



ARPA 18 VERTICAL

20 elements, height 2220 mm, length 541 mm. Quartz 1 finish (cod. 1C). Configuration cod. 01.

Technical features:

- manifolds with a 30 mm diameter circular section
- tubes made of steel sheet with an 18 mm diameter
- manifold threading 1/2" Gas right
- maximum working pressure 10 bar
- maximum working temperature 95°C

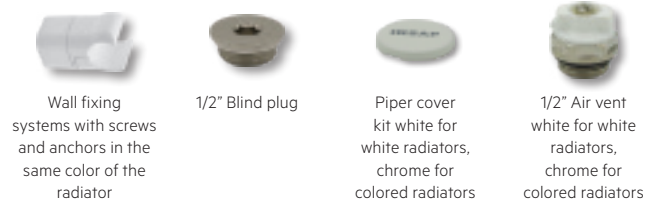
Finishes available

Standard White
IRSAP finishes
Other RAL colors

Finishing codes see page 604.

Surcharge

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 18 Vertical 1820 high and 9 elements wide = the price of an ARPA 18 Vertical 1820 high and 10 elements wide.

❗ For the possibility of requesting custom models see page 590



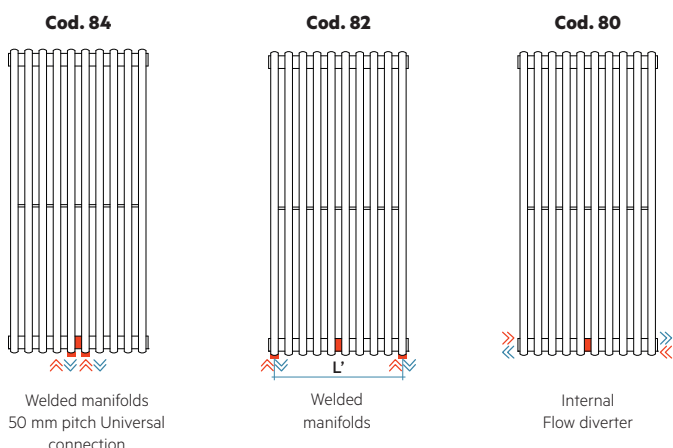
EN442-1

							Thermal Power					
Model	Code	Depth	Height	Conn. centre	Weight	Capacity	$\Delta t=50^{\circ}\text{C}$	$\Delta t=40^{\circ}\text{C}$	$\Delta t=30^{\circ}\text{C}$	$\Delta t=20^{\circ}\text{C}$	Exponent	
		mm	H mm	H' mm	Kg	lt	Btu/h	Watt	Watt	Watt (°)	Watt	n.
520	A18 0520 YY 01 IR 01 A	46	520	470	0,30	0,13	68,6	20,1	15,1	10,5	6,2	1,280
550	A18 0550 YY 01 IR 01 A	46	550	500	0,32	0,13	72,3	21,2	15,9	11,0	6,6	1,281
650	A18 0650 YY 01 IR 01 A	46	650	600	0,36	0,15	84,3	24,7	18,6	12,8	7,6	1,282
670	A18 0670 YY 01 IR 01 A	46	670	620	0,37	0,16	86,7	25,4	19,1	13,2	7,8	1,282
700	A18 0700 YY 01 IR 01 A	46	700	650	0,39	0,16	90,4	26,5	19,9	13,8	8,2	1,283
750	A18 0750 YY 01 IR 01 A	46	750	700	0,41	0,17	96,2	28,2	21,2	14,6	8,7	1,284
850	A18 0850 YY 01 IR 01 A	46	850	800	0,45	0,19	108,2	31,7	23,8	16,4	9,8	1,285
870	A18 0870 YY 01 IR 01 A	46	870	820	0,46	0,20	110,2	32,3	24,3	16,8	10,0	1,285
920	A18 0920 YY 01 IR 01 A	46	920	870	0,49	0,20	116,3	34,1	25,6	17,7	10,5	1,286
1220	A18 1220 YY 01 IR 01 A	46	1220	1170	0,62	0,26	150,5	44,1	33,2	23,0	13,7	1,277
1520	A18 1520 YY 01 IR 01 A	46	1520	1470	0,76	0,32	184,2	54,0	40,7	28,2	16,9	1,269
1820	A18 1820 YY 01 IR 01 A	46	1820	1770	0,90	0,38	217,3	63,7	48,0	33,2	19,8	1,273
2020	A18 2020 YY 01 IR 01 A	46	2020	1970	0,99	0,42	239,2	70,1	52,7	36,5	21,8	1,276
2220	A18 2220 YY 01 IR 01 A	46	2220	2170	1,08	0,46	260,7	76,4	57,4	39,7	23,7	1,279
2520	A18 2520 YY 01 IR 01 A	46	2520	2470	1,22	0,52	292,4	85,7	64,4	44,5	26,4	1,284

