



ALICE 22 VERTICAL



EUROPEAN
WARRANTY

NEW

MATERIAL:

- Horizontal collectors in painted mild steel ϕ 30 mm.
- Vertical heating elements in painted mild steel ϕ 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

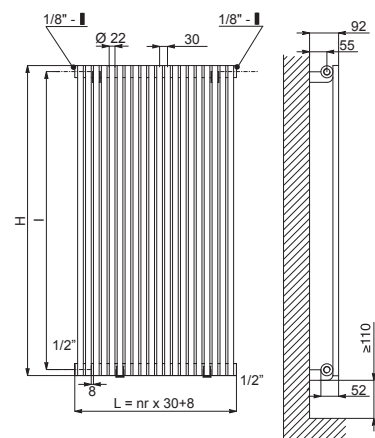
See Accessories chapter

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
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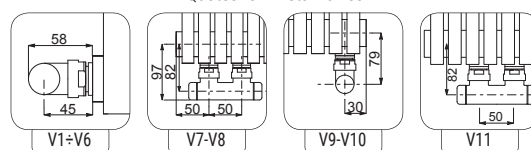
Height H [mm]	400	500	600	700	800	1000	1200	1400	1500
Therm. output per el. $\Delta t = 50^\circ\text{C}$ [Watt]	18,1	22,7	27,3	31,8	36,3	45,1	53,5	61,7	65,8
Dry Weight per section [kg]	0,35	0,43	0,51	0,58	0,66	0,81	0,96	1,11	1,27
Element Water content [lt]	0,149	0,178	0,206	0,234	0,263	0,319	0,376	0,433	0,490
Element surface [m ²]	0,033	0,040	0,047	0,054	0,061	0,075	0,089	0,102	0,116
Exp. n	1,2593	1,2604	1,2614	1,2614	1,2635	1,2656	1,2677	1,2698	1,2709
Pipe Centres I [mm] (V3-V4 only)	370	470	570	670	770	970	1170	1370	1470

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

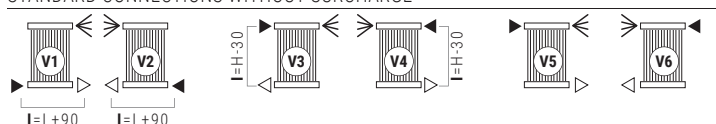
Height H [mm]	1600	1700	1800	1900	2000	2100	2200	2300	2500
Therm. output per el. $\Delta t = 50^\circ\text{C}$ [Watt]	69,7	73,5	77,2	81,4	84,5	88,0	90,7	94,8	101,3
Dry Weight per section [kg]	1,42	1,57	1,72	1,87	2,02	2,18	2,33	2,63	2,94
Element Water content [lt]	0,546	0,603	0,660	0,716	0,773	0,830	0,886	1,000	1,113
Element surface [m ²]	0,130	0,144	0,158	0,172	0,185	0,199	0,213	0,241	0,268
Exp. n	1,2719	1,2703	1,2740	1,2751	1,2762	1,2772	1,2783	1,2793	1,2814
Pipe Centres I [mm] (V3-V4 only)	1570	1670	1770	1870	1970	2070	2170	2270	2470



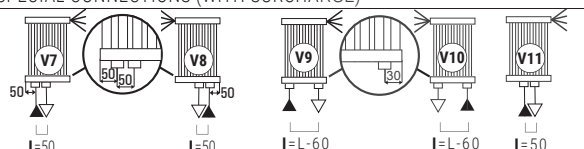
Quotes for Kristal valves



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 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 Eg.: Alice 22 vertical	Numero elements E.g.: 24 elements	Height in cm Example: 800 mm	Article code of the connection Example: connection V1	Article code of the colour Example: S16 - Canary	Constant value
	AL22	24	080	V01	S16	A

EXAMPLE OF ARTICLE CODE CREATION

In the case of a radiator:

AL22 ALICE 22 VERTICAL

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

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

V01 connection V1

S16 colour S16- Canary

A (Constant value)

The article code will be:

AL22 24 080 V01 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. ϕ 12/14/15 Art. nr. 5991990311161</p> <p>Multilayer conn. ϕ 16 Art. nr. 5991990311160</p>	<p>Kristal valve square Pipe centres 50 mm left white R01 - ral 90101</p> <p>Copper conn. ϕ 12/14/15 Art. nr. 5991990311186</p> <p>Multilayer conn. ϕ 16 Art. nr. 5991990311185</p>	<p>White thermostatic head</p> <p>(Kit 2 pieces) Art. nr. 5035270710016</p>
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ALICE 22 VERTICAL

All intermediate sizes are available for widths from 5 to 54 elements and heights from 400 to 2500 mm

