



ARPA 18 HORIZONTAL

20 elements, height 541 mm, lenght 2020 mm. Pearl Grey finish (cod. L6). Configuration cod. 01.



Technical features:

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

Surcharge

Finishing codes see page 596.



Model	Code	Depth P mm	Lenght L mm	Conn. C. L' mm	Weight Kg	Cap. lt
520	A18 0520 YY 01 IR 01 H	46	520	470	0,30	0,13
550	A18 0550 YY 01 IR 01 H	46	550	500	0,32	0,13
650	A18 0650 YY 01 IR 01 H	46	650	600	0,36	0,15
670	A18 0670 YY 01 IR 01 H	46	670	620	0,37	0,16
700	A18 0700 YY 01 IR 01 H	46	700	650	0,39	0,16
750	A18 0750 YY 01 IR 01 H	46	750	700	0,41	0,17
850	A18 0850 YY 01 IR 01 H	46	850	800	0,45	0,19
870	A18 0870 YY 01 IR 01 H	46	870	820	0,46	0,20
920	A18 0920 YY 01 IR 01 H	46	920	870	0,49	0,20
1220	A18 1220 YY 01 IR 01 H	46	1220	1170	0,62	0,26
1520	A18 1520 YY 01 IR 01 H	46	1520	1470	0,76	0,32
1820	A18 1820 YY 01 IR 01 H	46	1820	1770	0,90	0,38
2020	A18 2020 YY 01 IR 01 H	46	2020	1970	0,99	0,42
2220	A18 2220 YY 01 IR 01 H	46	2220	2170	1,08	0,46
2520	A18 2520 YY 01 IR 01 H	46	2520	2470	1,22	0,52

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 18 Horizontal 1820 lenght and 9 elements wide = the price of an ARPA 18 Horizontal 1820 lenght and 10 elements wide.

Key Codes

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

A18 0520 YY 01 IR 01 H — Horizontal

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

ARPA 18 Horizontal: Power in Watt for linear metre

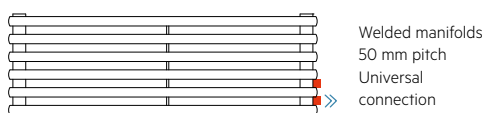
N. el.	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
Btu/h a $\Delta t = 50^\circ\text{C}$	849,7	1081,3	1312,9	1544,4	1776,0	2007,6	2239,1	2470,7	2710,4	2942,2	3161,7	3381,6	3589,8	3790,6	3983,8	4169,5	4348,4	4519,8	4684,7	4900,9	5117,1	5333,3	5549,4	5765,6	5981,8	6198,0	6414,2	6630,4	6846,6
Watt a $\Delta t = 50^\circ\text{C}$	248,9	316,7	384,6	452,4	520,2	588,0	655,9	723,7	793,9	861,8	926,1	990,5	1051,5	1110,3	1166,9	1221,3	1273,7	1323,9	1372,2	1435,5	1498,8	1562,2	1625,5	1688,8	1752,1	1815,5	1878,8	1942,1	2005,4
Watt a $\Delta t = 40^\circ\text{C}$	187,3	238,6	289,9	341,3	392,8	445,1	497,6	550,2	606,0	660,5	712,5	765,2	811,1	855,2	897,5	935,2	971,0	1004,8	1036,9	1096,0	1144,7	1193,5	1244,4	1295,5	1341,4	1400,4	1450,4	1500,4	1550,6
Watt a $\Delta t = 30^\circ\text{C}$	129,9	165,5	201,3	237,3	273,4	310,8	348,5	386,5	427,9	468,7	508,2	548,6	580,4	610,8	639,8	662,9	684,4	704,2	722,6	773,9	808,7	843,6	881,8	920,5	950,6	1002,1	1038,9	1075,8	1112,9
Watt a $\Delta t = 20^\circ\text{C}$	77,5	98,9	120,5	142,2	164,1	187,3	211,0	234,9	261,9	289,0	315,6	343,3	362,2	380,1	397,0	408,1	418,0	426,7	434,3	474,0	495,6	517,3	542,7	568,6	585,0	625,3	649,2	673,2	697,3
Modification index	1,274	1,270	1,267	1,263	1,259	1,248	1,238	1,228	1,210	1,192	1,175	1,157	1,163	1,170	1,177	1,196	1,216	1,236	1,256	1,209	1,208	1,206	1,197	1,188	1,197	1,163	1,160	1,156	1,153

