

**ARPA 12 VERTICAL**

30 elements, height 1820, length 544 mm. Medium Grey finish (cod. 4D). 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:



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

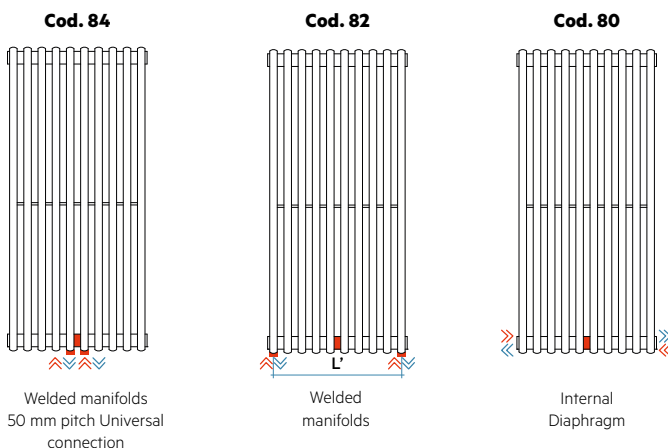


Model	Code	Depth mm	Height H mm	Conn. centre H' mm	Weight Kg	Capacity lt	Thermal Power				Exponent n.	
							$\Delta t=50^{\circ}\text{C}$ Btu/h	$\Delta t=50^{\circ}\text{C}$ Watt	$\Delta t=40^{\circ}\text{C}$ Watt	$\Delta t=30^{\circ}\text{C}$ Watt (*)		$\Delta t=20^{\circ}\text{C}$ Watt
520	A12 0520 YY 01 IR 01 A	40	520	470	0,23	0,06	46,4	13,6	10,2	7,1	4,3	1,270
550	A12 0550 YY 01 IR 01 A	40	550	500	0,24	0,06	48,8	14,3	10,8	7,5	4,5	1,273
650	A12 0650 YY 01 IR 01 A	40	650	600	0,27	0,07	57,3	16,8	12,6	8,7	5,2	1,281
670	A12 0670 YY 01 IR 01 A	40	670	620	0,27	0,07	59,0	17,3	13,0	9,0	5,3	1,283
700	A12 0700 YY 01 IR 01 A	40	700	650	0,28	0,07	61,4	18,0	13,5	9,3	5,5	1,285
750	A12 0750 YY 01 IR 01 A	40	750	700	0,29	0,07	65,5	19,2	14,4	9,9	5,9	1,290
850	A12 0850 YY 01 IR 01 A	40	850	800	0,33	0,08	73,7	21,6	16,2	11,1	6,6	1,298
870	A12 0870 YY 01 IR 01 A	40	870	820	0,34	0,08	75,4	22,1	16,5	11,4	6,7	1,300
920	A12 0920 YY 01 IR 01 A	40	920	870	0,35	0,09	79,2	23,2	17,3	11,9	7,0	1,304
1220	A12 1220 YY 01 IR 01 A	40	1220	1170	0,45	0,10	103,4	30,3	22,7	15,6	9,2	1,302
1520	A12 1520 YY 01 IR 01 A	40	1520	1470	0,54	0,13	126,9	37,2	27,8	19,1	11,3	1,301
1820	A12 1820 YY 01 IR 01 A	40	1820	1770	0,64	0,15	149,8	43,9	32,9	22,6	13,4	1,298
2020	A12 2020 YY 01 IR 01 A	40	2020	1970	0,70	0,17	165,1	48,4	36,2	25,0	14,8	1,297
2220	A12 2220 YY 01 IR 01 A	40	2220	2170	0,77	0,18	180,2	52,8	39,6	27,3	16,1	1,295
2520	A12 2520 YY 01 IR 01 A	40	2520	2470	0,87	0,20	202,7	59,4	44,5	30,7	18,2	1,292

(\*) Thanks to the high performance of Irsap ARPA 12 Vertical radiators, the ideal  $\Delta t$  for low temperature projects is  $\Delta t$  at 30°C.

