

For other colours see Colour chart chapter.

ACCESSORIES

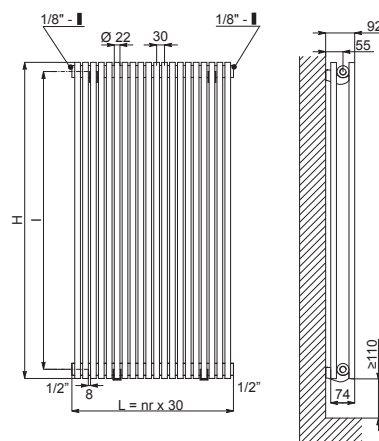
See Accessories chapter

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - n° 1 da 1/8" gas for airvent
---------------	------------------------	----------------	--

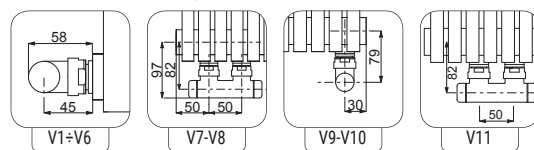
Height H [mm]	500	530	600	630	800	830	930	1000	1200
Therm. output per el. $\Delta t = 50^\circ\text{C}$ [Watt]	37,2	40,8	43,4	46,9	55,5	58,9	64,7	67,1	78,2
Dry Weight per section [kg]	0,81	0,90	0,96	1,05	1,27	1,35	1,51	1,57	1,87
Element Water content [lt]	0,319	0,352	0,376	0,409	0,490	0,522	0,579	0,603	0,716
Element surface [m ²]	0,075	0,083	0,089	0,097	0,116	0,124	0,138	0,144	0,172
Exp. n	1,3001	1,3012	1,3022	1,3022	1,3044	1,3066	1,3087	1,3109	1,3120
Pipe Centres I [mm] (V3-V4 only)	470	500	570	600	770	800	900	970	1170

For output at different Δt than 50°C , please refer to the following formula:
desired output = output at $\Delta t 50^\circ\text{C} \times (\text{desired } \Delta t / 50)^\text{n}$

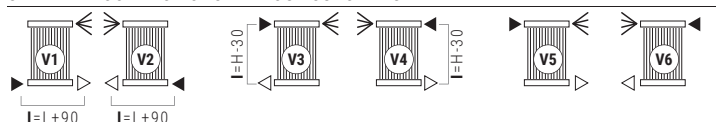
Height H [mm]	1400	1600	1800	1900	2000	2100	2200	2300	2500
Therm. output per el. $\Delta t = 50^\circ\text{C}$ [Watt]	89,1	99,7	110,1	115,9	120,1	124,7	128,3	134,4	144,2
Dry Weight per section [kg]	2,18	2,48	2,78	2,94	3,09	3,24	3,39	3,54	3,85
Element Water content [lt]	0,830	0,943	1,057	1,113	1,170	1,227	1,283	1,340	1,454
Element surface [m ²]	0,199	0,227	0,254	0,268	0,282	0,296	0,310	0,324	0,351
Exp. n	1,3131	1,3114	1,3152	1,3164	1,3175	1,3185	1,3197	1,3207	1,3229
Pipe Centres I [mm] (V3-V4 only)	1370	1570	1770	1870	1970	2070	2170	2270	2470



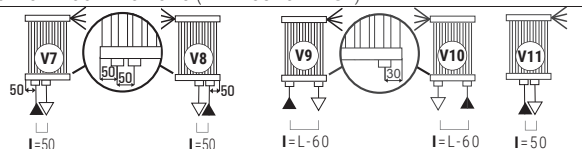
Quotes for Kristal valves



STANDARD CONNECTIONS WITHOUT SURCHARGE



SPECIAL CONNECTIONS (WITH SURCHARGE)



Legenda=

► In ▢ Out ◀ Airvent H Height I Pipe Centres L WIDTH □ Sleeve

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

HOW TO ORDER THE RADIATOR ALICE 22 TANDEM VERTICAL

ARTICLE NR. STRUCTURE	Radiator model	Elements nr.	Height in cm	Article code of the connection	Article code of the colour	Constant value
AAAA	BB	CCC	DDD	EEE	A	
EXAMPLE	Radiator model E.g.: Alice 22 tandem vertical	Numero elements E.g.: 24 elements	Height in cm Example: 800 mm	Article code of the connection Example: connection V2	Article code of the colour Example: S16 - Canary	Constant value
	AT22	24	080	V02	S16	A