(*) Thanks to the high performance of Irsap ARPA 18 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 27 (element pitch): $L' = 27 \times (n^{\circ} \text{ of elements} - 2)$.

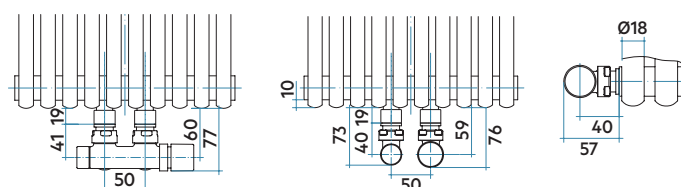
Bottom Connections (Cod. M82, M84): For bottom water connections insert an internal flow diverter to the bottom manifold

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

Configured for connection with single-pipe valve: connection available only for modul and/or double-pipe systems, no monotube valve with loop - (specify water inlet)

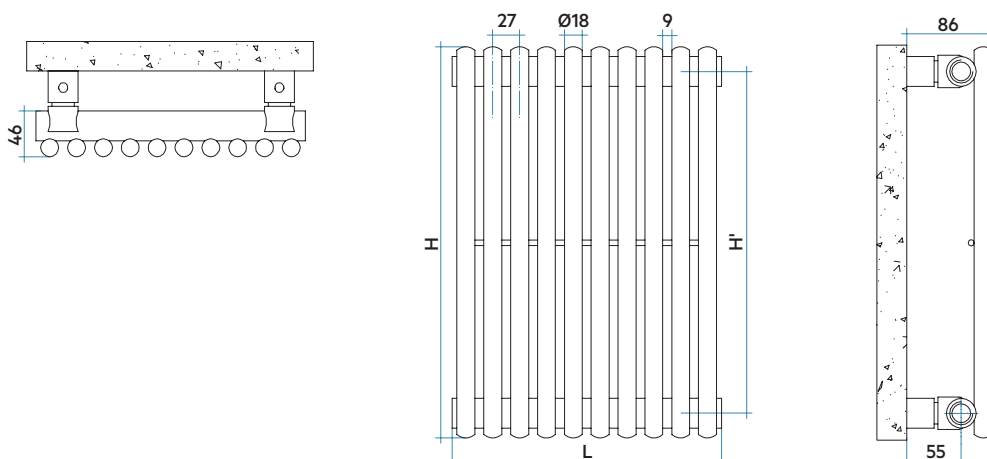
For other connections see page 204

Connection dimensions with IRSAP valves



Key Codes

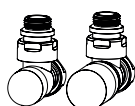
Height: A18
Number of elements: 0520
Packing code: YY 01
Standard hydronic connection code: IR 01
For other connections, see pag. 204
Vertical: A
Standard White color code.
For different color codes see the colors page.



