



ALICE 18 VERTICAL

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EN 442-1
RADIATORS AND CONVECTORS



Radiators, convectors and ceiling-mounted radiant panels, hot water heating, fan assisted and mixed

EUROPEAN
WARRANTY

MATERIAL:

- Horizontal collectors in painted mild steel \varnothing 38 mm.
- Vertical heating elements in painted mild steel \varnothing 18 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

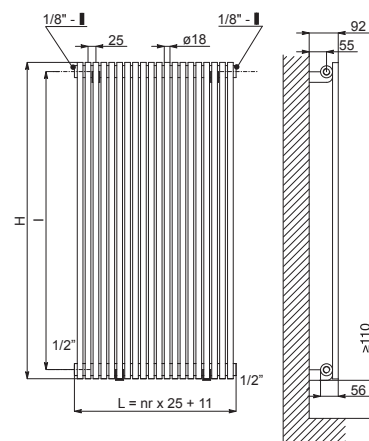
See Accessories chapter

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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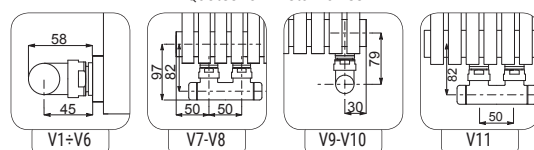
Height H [mm]	400	500	600	700	800	1000	1200	1400	1500
Therm. output per el. $\Delta t = 50^\circ\text{C}$ [Watt]	14,78	18,6	22,3	26,0	29,7	36,9	43,8	50,5	53,8
Dry Weight per section [kg]	0,253	0,303	0,353	0,403	0,453	0,552	0,652	0,751	0,801
Element Water content [lt]	0,125	0,145	0,164	0,184	0,203	0,241	0,279	0,317	0,336
Element surface [m ²]	0,029	0,035	0,04	0,046	0,051	0,063	0,074	0,085	0,091
Exp. n	1,3238	1,3208	1,317	1,3149	1,312	1,306	1,3	1,294	1,2914
Pipe Centres I [mm] (V3-V4 only)	342	442	542	642	742	942	1142	1342	1442

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

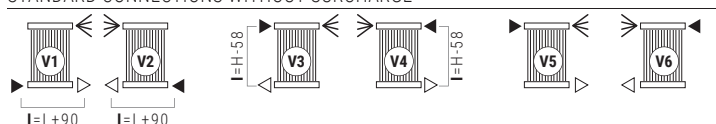
Height H [mm]	1600	1700	1800	1900	2000	2100	2200	2300	2500
Therm. output per el. $\Delta t = 50^\circ\text{C}$ [Watt]	57	60,1	63,2	66,6	69,1	72,0	74,2	77,6	82,9
Dry Weight per section [kg]	0,851	0,901	0,95	1	1,05	1,100	1,149	1,199	1,299
Element Water content [lt]	0,356	0,375	0,394	0,413	0,432	0,451	0,47	0,489	0,528
Element surface [m ²]	0,096	0,102	0,108	0,113	0,119	0,126	0,13	0,136	0,147
Exp. n	1,288	1,2855	1,283	1,28	1,277	1,2737	1,271	1,268	1,262
Pipe Centres I [mm] (V3-V4 only)	1542	1642	1742	1842	1942	2042	2142	2242	2442



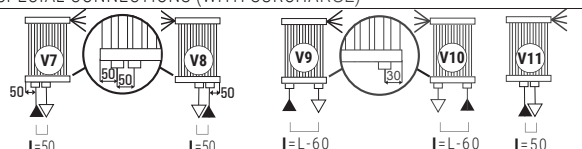
Quotes for Kristal valves



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 18 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 18 vertical	Numero elements E.g.: 24 elements	Height in cm Example: 800 mm	Article code of the connection Example: connection V8	Article code of the colour Example: S16 - Canary	Constant value
	AL18	24	080	V08	S16	A

EXAMPLE OF ARTICLE CODE CREATION

In the case of a radiator:

AL18 ALICE 18 VERTICAL

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

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

V08 connection V08

S16 colour S16- Canary

A (Constant value)

The article code will be:

AL18 24 080 V08 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. \varnothing 12/14/15 Art. nr. 5991990311161</p> <p>Multilayer conn. \varnothing 16 Art. nr. 5991990311160</p>	<p>Kit 2 Hooks WHITE RAL 9010 - R01</p> <p>Art. nr. 5991990310388</p>	<p>White thermostatic head</p> <p>(Kit 2 pieces) Art. nr. 5035270710016</p>
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ALICE 18 VERTICAL

