

ALICE 18 TANDEM HORIZONTAL

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EUROPEAN
WARRANTY

MATERIAL:

- Vertical collectors in painted mild steel \varnothing 38 mm.
- Double horizontal 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. The kit is certified from TÜV in compliance with

VDI 6036-class 4. 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

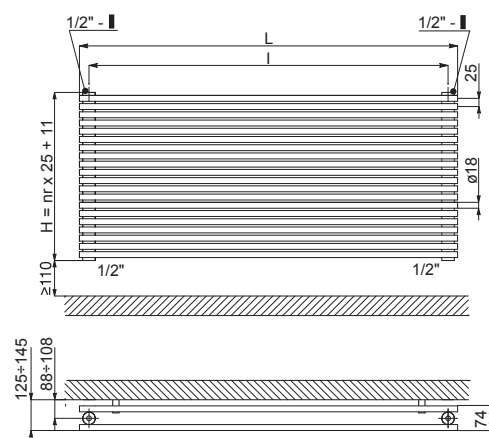
See Accessories chapter

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent
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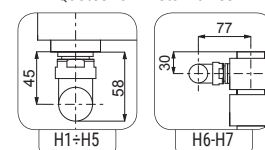
WIDTH L [mm]	400	500	600	700	800	1000	1200	1400	1500
Dry Weight per section [kg]	0,45	0,552	0,652	0,75	0,851	1,050	1,249	1,448	1,547
Element Water content [lt]	0,20	0,241	0,279	0,32	0,356	0,432	0,508	0,585	0,623
Element surface [m2]	0,05	0,063	0,074	0,09	0,096	0,119	0,142	0,164	0,176
Pipe Centres I [mm] (H1 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 Δt 50°C x (desired Δt /50)ⁿ

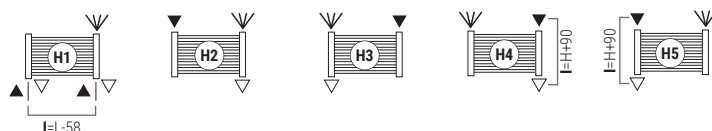
WIDTH L [mm]	1600	1700	1800	1900	2000	2100	2200	2300	2500
Dry Weight per section [kg]	1,647	1,746	1,846	1,945	2,045	2,095	2,25	2,45	2,65
Element Water content [lt]	0,661	0,700	0,738	0,776	0,814	0,833	0,89	0,97	1,04
Element surface [m2]	0,187	0,198	0,210	0,221	0,232	0,238	0,25	0,28	0,30
Pipe Centres I [mm] (H1 only)	1542	1642	1742	1842	1942	2042	2142	2242	2442



Quotes for Kristal valves



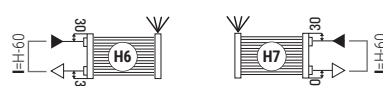
STANDARD CONNECTIONS WITHOUT SURCHARGE



Legenda=



SPECIAL CONNECTIONS (WITH SURCHARGE)



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

HOW TO ORDER THE RADIATOR ALICE 18 TANDEM HORIZONTAL

ARTICLE NR. STRUCTURE	Radiator model	Elements nr.	WIDTH 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 18 tandem horizontal	Numero elements E.g.: 20 elements	WIDTH in cm Example: 1200 mm	Article code of the connection Example: connection H4	Article code of the colour Example: S16 - Canary	Constant value
AT18	20	120	H04	S16	A	

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
AT18 ALICE 18 TANDEM HORIZONTAL
20 20 elements (see the table shown on the side)
120 WIDTH 1200 mm (see the table shown on the side)
H04 connection H4
S16 colour S16- Canary
A (Constant value)
The article code will be:
AT18 20 120 H04 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>Kristal valve corner right with thermostatic option white R01 - ral 9010</p> <p>Copper conn. \varnothing 12/14/15 Art. nr. 5991990311176</p> <p>Multilayer conn. \varnothing 16 Art. nr. 5991990311175</p>	<p>White thermostatic head</p> <p>(Kit 2 pieces) Art. nr. 5035270710016</p>
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ALICE 18 TANDEM HORIZONTAL

All intermediate sizes are available for widths from 5 to 40 elements and heights from 400 to 2500 mm