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

### Special Options



### Manifolds:

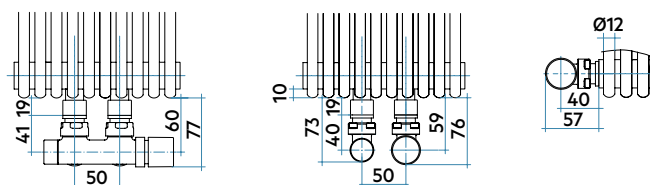
The pipefittings welded on the bottom manifold can be positioned at any point at a specified distance between centres. It is compulsory in this type of installation to install a diaphragm during production to ensure the product functions correctly. The minimum possible distance between centres is equal 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):  $L' = 18 \times (n^{\circ} \text{ of elements} - 2)$ .

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

**Internal 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

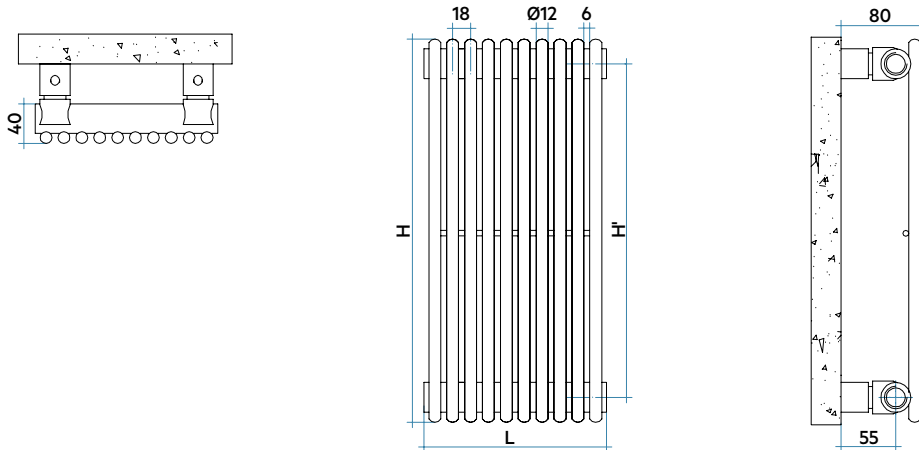


### Key Codes

Height | Number of elements | Packing code | Standard hydraulic code connection.  
For other connections, see pag. 172

**A12 0520 YY 01 IR 01 A** — Vertical

Standard White color code.  
For different color codes see the colors page.

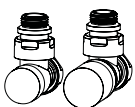


### COMPLETE BATTERY DATA

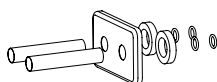
#### HEIGHT (H)