All intermediate sizes are available for widths from 5 to 70 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 $\Delta t=50^{\circ}\text{C}$
136	5	74	93	112	130	149	185	219	253	269
161	6	89	112	134	156	178	221	263	303	323
186	7	103	130	156	182	208	258	307	354	377
211	8	118	149	178	208	238	295	350	404	430
236	9	133	167	201	234	267	332	394	455	484
261	10	148	186	223	260	297	369	438	505	538
286	11	163	205	245	286	327	406	482	556	592
311	12	177	223	268	312	356	443	526	606	646
336	13	192	242	290	338	386	480	569	657	699
361	14	207	260	312	364	416	517	613	707	753
386	15	222	279	335	390	446	554	657	758	807
411	16	236	298	357	416	475	590	701	808	861
436	17	251	316	379	442	505	627	745	859	915
461	18	266	335	401	468	535	664	788	909	968
486	19	281	353	424	494	564	701	832	960	1022
511	20	296	372	446	520	594	738	876	1010	1076
536	21	310	391	468	546	624	775	920	1061	1130
561	22	325	409	491	572	653	812	964	1111	1184
586	23	340	428	513	598	683	849	1007	1162	1237
611	24	355	446	535	624	713	886	1051	1212	1291
636	25	370	465	558	650	743	923	1095	1263	1345
661	26	384	484	580	676	772	959	1139	1313	1399
686	27	399	502	602	702	802	996	1183	1364	1453
711	28	414	521	624	728	832	1033	1226	1414	1506
736	29	429	539	647	754	861	1070	1270	1465	1560
761	30	443	558	669	780	891	1107	1314	1515	1614
811	32	473	595	714	832	950	1181	1402	1616	1722
861	34	503	632	758	884	1010	1255	1489	1717	1829
911	36	532	670	803	936	1069	1328	1577	1818	1937
961	38	562	707	847	988	1129	1402	1664	1919	2044
1011	40	591	744	892	1040	1188	1476	1752	2020	2152
1061	42	621	781	937	1092	1247	1550	1840	2121	2260
1136	45	665	837	1004	1170	1337	1661	1971	2273	2421
1261	50	739	930	1115	1300	1485	1845	2190	2525	2690
1386	55	813	1023	1227	1430	1634	2030	2409	2778	2959
1511	60	887	1116	1338	1560	1782	2214	2628	3030	3228
1636	65	961	1209	1450	1690	1931	2399	2847	3283	3497
1761	70	1035	1302	1561	1820	2079	2583	3066	3535	3766

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 $\Delta t=50^{\circ}\text{C}$
136	5	285	301	316	333	346	360	371	388	415
161	6	342	361	379	400	415	432	445	466	497
186	7	399	421	442	466	484	504	519	543	580
211	8	456	481	506	533	553	576	594	621	663
236	9	513	541	569	599	622	648	668	698	746
261	10	570	601	632	666	691	720	742	776	829
286	11	627	661	695	733	760	792	816	854	912
311	12	684	721	758	799	829	864	890	931	995
336	13	741	781	822	866	898	936	965	1009	1078
361	14	798	841	885	932	967	1008	1039	1086	1161
386	15	855	902	948	999	1037	1080	1113	1164	1244
411	16	912	962	1011	1066	1106	1152	1187	1242	1326
436	17	969	1022	1074	1132	1175	1224	1261	1319	1409
461	18	1026	1082	1138	1199	1244	1296	1336	1397	1492
486	19	1083	1142	1201	1265	1313	1368	1410	1474	1575
511	20	1140	1202	1264	1332	1382	1440	1484	1552	1658
536	21	1197	1262	1327	1399	1451	1512	1558	1630	1741
561	22	1254	1322	1390	1465	1520	1584	1632	1707	1824
586	23	1311	1382	1454	1532	1589	1656	1707	1785	1907
611	24	1368	1442	1517	1598	1658	1728	1781	1862	1990
636	25	1425	1503	1580	1665	1728	1800	1855	1940	2073
661	26	1482	1563	1643	1732	1797	1872	1929	2018	2155
686	27	1539	1623	1706	1798	1866	1944	2003	2095	2238
711	28	1596	1683	1770	1865	1935	2016	2078	2173	2321
736	29	1653	1743	1833	1931	2004	2088	2152	2250	2404
761	30	1710	1803	1896	1998	2073	2160	2226	2328	2487
811	32	1824	1923	2022	2131	2211	2304	2374	2483	2653
861	34	1938	2043	2149	2264	2349	2448	2523	2638	2819
911	36	2052	2164	2275	2398	2488	2592	2671	2794	2984
961	38	2166	2284	2402	2531	2626	2736	2820	2949	3150
1011	40	2280	2404	2528	2664	2764	2880	2968	3104	3316
1061	42	2394	2524	2654	2797	2902	3024	3116	3259	3482
1136	45	2565	2705	2844	2997	3110	3240	3339	3492	3731
1261	50	2850	3005	3160	3330	3455	3600	3710	3880	4145
1386	55	3135	3306	3476	3663	3801	3960	4081	4268	4560
1511	60	3420	3606	3792	3996	4146	4320	4452	4656	4974
1636	65	3705	3907	4108	4329	4492	4680	4823	5044	5389
1761	70	3990	4207	4424	4662	4837	5040	5194	5432	5803