WIDTH L [mm]		400	500	600	700	800	1000	1200	1400	1500	Exp. n
Height H [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	142	178	214	249	285	356	427	498	534	1,2593
161	6	168	210	251	293	335	419	503	587	629	1,2583
186	7	192	240	287	355	383	479	575	671	719	1,2564
211	8	216	270	323	377	431	539	647	755	809	1,2564
236	9	239	299	358	418	478	597	716	836	896	1,2554
261	10	262	328	393	459	524	655	786	917	983	1,2544
286	11	284	356	427	498	569	711	853	995	1067	1,2534
311	12	306	383	460	536	613	766	919	1072	1149	1,2524
336	13	328	411	493	575	657	821	985	1149	1232	1,2514
361	14	350	438	525	613	700	875	1050	1225	1313	1,2504
386	15	371	464	556	649	742	927	1112	1298	1391	1,2494
411	16	392	490	587	685	783	979	1175	1371	1469	1,2484
436	17	412	516	619	722	825	1031	1237	1443	1547	1,2474
461	18	432	541	649	757	865	1081	1297	1513	1622	1,2464
486	19	452	566	679	792	905	1131	1357	1583	1697	1,2454
511	20	472	591	709	827	945	1181	1417	1653	1772	1,2444
536	21	492	615	737	860	983	1229	1475	1721	1844	1,2434
561	22	511	639	766	894	1022	1277	1532	1788	1916	1,2425
586	23	530	662	794	927	1059	1324	1589	1854	1986	1,2415
611	24	548	686	823	960	1097	1371	1645	1919	2057	1,2405
636	25	567	709	850	992	1134	1417	1700	1984	2126	1,2395
661	26	585	732	878	1024	1170	1463	1756	2048	2195	1,2385
686	27	603	754	905	1056	1206	1508	1810	2111	2262	1,2375
711	28	621	777	932	1087	1242	1553	1864	2174	2330	1,2365
736	29	638	798	958	1117	1277	1596	1915	2234	2394	1,2355
761	30	656	820	984	1148	1312	1640	1968	2296	2460	1,2345
786	31	673	842	1010	1178	1346	1683	2020	2356	2525	1,2335
811	32	690	863	1035	1208	1380	1725	2070	2415	2588	1,2325
836	33	707	884	1060	1237	1414	1767	2120	2474	2651	1,2315
861	34	724	905	1085	1266	1447	1809	2171	2533	2714	1,2305
886	35	740	925	1110	1295	1480	1850	2220	2590	2775	1,2296
911	36	756	945	1134	1323	1512	1890	2268	2646	2835	1,2286
936	37	772	965	1158	1351	1544	1930	2316	2702	2895	1,2276
961	38	788	985	1182	1379	1576	1970	2364	2758	2955	1,2266
986	39	804	1005	1205	1406	1607	2009	2411	2813	3014	1,2256
1011	40	819	1024	1228	1433	1638	2047	2456	2866	3071	1,2246

WIDTH L [mm]		1600	1700	1800	1900	2000	2100	2200	2300	2500	Exp. n
Height H [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	570	605	641	676	712	748	783	819	890	1,2593
161	6	670	712	754	796	838	880	922	964	1048	1,2583
186	7	766	814	862	910	958	1006	1054	1102	1198	1,2564
211	8	862	916	970	1024	1078	1132	1186	1240	1348	1,2564
236	9	955	1015	1075	1134	1194	1254	1313	1373	1493	1,2554
261	10	1048	1114	1179	1245	1310	1376	1441	1507	1638	1,2544
286	11	1138	1209	1280	1351	1422	1493	1564	1635	1778	1,2534
311	12	1226	1302	1379	1455	1532	1609	1685	1762	1915	1,2524
336	13	1314	1396	1478	1560	1642	1724	1806	1888	2053	1,2514
361	14	1400	1488	1575	1663	1750	1838	1925	2013	2188	1,2504
386	15	1483	1576	1669	1761	1854	1947	2039	2132	2318	1,2494
411	16	1566	1664	1762	1860	1958	2056	2154	2252	2448	1,2484
436	17	1650	1753	1856	1959	2062	2165	2268	2371	2578	1,2474
461	18	1730	1838	1946	2054	2162	2270	2378	2486	2703	1,2464
486	19	1810	1923	2036	2149	2262	2375	2488	2601	2828	1,2454
511	20	1890	2008	2126	2244	2362	2480	2598	2716	2953	1,2444
536	21	1966	2089	2212	2335	2458	2581	2704	2827	3073	1,2434
561	22	2043	2171	2299	2426	2554	2682	2809	2937	3193	1,2425
586	23	2118	2251	2383	2516	2648	2780	2913	3045	3310	1,2415
611	24	2194	2331	2468	2605	2742	2879	3016	3153	3428	1,2405
636	25	2267	2409	2551	2692	2834	2976	3117	3259	3543	1,2395
661	26	2341	2487	2633	2780	2926	3072	3219	3365	3658	1,2385
686	27	2413	2564	2714	2865	3016	3167	3318	3468	3770	1,2375
711	28	2485	2640	2795	2951	3106	3261	3417	3572	3883	1,2365
736	29	2554	2713	2873	3032	3192	3352	3511	3671	3990	1,2355
761	30	2624	2788	2952	3116	3280	3444	3608	3772	4100	1,2345
786	31	2693	2861	3029	3198	3366	3534	3703	3871	4208	1,2335
811	32	2760	2933	3105	3278	3450	3623	3795	3968	4313	1,2325
836	33	2827	3004	3181	3357	3534	3711	3887	4064	4418	1,2315
861	34	2894	3075	3256	3437	3618	3799	3980	4161	4523	1,2305
886	35	2960	3145	3330	3515	3700	3885	4070	4255	4625	1,2296
911	36	3024	3213	3402	3591	3780	3969	4158	4347	4725	1,2286
936	37	3088	3281	3474	3667	3860	4053	4246	4439	4825	1,2276
961	38	3152	3349	3546	3743	3940	4137	4334	4531	4925	1,2266
986	39	3214	3415	3616	3817	4018	4219	4420	4621	5023	1,2256
1011	40	3275	3480	3685	3889	4094	4299	4503	4708	5118	1,2246