Height H [mm]		400	500	600	700	800	1000	1200	1400	1500
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	90	114	136	159	182	226	268	309	329
180	6	108	136	164	191	218	271	321	370	395
210	7	126	159	191	222	254	316	375	432	460
240	8	145	182	218	254	290	361	428	494	526
270	9	163	205	245	286	327	406	482	556	592
300	10	181	227	273	318	363	451	535	617	658
330	11	199	250	300	350	399	496	589	679	723
360	12	217	273	327	381	436	541	642	741	789
390	13	235	296	354	413	472	586	696	802	855
420	14	253	318	382	445	508	631	749	864	921
450	15	271	341	409	477	545	677	803	926	986
480	16	289	364	436	508	581	722	857	988	1052
510	17	307	386	463	540	617	767	910	1049	1118
540	18	325	409	491	572	653	812	964	1111	1184
570	19	343	432	518	604	690	857	1017	1173	1249
600	20	361	455	545	636	726	902	1071	1234	1315
630	21	379	477	572	667	762	947	1124	1296	1381
660	22	397	500	600	699	799	992	1178	1358	1447
690	23	415	523	627	731	835	1037	1231	1420	1512
720	24	434	546	654	763	871	1082	1285	1481	1578
750	25	452	568	681	794	908	1128	1338	1543	1644
780	26	470	591	709	826	944	1173	1392	1605	1710
810	27	488	614	736	858	980	1218	1445	1667	1775
840	28	506	637	763	890	1016	1263	1499	1728	1841
870	29	524	659	790	922	1053	1308	1552	1790	1907
900	30	542	682	818	953	1089	1353	1606	1852	1973
960	32	578	727	872	1017	1162	1443	1713	1975	2104
1020	34	614	773	927	1080	1234	1533	1820	2099	2236
1080	36	650	818	981	1144	1307	1624	1927	2222	2367
1140	38	686	864	1036	1208	1379	1714	2034	2345	2499
1200	40	723	909	1090	1271	1452	1804	2141	2469	2630
1260	42	759	955	1145	1335	1525	1894	2248	2592	2762
1320	44	795	1000	1199	1398	1597	1984	2355	2716	2893
1380	46	831	1046	1254	1462	1670	2075	2463	2839	3025
1440	48	867	1091	1308	1525	1742	2165	2570	2963	3156
1500	50	903	1137	1363	1589	1815	2255	2677	3086	3288
1560	52	939	1182	1417	1652	1888	2345	2784	3210	3419
1620	54	975	1228	1472	1716	1960	2435	2891	3333	3551

Height H [mm]		1600	1700	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	348	367	386	407	422	440	453	474	507
180	6	418	441	463	488	507	528	544	569	608
210	7	488	514	541	570	591	616	635	664	709
240	8	557	588	618	651	676	704	726	759	811
270	9	627	661	695	733	760	792	816	854	912
300	10	697	735	772	814	845	880	907	948	1013
330	11	766	808	850	895	929	968	998	1043	1115
360	12	836	881	927	977	1013	1056	1088	1138	1216
390	13	906	955	1004	1058	1098	1144	1179	1233	1317
420	14	975	1028	1081	1140	1182	1232	1270	1328	1419
450	15	1045	1102	1159	1221	1267	1320	1360	1423	1520
480	16	1115	1175	1236	1302	1351	1408	1451	1518	1621
510	17	1184	1249	1313	1384	1436	1496	1542	1612	1722
540	18	1254	1322	1390	1465	1520	1584	1632	1707	1824
570	19	1324	1396	1468	1547	1605	1672	1723	1802	1925
600	20	1393	1469	1545	1628	1689	1760	1814	1897	2026
630	21	1463	1543	1622	1709	1774	1848	1904	1992	2128
660	22	1533	1616	1699	1791	1858	1936	1995	2087	2229
690	23	1602	1689	1777	1872	1942	2024	2086	2181	2330
720	24	1672	1763	1854	1954	2027	2112	2177	2276	2432
750	25	1742	1836	1931	2035	2111	2200	2267	2371	2533
780	26	1811	1910	2008	2116	2196	2288	2358	2466	2634
810	27	1881	1983	2086	2198	2280	2376	2449	2561	2736
840	28	1951	2057	2163	2279	2365	2464	2539	2656	2837
870	29	2020	2130	2240	2361	2449	2552	2630	2750	2938
900	30	2090	2204	2317	2442	2534	2640	2721	2845	3040
960	32	2229	2351	2472	2605	2703	2816	2902	3035	3242
1020	34	2369	2497	2626	2768	2871	2992	3083	3225	3445
1080	36	2508	2644	2781	2930	3040	3168	3265	3414	3648
1140	38	2647	2791	2935	3093	3209	3344	3446	3604	3850
1200	40	2787	2938	3090	3256	3378	3520	3628	3794	4053
1260	42	2926	3085	3244	3419	3547	3696	3809	3983	4256
1320	44	3065	3232	3399	3582	3716	3872	3990	4173	4458
1380	46	3205	3379	3553	3744	3885	4048	4172	4363	4661
1440	48	3344	3526	3708	3907	4054	4224	4353	4553	4863
1500	50	3483	3673	3862	4070	4223	4400	4534	4742	5066
1560	52	3623	3820	4017	4233	4392	4576	4716	4932	5269
1620	54	3762	3967	4171	4396	4561	4752	4897	5122	5471