



ARPA 12_2 HORIZONTAL

30 elements, height 544 mm, lenght 2220 mm. Agave finish (cod. 9N). Configuration cod. 01.



Technical features:

- manifolds with a 30 mm diameter circular section
- tubes made of sheet steel with an 12 mm diameter
- manifold threading 1/2" Gas right
- maximum working pressure 10 bar
- maximum working temperature 95°C

Finishes available

Standard White
Classic finishes
Special finishes
Other RAL colors

Surcharge

Finishing codes see page 596.



Model	Code	Depth P mm	Length L mm	Conn. C. L' mm	Weight Kg	Cap. lt
520	A22 0520 YY 01 IR 01 H	50	520	470	0,39	0,10
550	A22 0550 YY 01 IR 01 H	50	550	500	0,41	0,10
650	A22 0650 YY 01 IR 01 H	50	650	600	0,47	0,11
670	A22 0670 YY 01 IR 01 H	50	670	620	0,49	0,12
700	A22 0700 YY 01 IR 01 H	50	700	650	0,51	0,12
750	A22 0750 YY 01 IR 01 H	50	750	700	0,54	0,13
850	A22 0850 YY 01 IR 01 H	50	850	800	0,60	0,14
870	A22 0870 YY 01 IR 01 H	50	870	820	0,62	0,15
920	A22 0920 YY 01 IR 01 H	50	920	870	0,65	0,15
1220	A22 1220 YY 01 IR 01 H	50	1220	1170	0,94	0,20
1520	A22 1520 YY 01 IR 01 H	50	1520	1470	1,03	0,24
1820	A22 1820 YY 01 IR 01 H	50	1820	1770	1,22	0,28
2020	A22 2020 YY 01 IR 01 H	50	2020	1970	1,35	0,31
2220	A22 2220 YY 01 IR 01 H	50	2220	2170	1,48	0,34
2520	A22 2520 YY 01 IR 01 H	50	2520	2470	1,67	0,39

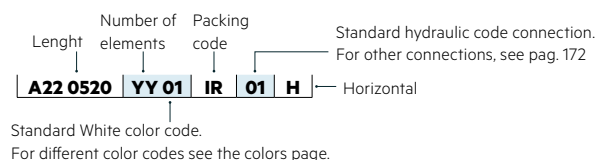
Price included:



Number of elements:

Radiators with an odd number of elements will be supplied at the same price as a radiator with the next even number of elements.
For example: an ARPA 12_2 Horizontal 1820 length and 9 elements wide = the price of an ARPA 12_2 Horizontal 1820 length and 10 elements wide.

Key Codes



ARPA 12_2 Horizontal: Power in Watt for linear metre

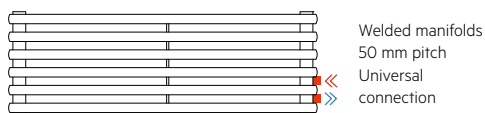
N. el.	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
Btu/h Δt= 50°C	785,6	1062,8	1339,9	1617,1	1894,2	2171,3	2448,5	2725,6	3002,8	3279,9	3557,0	3731,8	3903,6	4072,9	4239,5	4404,7	4567,9	4730,1	4890,9	5051,0	5210,1	5368,9	5526,9	5684,7	5842,0	5999,4	6156,8	6314,2	6471,6
Watt Δt= 50°C	230,1	311,3	392,5	473,7	554,8	636,0	717,2	798,4	879,5	960,7	1041,9	1093,1	1143,4	1193,0	1241,8	1290,2	1338,0	1385,5	1432,6	1479,5	1526,1	1572,6	1618,9	1665,1	1711,2	1757,3	1803,4	1849,5	1895,6
Watt Δt= 40°C	175,2	236,9	298,5	359,7	423,2	487,3	547,2	606,5	664,1	721,0	779,6	835,0	871,5	907,3	942,3	978,7	1014,7	1050,4	1085,9	1121,1	1156,1	1190,9	1225,5	1260,0	1294,4	1328,8	1363,2	1397,5	1431,8
Watt Δt= 30°C*	123,3	166,6	209,7	252,3	298,5	345,7	386,0	425,5	462,3	498,0	565,2	590,0	614,0	637,4	660,2	685,5	710,4	735,1	759,6	784,0	808,2	832,1	855,9	879,6	903,2	926,8	950,3	973,8	997,3
Watt Δt= 20°C	75,1	101,4	127,6	153,0	182,5	213,1	236,1	258,2	277,5	295,7	347,8	361,6	374,8	387,6	399,8	414,9	429,8	444,5	459,1	473,6	487,9	502,1	516,1	530,0	543,9	557,7	571,5	585,3	599,0
Modification index	1,222	1,224	1,227	1,233	1,213	1,194	1,213	1,232	1,259	1,286	1,197	1,207	1,217	1,227	1,237	1,238	1,239	1,241	1,242	1,243	1,244	1,246	1,248	1,249	1,251	1,253	1,254	1,256	1,257