EXAMPLE OF ARTICLE CODE CREATION

In the case of a radiator:

AT22 ALICE 22 TANDEM VERTICAL

24 24 elements (see the table shown on the side)

080 Height 800 mm (see the table shown on the side)

V02 connection V2

S16 colour S16- Canary

A (Constant value)

The article code will be:

AT22 24 080 V02 S16 A

ACCESSORIES

If ordered separately from the radiator, the accessories are available in standard white only.

<p>Kristal valve square With thermostatic option White R01 - ral 9010</p> <p>Copper conn. Ø 12/14/15 Art. nr. 5991990311161</p> <p>Multilayer conn. Ø 16 Art. nr. 5991990311160</p>	<p>Kristal valve square Pipe centres 50 mm left white R01 - ral 90101</p> <p>Copper conn. Ø 12/14/15 Art. nr. 5991990311186</p> <p>Multilayer conn. Ø 16 Art. nr. 5991990311185</p>	<p>White thermostatic head</p> <p>(Kit 2 pieces) Art. nr. 5035270710016</p>
--	--	--

ALICE 22 TANDEM VERTICAL

All intermediate sizes are available for widths from 5 to 42 elements and heights from 500 to 2500 mm

Height H [mm]		500	530	600	630	800	830	930	1000	1200
WIDTH L [mm]	N° El.	Watt $\Delta t=50^{\circ}\text{C}$	Watt $\Delta t=50^{\circ}\text{C}$	Watt $\Delta t=50^{\circ}\text{C}$	Watt $\Delta t=50^{\circ}\text{C}$	Watt $\Delta t=50^{\circ}\text{C}$	Watt $\Delta t=50^{\circ}\text{C}$	Watt $\Delta t=50^{\circ}\text{C}$	Watt $\Delta t=50^{\circ}\text{C}$	Watt $\Delta t=50^{\circ}\text{C}$
150	5	186	204	217	235	277	295	323	336	391
180	6	223	245	260	282	333	353	388	403	469
210	7	260	286	304	329	388	412	453	470	548
240	8	297	327	347	375	444	471	517	537	626
270	9	334	367	391	422	499	530	582	604	704
300	10	372	408	434	469	555	589	647	671	782
330	11	409	449	477	516	610	648	711	738	860
360	12	446	490	521	563	666	707	776	805	939
390	13	483	531	564	610	721	766	841	872	1017
420	14	520	572	607	657	777	825	905	939	1095
450	15	557	612	651	704	832	884	970	1007	1173
480	16	594	653	694	751	888	943	1034	1074	1252
510	17	632	694	738	798	943	1001	1099	1141	1330
540	18	669	735	781	845	999	1060	1164	1208	1408
570	19	706	776	824	892	1054	1119	1228	1275	1486
600	20	743	816	868	939	1110	1178	1293	1342	1564
630	21	780	857	911	986	1165	1237	1358	1409	1643
660	22	817	898	955	1033	1221	1296	1422	1476	1721
690	23	855	939	998	1079	1276	1355	1487	1543	1799
720	24	892	980	1041	1126	1332	1414	1552	1610	1877
750	25	929	1021	1085	1173	1387	1473	1616	1678	1956
780	26	966	1061	1128	1220	1443	1532	1681	1745	2034
810	27	1003	1102	1172	1267	1498	1591	1746	1812	2112
840	28	1040	1143	1215	1314	1554	1650	1810	1879	2190
870	29	1078	1184	1258	1361	1609	1708	1875	1946	2268
900	30	1115	1225	1302	1408	1665	1767	1940	2013	2347
930	31	1189	1306	1388	1502	1776	1885	2069	2147	2503
960	32	1263	1388	1475	1596	1887	2003	2198	2281	2660
990	33	1338	1470	1562	1690	1998	2121	2328	2416	2816
1020	34	1412	1551	1649	1783	2109	2239	2457	2550	2972
1050	35	1486	1633	1736	1877	2220	2356	2586	2684	3129
1080	36	1561	1715	1822	1971	2331	2474	2716	2818	3285
1110	37	1635	1796	1909	2065	2442	2592	2845	2952	3442
1140	38	1709	1878	1996	2159	2552	2710	2974	3087	3598
1170	39	1783	1959	2083	2253	2663	2828	3103	3221	3755
1200	40	1858	2041	2169	2347	2774	2946	3233	3355	3911
1230	41	1932	2123	2256	2441	2885	3063	3362	3489	4068
1260	42	2006	2204	2343	2534	2996	3181	3491	3623	4224

