ARPA 12_2 VERTICAL
30 elements, height 2220 mm, lenght 544 mm. Ice finish (cod. 3P). 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	Surcharge
Standard White	
Classic finishes	
Special finishes	
Other RAL colors	

Finishing codes see page 596.

Price included:

Wall fixing systems with screws and anchors (not available separately from the radiator)

1/2" Blind plug

Piper cover kit

1/2" Air vent

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 Vertical 1820 high and 9 elements wide = the price of an ARPA 12_2 Vertical 1820 high and 10 elements wide.

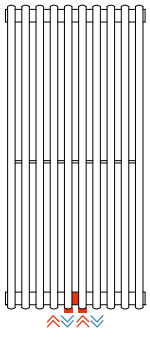
CE 17 EN442-1 EN 442 EURONORM

Model	Code	Depth	Height	Conn. centre	Weight	Capacity	Thermal Power Δt=50°C		Δt=40°C	Δt=30°C	Δt=20°C	Exponent
		mm	H mm	H' mm	Kg	lt	Btu/h	**Watt**	Watt	**Watt (*)**	Watt	n.
520	**A22 0520 YY 01 IR 01 A**	50	520	470	0,39	0,10	71,3	**20,9**	15,7	**10,8**	6,4	1,290
550	**A22 0550 YY 01 IR 01 A**	50	550	500	0,41	0,10	74,7	**21,9**	16,4	**11,3**	6,7	1,294
650	**A22 0650 YY 01 IR 01 A**	50	650	600	0,47	0,11	86,3	**25,3**	18,9	**13,0**	7,7	1,304
670	**A22 0670 YY 01 IR 01 A**	50	670	620	0,49	0,12	88,4	**25,9**	19,4	**13,3**	7,8	1,306
700	**A22 0700 YY 01 IR 01 A**	50	700	650	0,51	0,12	91,8	**26,9**	20,1	**13,8**	8,1	1,309
750	**A22 0750 YY 01 IR 01 A**	50	750	700	0,54	0,13	97,6	**28,6**	21,3	**14,6**	8,6	1,315
850	**A22 0850 YY 01 IR 01 A**	50	850	800	0,60	0,14	108,5	**31,8**	23,7	**16,2**	9,4	1,325
870	**A22 0870 YY 01 IR 01 A**	50	870	820	0,62	0,15	110,9	**32,5**	24,2	**16,5**	9,6	1,327
920	**A22 0920 YY 01 IR 01 A**	50	920	870	0,65	0,15	116,0	**34,0**	25,3	**17,2**	10,0	1,333
1220	**A22 1220 YY 01 IR 01 A**	50	1220	1170	0,94	0,20	148,1	**43,4**	32,3	**22,0**	12,9	1,328
1520	**A22 1520 YY 01 IR 01 A**	50	1520	1470	1,03	0,24	179,1	**52,5**	39,1	**26,7**	15,6	1,324
1820	**A22 1820 YY 01 IR 01 A**	50	1820	1770	1,22	0,28	209,8	**61,5**	45,8	**31,3**	18,3	1,321
2020	**A22 2020 YY 01 IR 01 A**	50	2020	1970	1,35	0,31	229,6	**67,3**	50,1	**34,3**	20,1	1,319
2220	**A22 2220 YY 01 IR 01 A**	50	2220	2170	1,48	0,34	249,8	**73,2**	54,6	**37,4**	21,9	1,317
2520	**A22 2520 YY 01 IR 01 A**	50	2520	2470	1,67	0,39	279,1	**81,8**	61,0	**41,8**	24,5	1,314

(*) Thanks to the high performance of Irsap ARPA 12_2 Vertical radiators, the ideal Δt for low temperature projects is Δt at 30°C.
For Δt different from 50°C use the formula: $Q=Qn\ (\Delta t / 50)^n$

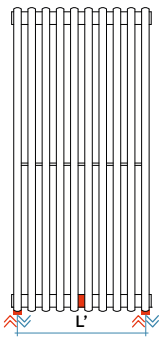
Special Options

Cod. 84



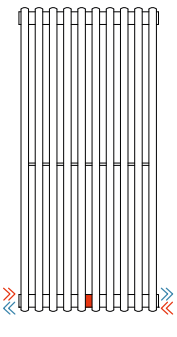
Welded manifolds 50 mm pitch Universal connection

Cod. 82



Welded manifolds

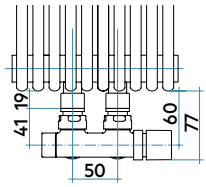
Cod. 80

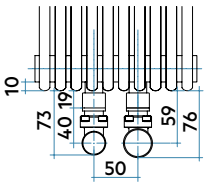


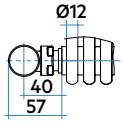
Internal Diaphragm

Manifolds:
The pipefittings welded on the bottom 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. 84), while the maximum distance depends on the length of the radiator (cod. 82). The maximum distance between centres is equal to the number of elements - 2 multiplied by 18 (element pitch): L' = 18 x (n° of elements - 2).
Bottom Connections (Cod. M82, M84): For bottom water connections insert an internal flow diverter to the bottom manifold
Internal Diaphragm (Cod. M80): Prearrangement for bottom connections with 1/2" welded fittings and internal baffle
For other connections see page 172