(*) Thanks to the high performance of Irsap ARPA 18 Horizontal radiators, the ideal Δt for low temperature projects is Δt at 30°C .

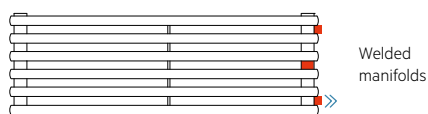
For Δt different from 50°C use the formula: $Q = Q_n (\Delta t / 50)^n$

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. 82). The maximum distance between centres is equal to the number of elements - 2 multiplied by 27 (element pitch): $H' = 27 \times (n^\circ \text{ of elements} - 2)$.

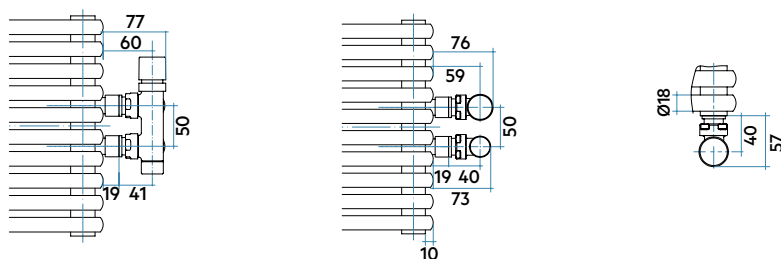
Side Connections (Cod. M82, M88): For side water connections insert an internal flow diverter to the bottom manifold

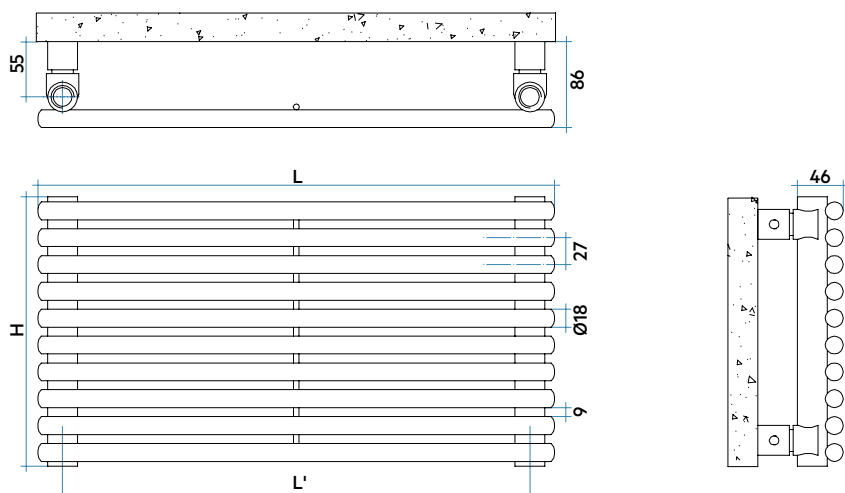
Internal Diaphragm (Cod. M80): Prearrangement for side connections with 1/2" welded fittings and internal baffle