Height H [mm]		1400	1600	1800	1900	2000	2100	2200	2300	2500
WIDTH L [mm]	N° El.	Watt $\Delta t=50^{\circ}\text{C}$	Watt $\Delta t=50^{\circ}\text{C}$	Watt $\Delta t=50^{\circ}\text{C}$	Watt $\Delta t=50^{\circ}\text{C}$	Watt $\Delta t=50^{\circ}\text{C}$	Watt $\Delta t=50^{\circ}\text{C}$	Watt $\Delta t=50^{\circ}\text{C}$	Watt $\Delta t=50^{\circ}\text{C}$	Watt $\Delta t=50^{\circ}\text{C}$
150	5	446	499	551	579	601	623	642	672	721
180	6	535	598	661	695	721	748	770	807	865
210	7	624	698	771	811	841	873	898	941	1010
240	8	713	798	881	927	961	997	1027	1076	1154
270	9	802	898	991	1043	1081	1122	1155	1210	1298
300	10	891	997	1101	1159	1201	1247	1283	1344	1442
330	11	980	1097	1211	1275	1322	1371	1412	1479	1586
360	12	1069	1197	1321	1390	1442	1496	1540	1613	1731
390	13	1158	1297	1432	1506	1562	1621	1668	1748	1875
420	14	1247	1396	1542	1622	1682	1745	1797	1882	2019
450	15	1337	1496	1652	1738	1802	1870	1925	2017	2163
480	16	1426	1596	1762	1854	1922	1995	2053	2151	2308
510	17	1515	1695	1872	1970	2042	2119	2182	2286	2452
540	18	1604	1795	1982	2086	2163	2244	2310	2420	2596
570	19	1693	1895	2092	2201	2283	2369	2438	2554	2740
600	20	1782	1995	2202	2317	2403	2493	2567	2689	2884
630	21	1871	2094	2313	2433	2523	2618	2695	2823	3029
660	22	1960	2194	2423	2549	2643	2743	2823	2958	3173
690	23	2049	2294	2533	2665	2763	2867	2952	3092	3317
720	24	2138	2394	2643	2781	2883	2992	3080	3227	3461
750	25	2228	2493	2753	2897	3004	3117	3208	3361	3606
780	26	2317	2593	2863	3013	3124	3241	3337	3496	3750
810	27	2406	2693	2973	3128	3244	3366	3465	3630	3894
840	28	2495	2793	3083	3244	3364	3491	3593	3764	4038
870	29	2584	2892	3194	3360	3484	3615	3722	3899	4182
900	30	2673	2992	3304	3476	3604	3740	3850	4033	4327
930	31	2851	3191	3524	3708	3845	3989	4107	4302	4615
960	32	3029	3391	3744	3939	4085	4239	4363	4571	4904
990	33	3208	3590	3964	4171	4325	4488	4620	4840	5192
1020	34	3386	3790	4185	4403	4565	4737	4877	5109	5480
1050	35	3564	3989	4405	4635	4806	4987	5133	5378	5769
1080	36	3742	4189	4625	4866	5046	5236	5390	5647	6057
1110	37	3920	4388	4845	5098	5286	5485	5647	5916	6346
1140	38	4099	4588	5066	5330	5527	5735	5903	6184	6634
1170	39	4277	4787	5286	5562	5767	5984	6160	6453	6923
1200	40	4455	4987	5506	5793	6007	6233	6417	6722	7211
1230	41	4633	5186	5726	6025	6248	6483	6673	6991	7500
1260	42	4811	5386	5947	6257	6488	6732	6930	7260	7788