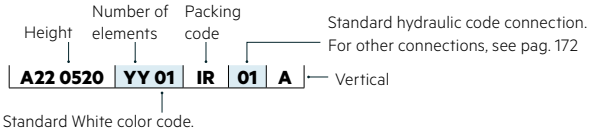
Connection dimensions with IRSAP valves

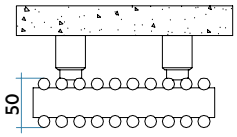


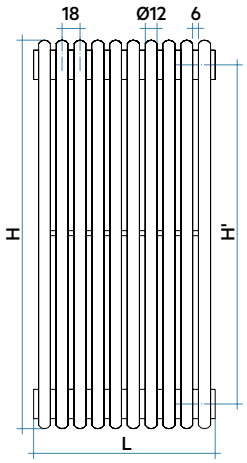


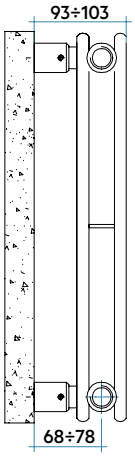


Key Codes







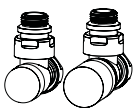


COMPLETE BATTERY DATA

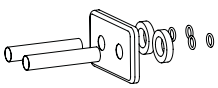
HEIGHT (H)

(L)			520	550	650	670	700	750	850	870	920	1220	1520	1820	2020	2220	2520
Lenght mm	**76**	W	84	88	101	104	108	114	127	130	136	174	210	246	269	293	327
yy = N° elem.	4																
Lenght mm	**112**	W	125	131	152	155	161	172	191	195	204	260	315	369	404	439	491
yy = N° elem.	6																
Lenght mm	**148**	W	167	175	202	207	215	229	254	260	272	347	420	492	538	586	654
yy = N° elem.	8																
Lenght mm	**184**	W	209	219	253	259	269	286	318	325	340	434	525	615	673	732	818
yy = N° elem.	10																
Lenght mm	**220**	W	251	263	304	311	323	343	382	390	408	521	630	738	808	878	982
yy = N° elem.	12																
Lenght mm	**256**	W	293	307	354	363	377	400	445	455	476	608	735	861	942	1025	1145
yy = N° elem.	14																
Lenght mm	**292**	W	334	350	405	414	430	458	509	520	544	694	840	984	1077	1171	1309
yy = N° elem.	16																
Lenght mm	**328**	W	376	394	455	466	484	515	572	585	612	781	945	1107	1211	1318	1472
yy = N° elem.	18																
Lenght mm	**364**	W	418	438	506	518	538	572	636	650	680	868	1050	1230	1346	1464	1636
yy = N° elem.	20																
Lenght mm	**400**	W	460	482	557	570	592	629	700	715	748	955	1155	1353	1481	1610	1800
yy = N° elem.	22																
Lenght mm	**436**	W	502	526	607	622	646	686	763	780	816	1042	1260	1476	1615	1757	1963
yy = N° elem.	24																
Lenght mm	**472**	W	543	569	658	673	699	744	827	845	884	1128	1365	1599	1750	1903	2127
yy = N° elem.	26																
Lenght mm	**508**	W	585	613	708	725	753	801	890	910	952	1215	1470	1722	1884	2050	2290
yy = N° elem.	28																
Lenght mm	**544**	W	627	657	759	777	807	858	954	975	1020	1302	1575	1845	2019	2196	2454
yy = N° elem.	30																
Lenght mm	**580**	W	669	701	810	829	861	915	1018	1040	1088	1389	1680	1968	2154	2342	2618
yy = N° elem.	32																
Lenght mm	**616**	W	711	745	860	881	915	972	1081	1105	1156	1476	1785	2091	2288	2489	2781
yy = N° elem.	34																
Lenght mm	**652**	W	752	788	911	932	968	1030	1145	1170	1224	1562	1890	2214	2423	2635	2945
yy = N° elem.	36																
Lenght mm	**688**	W	794	832	961	984	1022	1087	1208	1235	1292	1649	1995	2337	2557	2782	
yy = N° elem.	38																
Lenght mm	**724**	W	836	876	1012	1036	1076	1144	1272	1300	1360	1736	2100	2460	2692	2928	
yy = N° elem.	40																
Lenght mm	**760**	W	878	920	1063	1088	1130	1201	1336	1365	1428	1823	2205	2583	2827	3074	
yy = N° elem.	42																
Lenght mm	**796**	W	920	964	1113	1140	1184	1258	1399	1430	1496	1910	2310	2706	2961	3221	
yy = N° elem.	44																
Lenght mm	**832**	W	961	1007	1164	1191	1237	1316	1463	1495	1564	1996	2415	2829	3096		
yy = N° elem.	46																
Lenght mm	**868**	W	1003	1051	1214	1243	1291	1373	1526	1560	1632	2083	2520	2952	3230		
yy = N° elem.	48																
Lenght mm	**904**	W	1045	1095	1265	1295	1345	1430	1590	1625	1700	2170	2625	3075	3365		
yy = N° elem.	50																
Lenght mm	**940**	W	1087	1139	1316	1347	1399	1487	1654	1690	1768	2257	2730	3198			
yy = N° elem.	52																
Lenght mm	**976**	W	1129	1183	1366	1399	1453	1544	1717	1755	1836	2344	2835	3321			
yy = N° elem.	54																
Lenght mm	**1012**	W	1170	1226	1417	1450	1506	1602	1781	1820	1904	2430	2940				
yy = N° elem.	56																
Lenght mm	**1048**	W	1212	1270	1467	1502	1560	1659	1844	1885	1972	2517	3045				
yy = N° elem.	58																
Lenght mm	**1084**	W	1254	1314	1518	1554	1614	1716	1908	1950	2040	2604	3150				
yy = N° elem.	60																

Decorative & Technical Accessories



Kit Valves and Lockshield valve
Pag. 562



Pipe cover kit
Pag. 566