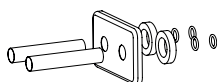
COMPLETE RADIATOR DATA

		HEIGHT (H)														
(L)		520	550	650	670	700	750	850	870	920	1220	1520	1820	2020	2220	2520
Lenght mm	109															
yy = N° elem.	4	W	80	85	99	102	106	113	127	129	136	176	216	255	280	343
Lenght mm	163															
yy = N° elem.	6	W	121	127	148	152	159	169	190	194	205	265	324	382	421	514
Lenght mm	217															
yy = N° elem.	8	W	161	170	198	203	212	226	254	258	273	353	432	510	561	686
Lenght mm	271															
yy = N° elem.	10	W	201	212	247	254	265	282	317	323	341	441	540	637	701	857
Lenght mm	325															
yy = N° elem.	12	W	241	254	296	305	318	338	380	388	409	529	648	764	841	1028
Lenght mm	379															
yy = N° elem.	14	W	281	297	346	356	371	395	444	452	477	617	756	892	981	1200
Lenght mm	433															
yy = N° elem.	16	W	322	339	395	406	424	451	507	517	546	706	864	1019	1122	1371
Lenght mm	487															
yy = N° elem.	18	W	362	382	445	457	477	508	571	581	614	794	972	1147	1262	1543
Lenght mm	541															
yy = N° elem.	20	W	402	424	494	508	530	564	634	646	682	882	1080	1274	1402	1714
Lenght mm	595															
yy = N° elem.	22	W	442	466	543	559	583	620	697	711	750	970	1188	1401	1542	1885
Lenght mm	649															
yy = N° elem.	24	W	482	509	593	610	636	677	761	775	818	1058	1296	1529	1682	2057
Lenght mm	703															
yy = N° elem.	26	W	523	551	642	660	689	733	824	840	887	1147	1404	1656	1823	2228
Lenght mm	757															
yy = N° elem.	28	W	563	594	692	711	742	790	888	904	955	1235	1512	1784	1963	2400
Lenght mm	811															
yy = N° elem.	30	W	603	636	741	762	795	846	951	969	1023	1323	1620	1911	2103	2571
Lenght mm	865															
yy = N° elem.	32	W	643	678	790	813	848	902	1014	1034	1091	1411	1728	2038	2243	2742
Lenght mm	919															
yy = N° elem.	34	W	683	721	840	864	901	959	1078	1098	1159	1499	1836	2166	2383	2914
Lenght mm	973															
yy = N° elem.	36	W	724	763	889	914	954	1015	1141	1163	1228	1588	1944	2293	2524	3085
Lenght mm	1027															
yy = N° elem.	38	W	764	806	939	965	1007	1072	1205	1227	1296	1676	2052	2421	2664	3257
Lenght mm	1081															
yy = N° elem.	40	W	804	848	988	1016	1060	1128	1268	1292	1364	1764	2160	2548	2804	3056
Lenght mm	1135															
yy = N° elem.	42	W	844	890	1037	1067	1113	1184	1331	1357	1432	1852	2268	2675	2944	3209
Lenght mm	1189															
yy = N° elem.	44	W	884	933	1087	1118	1166	1241	1395	1421	1500	1940	2376	2803	3084	3362
Lenght mm	1243															
yy = N° elem.	46	W	925	975	1136	1168	1219	1297	1458	1486	1569	2029	2484	2930	3225	
Lenght mm	1297															
yy = N° elem.	48	W	965	1018	1186	1219	1272	1354	1522	1550	1637	2117	2592	3058	3365	
Lenght mm	1351															
yy = N° elem.	50	W	1005	1060	1235	1270	1325	1410	1585	1615	1705	2205	2700	3185		
Lenght mm	1405															
yy = N° elem.	52	W	1045	1102	1284	1321	1378	1466	1648	1680	1773	2293	2808	3312		
Lenght mm	1459															
yy = N° elem.	54	W	1085	1145	1334	1372	1431	1523	1712	1744	1841	2381	2916			
Lenght mm	1513															
yy = N° elem.	56	W	1126	1187	1383	1422	1484	1579	1775	1809	1910	2470	3024			
Lenght mm	1567															
yy = N° elem.	58	W	1166	1230	1433	1473	1537	1636	1839	1873	1978	2558	3132			
Lenght mm	1621															
yy = N° elem.	60	W	1206	1272	1482	1524	1590	1692	1902	1938	2046	2646	3240			

Decorative & Technical Accessories



Kit Valves and
Lockshield valve
Pag. 564



Pipe cover kit
Pag. 568