(*) Thanks to the high performance of Irsap ARPA 12_2 Horizontal radiators, the ideal Δt for low temperature projects is Δt at 30°C.

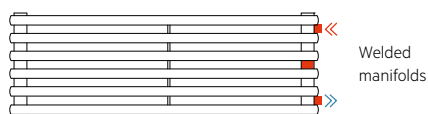
For Δt different from 50°C use the formula: $Q = Q_n (\Delta t / 50)^n$

Special Options

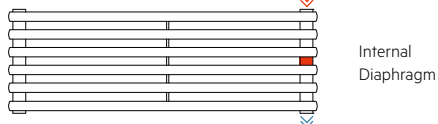
Cod. 88



Cod. 82



Cod. 80



Manifolds:

The pipefittings welded on the side manifold can be positioned at any point at a specified distance between centres. It is compulsory in this type of installation to install a diaphragm during production to ensure the product functions correctly. The minimum possible distance between centres is equal to 50 mm (Cod. 88), while the maximum distance depends on the length of the radiator (Cod. 88).

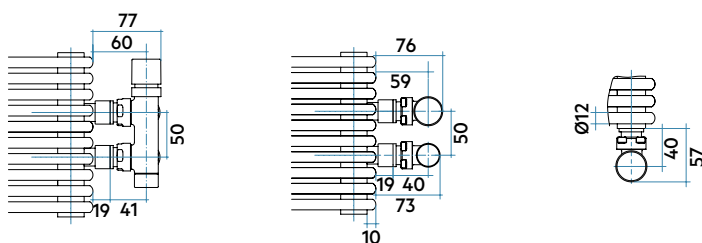
The maximum distance between centres is equal to the number of elements - 2 multiplied by 18 (element pitch): $H' = 18 \times (n^{\circ} \text{ of elements} - 2)$.

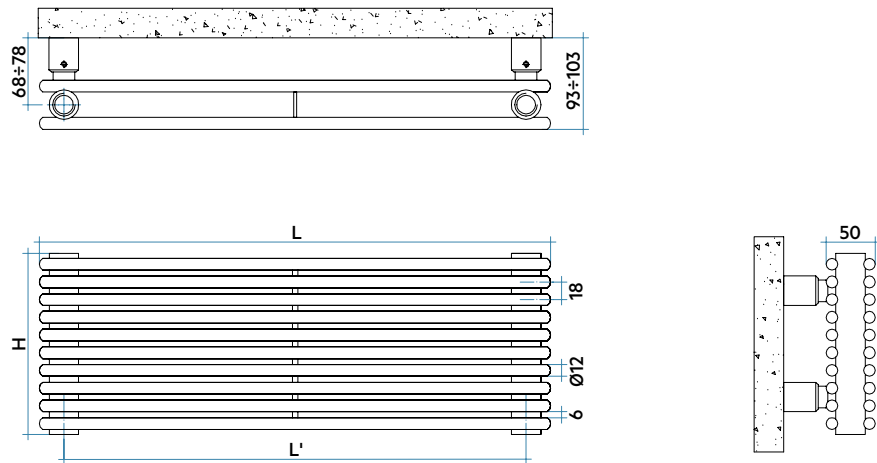
Side Connections (Cod. M82, M88): for side water connections insert an internal flow diverter to the bottom manifold

Internal Diaphragm (Cod. M80): Prearrangement for side connections with 1/2" welded fittings and internal baffle

