



ARPA 12_2 VERTICAL

30 elements, height 2220 mm, length 544 mm. Ice finish (cod. 3P). Configuration cod. 01.



Technical features:

- manifolds with a 30 mm diameter circular section
- tubes made of steel sheet 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
IRSAP finishes
Other RAL colors

Surcharge

Finishing codes see page 604.

Prices include:



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.

❗ For the possibility of requesting custom models see page 590

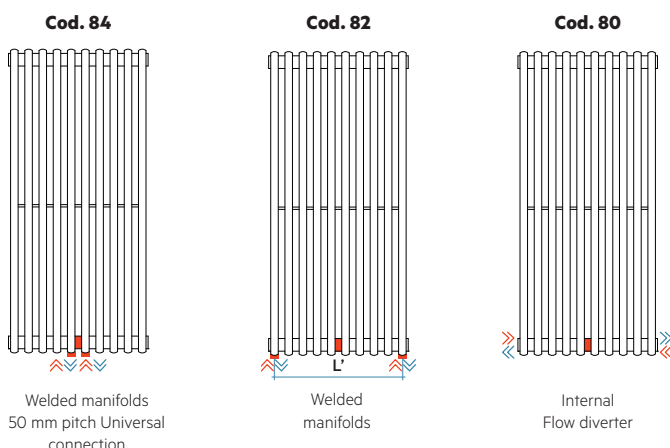


Model	Code	Depth mm	Height H mm	Conn. centre H' mm	Weight Kg	Capacity lt	Thermal Power					Exponent n.
							$\Delta t=50^{\circ}\text{C}$ Btu/h	$\Delta t=50^{\circ}\text{C}$ Watt	$\Delta t=40^{\circ}\text{C}$ Watt	$\Delta t=30^{\circ}\text{C}$ Watt (*)	$\Delta t=20^{\circ}\text{C}$ Watt	
520	A22 0520 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: $Q=Q_n (\Delta t / 50)^n$

Special Options



Manifolds:

The pipe fittings 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 flow diverter 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).

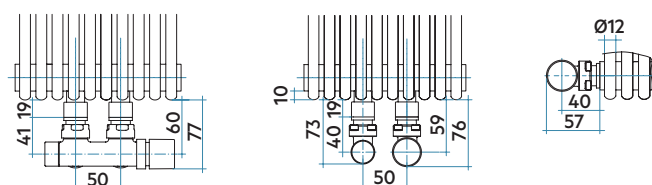
The maximum distance between centres is equal to the number of elements - 2 multiplied by 18 (element pitch): $L' = 18 \times (n^{\circ} \text{ of elements} - 2)$.

Bottom Connections (Cod. M82, M84): For bottom water connections insert an internal flow diverter to the bottom manifold

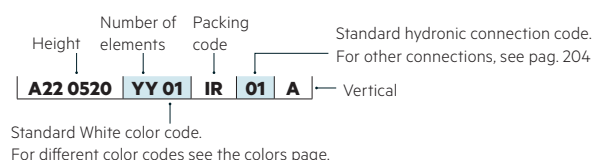
Internal Flow diverter (Cod. M80): Prearrangement for bottom connections with 1/2" welded fittings and internal flow diverter

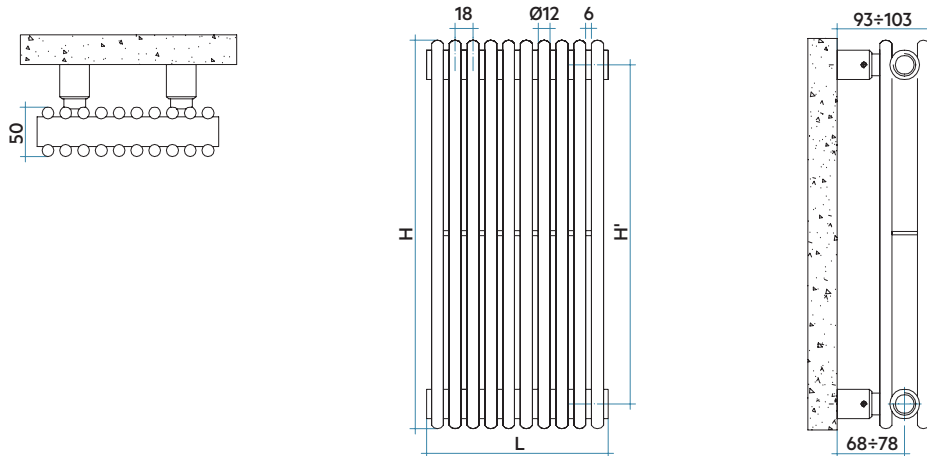
For other connections see page 204

Connection dimensions with IRSAP valves



Key Codes

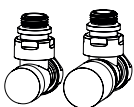




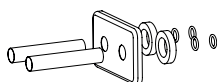
COMPLETE RADIATOR DATA

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

Decorative & Technical Accessories



Kit Valves and
Lockshield valve
Pag. 564



Pipe cover kit
Pag. 568