(L)		520	550	650	670	700	750	850	870	920	1220	1520	1820	2020	2220	2520	
<b>Lenght mm</b>	<b>76</b>																
<i>yy = N° elem.</i>	4	W	54	57	67	69	72	77	86	88	93	121	149	176	194	211	238
<b>Lenght mm</b>	<b>112</b>																
<i>yy = N° elem.</i>	6	W	82	86	101	104	108	115	130	133	139	182	223	263	290	317	356
<b>Lenght mm</b>	<b>148</b>																
<i>yy = N° elem.</i>	8	W	109	114	134	138	144	154	173	177	186	242	298	351	387	422	475
<b>Lenght mm</b>	<b>184</b>																
<i>yy = N° elem.</i>	10	W	136	143	168	173	180	192	216	221	232	303	372	439	484	528	594
<b>Lenght mm</b>	<b>220</b>																
<i>yy = N° elem.</i>	12	W	163	172	202	208	216	230	259	265	278	364	446	527	581	634	713
<b>Lenght mm</b>	<b>256</b>																
<i>yy = N° elem.</i>	14	W	190	200	235	242	252	269	302	309	325	424	521	615	678	739	832
<b>Lenght mm</b>	<b>292</b>																
<i>yy = N° elem.</i>	16	W	218	229	269	277	288	307	346	354	371	485	595	702	774	845	950
<b>Lenght mm</b>	<b>328</b>																
<i>yy = N° elem.</i>	18	W	245	257	302	311	324	346	389	398	418	545	670	790	871	950	1069
<b>Lenght mm</b>	<b>364</b>																
<i>yy = N° elem.</i>	20	W	272	286	336	346	360	384	432	442	464	606	744	878	968	1056	1188
<b>Lenght mm</b>	<b>400</b>																
<i>yy = N° elem.</i>	22	W	299	315	370	381	396	422	475	486	510	667	818	966	1065	1162	1307
<b>Lenght mm</b>	<b>436</b>																
<i>yy = N° elem.</i>	24	W	326	343	403	415	432	461	518	530	557	727	893	1054	1162	1267	1426
<b>Lenght mm</b>	<b>472</b>																
<i>yy = N° elem.</i>	26	W	354	372	437	450	468	499	562	575	603	788	967	1141	1258	1373	1544
<b>Lenght mm</b>	<b>508</b>																
<i>yy = N° elem.</i>	28	W	381	400	470	484	504	538	605	619	650	848	1042	1229	1355	1478	1663
<b>Lenght mm</b>	<b>544</b>																
<i>yy = N° elem.</i>	30	W	408	429	504	519	540	576	648	663	696	909	1116	1317	1452	1584	1782
<b>Lenght mm</b>	<b>580</b>																
<i>yy = N° elem.</i>	32	W	435	458	538	554	576	614	691	707	742	970	1190	1405	1549	1690	1901
<b>Lenght mm</b>	<b>616</b>																
<i>yy = N° elem.</i>	34	W	462	486	571	588	612	653	734	751	789	1030	1265	1493	1646	1795	2020
<b>Lenght mm</b>	<b>652</b>																
<i>yy = N° elem.</i>	36	W	490	515	605	623	648	691	778	796	835	1091	1339	1580	1742	1901	2138
<b>Lenght mm</b>	<b>688</b>																
<i>yy = N° elem.</i>	38	W	517	543	638	657	684	730	821	840	882	1151	1414	1668	1839	2006	2257
<b>Lenght mm</b>	<b>724</b>																
<i>yy = N° elem.</i>	40	W	544	572	672	692	720	768	864	884	928	1212	1488	1756	1936	2112	2376
<b>Lenght mm</b>	<b>760</b>																
<i>yy = N° elem.</i>	42	W	571	601	706	727	756	806	907	928	974	1273	1562	1844	2033	2218	2495
<b>Lenght mm</b>	<b>796</b>																
<i>yy = N° elem.</i>	44	W	598	629	739	761	792	845	950	972	1021	1333	1637	1932	2130	2323	2614
<b>Lenght mm</b>	<b>832</b>																
<i>yy = N° elem.</i>	46	W	626	658	773	796	828	883	994	1017	1067	1394	1711	2019	2226	2429	2732
<b>Lenght mm</b>	<b>868</b>																
<i>yy = N° elem.</i>	48	W	653	686	806	830	864	922	1037	1061	1114	1454	1786	2107	2323	2534	2851
<b>Lenght mm</b>	<b>904</b>																
<i>yy = N° elem.</i>	50	W	680	715	840	865	900	960	1080	1105	1160	1515	1860	2195	2420	2640	2970
<b>Lenght mm</b>	<b>940</b>																
<i>yy = N° elem.</i>	52	W	707	744	874	900	936	998	1123	1149	1206	1576	1934	2283	2517	2746	3089
<b>Lenght mm</b>	<b>976</b>																
<i>yy = N° elem.</i>	54	W	734	772	907	934	972	1037	1166	1193	1253	1636	2009	2371	2614	2851	3208
<b>Lenght mm</b>	<b>1012</b>																
<i>yy = N° elem.</i>	56	W	762	801	941	969	1008	1075	1210	1238	1299	1697	2083	2458	2710	2957	3326
<b>Lenght mm</b>	<b>1048</b>																
<i>yy = N° elem.</i>	58	W	789	829	974	1003	1044	1114	1253	1282	1346	1757	2158	2546	2807	3062	
<b>Lenght mm</b>	<b>1084</b>																
<i>yy = N° elem.</i>	60	W	816	858	1008	1038	1080	1152	1296	1326	1392	1818	2232	2634	2904	3168	

### Decorative & Technical Accessories



Kit Valves and Lockshield valve  
Pag. 562



Pipe cover kit  
Pag. 566