For other connections see page 172

Connection dimensions with IRSAP valves

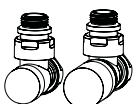




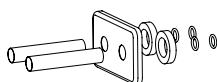
COMPLETE BATTERY DATA

		LENGHT (L)															
(H)		520	550	650	670	700	750	850	870	920	1220	1520	1820	2020	2220	2520	
Height mm	76																
yy = N° elem.	4	W	120	127	150	154	161	173	196	200	212	281	350	419	465	511	580
Height mm	112																
yy = N° elem.	6	W	162	171	202	209	218	233	265	271	286	380	473	567	629	691	784
Height mm	148																
yy = N° elem.	8	W	204	216	255	263	275	294	334	341	361	479	597	714	793	871	989
Height mm	184																
yy = N° elem.	10	W	246	261	308	317	332	355	403	412	436	578	720	862	957	1052	1194
Height mm	220																
yy = N° elem.	12	W	289	305	361	372	388	416	472	483	510	677	843	1010	1121	1232	1398
Height mm	256																
yy = N° elem.	14	W	331	350	413	426	445	477	541	553	585	776	967	1158	1285	1412	1603
Height mm	292																
yy = N° elem.	16	W	373	394	466	481	502	538	610	624	660	875	1090	1305	1449	1592	1807
Height mm	328																
yy = N° elem.	18	W	415	439	519	535	559	599	679	695	734	974	1214	1453	1613	1772	2012
Height mm	364																
yy = N° elem.	20	W	457	484	572	589	616	660	748	765	809	1073	1337	1601	1777	1953	2216
Height mm	400																
yy = N° elem.	22	W	500	528	624	644	673	721	817	836	884	1172	1460	1749	1941	2133	2421
Height mm	436																
yy = N° elem.	24	W	542	573	677	698	729	781	886	906	959	1271	1584	1896	2105	2313	2626
Height mm	472																
yy = N° elem.	26	W	568	601	711	732	765	820	929	951	1006	1334	1662	1989	2208	2427	2755
Height mm	508																
yy = N° elem.	28	W	595	629	743	766	800	858	972	995	1052	1395	1738	2081	2310	2538	2881
Height mm	544																
yy = N° elem.	30	W	620	656	775	799	835	895	1014	1038	1098	1455	1813	2171	2410	2648	3006
Height mm	580																
yy = N° elem.	32	W	646	683	807	832	869	931	1056	1080	1142	1515	1888	2260	2508	2757	3129
Height mm	616																
yy = N° elem.	34	W	671	710	839	864	903	968	1097	1122	1187	1574	1961	2348	2606	2864	3251
Height mm	652																
yy = N° elem.	36	W	696	736	870	896	937	1004	1137	1164	1231	1632	2034	2435	2703	2970	3372
Height mm	688																
yy = N° elem.	38	W	720	762	901	928	970	1039	1178	1205	1275	1690	2106	2522	2799	3076	
Height mm	724																
yy = N° elem.	40	W	745	788	931	960	1003	1074	1218	1246	1318	1748	2178	2607	2894	3180	
Height mm	760																
yy = N° elem.	42	W	769	814	962	991	1036	1110	1258	1287	1361	1805	2249	2693	2989	3284	
Height mm	796																
yy = N° elem.	44	W	794	839	992	1022	1068	1145	1297	1328	1404	1862	2320	2778	3083	3388	
Height mm	832																
yy = N° elem.	46	W	818	865	1022	1054	1101	1179	1337	1368	1447	1919	2390	2862	3177		
Height mm	868																
yy = N° elem.	48	W	842	890	1052	1085	1133	1214	1376	1408	1489	1975	2461	2946	3270		
Height mm	904																
yy = N° elem.	50	W	866	916	1082	1116	1166	1249	1415	1449	1532	2031	2531	3030	3364		
Height mm	940																
yy = N° elem.	52	W	890	941	1112	1147	1198	1283	1455	1489	1574	2088	2601	3114			
Height mm	976																
yy = N° elem.	54	W	914	967	1142	1177	1230	1318	1494	1529	1617	2144	2671	3198			
Height mm	1012																
yy = N° elem.	56	W	938	992	1172	1208	1262	1353	1533	1569	1659	2200	2741				
Height mm	1048																
yy = N° elem.	58	W	962	1017	1202	1239	1295	1387	1572	1609	1702	2256	2811				
Height mm	1084																
yy = N° elem.	60	W	986	1043	1232	1270	1327	1422	1611	1649	1744	2313	2881				

Decorative & Technical Accessories



Kit Valves and
Lockshield valve
Pag. 562



Pipe cover kit
Pag. 566