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 172

Connection dimensions with IRSAP valves

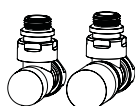




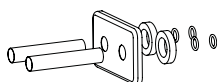
COMPLETE BATTERY DATA

		LENGHT (L)														
(H)		520	550	650	670	700	750	850	870	920	1220	1520	1820	2020	2220	2520
Height mm	109															
yy = N° elem.	4	W	129	137	162	167	174	187	212	217	229	304	378	453	503	627
Height mm	163															
yy = N° elem.	6	W	165	174	206	212	222	238	269	276	291	386	481	576	640	798
Height mm	217															
yy = N° elem.	8	W	200	212	250	258	269	288	327	335	354	469	585	700	777	969
Height mm	271															
yy = N° elem.	10	W	235	249	294	303	317	339	385	394	416	552	688	823	914	1140
Height mm	325															
yy = N° elem.	12	W	271	286	338	349	364	390	442	453	479	635	791	947	1051	1311
Height mm	379															
yy = N° elem.	14	W	306	323	382	394	412	441	500	512	541	717	894	1070	1188	1482
Height mm	433															
yy = N° elem.	16	W	341	361	426	439	459	492	557	571	603	800	997	1194	1325	1653
Height mm	487															
yy = N° elem.	18	W	376	398	470	485	507	543	615	630	666	883	1100	1317	1462	1824
Height mm	541															
yy = N° elem.	20	W	413	437	516	532	556	595	675	691	730	969	1207	1445	1604	2001
Height mm	595															
yy = N° elem.	22	W	448	474	560	577	603	646	733	750	793	1051	1310	1568	1741	2172
Height mm	649															
yy = N° elem.	24	W	482	509	602	620	648	695	787	806	852	1130	1408	1686	1871	2334
Height mm	703															
yy = N° elem.	26	W	515	545	644	664	693	743	842	862	911	1208	1506	1803	2001	2496
Height mm	757															
yy = N° elem.	28	W	547	578	683	705	736	789	894	915	967	1283	1598	1914	2124	2650
Height mm	811															
yy = N° elem.	30	W	577	611	722	744	777	833	944	966	1021	1355	1688	2021	2243	2798
Height mm	865															
yy = N° elem.	32	W	607	642	758	782	817	875	992	1015	1074	1424	1774	2124	2357	2941
Height mm	919															
yy = N° elem.	34	W	635	672	794	818	855	916	1038	1063	1124	1490	1856	2223	2467	3078
Height mm	973															
yy = N° elem.	36	W	662	701	828	853	892	955	1083	1108	1172	1554	1936	2318	2573	3210
Height mm	1027															
yy = N° elem.	38	W	688	728	861	887	927	993	1125	1152	1218	1615	2012	2409	2674	3336
Height mm	1081															
yy = N° elem.	40	W	714	755	892	919	961	1029	1166	1194	1262	1674	2086	2497	2772	3046
Height mm	1135															
yy = N° elem.	42	W	746	790	933	962	1005	1077	1220	1249	1321	1751	2182	2613	2900	3187
Height mm	1189															
yy = N° elem.	44	W	779	824	974	1004	1049	1124	1274	1304	1379	1829	2278	2728	3028	3327
Height mm	1243															
yy = N° elem.	46	W	812	859	1015	1047	1094	1172	1328	1359	1437	1906	2375	2843	3156	
Height mm	1297															
yy = N° elem.	48	W	845	894	1057	1089	1138	1219	1382	1414	1495	1983	2471	2958	3284	
Height mm	1351															
yy = N° elem.	50	W	878	929	1098	1132	1182	1267	1435	1469	1554	2060	2567	3074		
Height mm	1405															
yy = N° elem.	52	W	911	964	1139	1174	1227	1314	1489	1524	1612	2138	2663	3189		
Height mm	1459															
yy = N° elem.	54	W	944	999	1180	1216	1271	1362	1543	1579	1670	2215	2760			
Height mm	1513															
yy = N° elem.	56	W	977	1033	1221	1259	1315	1409	1597	1635	1728	2292	2856			
Height mm	1567															
yy = N° elem.	58	W	1010	1068	1262	1301	1359	1457	1651	1690	1787	2369	2952			
Height mm	1621															
vv = N° elem.	60	W	1043	1103	1304	1344	1404	1504	1705	1745	1845	2447	3048			

Decorative & Technical Accessories



Kit Valves and
Lockshield valve
Pag. 562



Pipe cover kit
Pag. 566

