



ARPA 18_2 HORIZONTAL

20 elements, height 541 mm, lenght 2020 mm. Opaque Black finish (cod. K1). 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	A28 0520 YY 01 IR 01 H	62	520	470	0,54	0,23
550	A28 0550 YY 01 IR 01 H	62	550	500	0,57	0,24
650	A28 0650 YY 01 IR 01 H	62	650	600	0,66	0,28
670	A28 0670 YY 01 IR 01 H	62	670	620	0,68	0,29
700	A28 0700 YY 01 IR 01 H	62	700	650	0,71	0,30
750	A28 0750 YY 01 IR 01 H	62	750	700	0,75	0,32
850	A28 0850 YY 01 IR 01 H	62	850	800	0,84	0,36
870	A28 0870 YY 01 IR 01 H	62	870	820	0,86	0,37
920	A28 0920 YY 01 IR 01 H	62	920	870	0,91	0,39
1220	A28 1220 YY 01 IR 01 H	62	1220	1170	1,18	0,50
1520	A28 1520 YY 01 IR 01 H	62	1520	1470	1,46	0,62
1820	A28 1820 YY 01 IR 01 H	62	1820	1770	1,73	0,74
2020	A28 2020 YY 01 IR 01 H	62	2020	1970	1,92	0,82
2220	A28 2220 YY 01 IR 01 H	62	2220	2170	2,10	0,90
2520	A28 2520 YY 01 IR 01 H	62	2520	2470	2,37	1,01

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_2 Horizontal 1820 lenght and 9 elements wide = the price of an ARPA 18_2 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

A28 0520 YY 01 IR 01 H — Horizontal

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

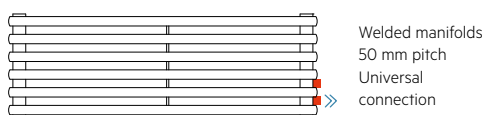
ARPA 18_2 Horizontal: Power in Watt for linear metre

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 $\Delta t = 50^\circ\text{C}$	1082,6	1464,4	1846,3	2228,2	2610,1	2992,0	3373,9	3755,7	4066,1	4351,5	4607,9	4850,3	5065,0	5258,6	5431,3	5568,2	5719,1	5835,9	5936,3	6221,2	6506,1	6791,0	7075,9	7360,9	7645,8	7930,7	8215,6	8500,6	8785,5
Watt a $\Delta t = 50^\circ\text{C}$	317,1	429,0	540,8	652,7	764,5	876,4	988,2	1100,1	1191,0	1274,6	1349,7	1420,7	1483,6	1540,3	1590,9	1631,0	1675,2	1709,4	1738,8	1822,3	1905,7	1989,2	2072,6	2156,1	2239,5	2323,0	2406,5	2489,9	2573,4
Watt a $\Delta t = 40^\circ\text{C}$	242,4	327,7	412,9	497,6	585,5	674,0	756,9	834,8	903,1	965,8	1022,0	1075,0	1122,4	1165,1	1203,2	1232,8	1265,3	1290,3	1311,6	1377,0	1437,2	1504,6	1567,5	1630,3	1693,1	1755,9	1818,6	1881,4	1944,1
Watt a $\Delta t = 30^\circ\text{C}$	171,4	231,6	291,6	350,8	415,0	480,5	536,6	584,9	632,2	675,5	714,1	750,4	783,4	813,0	839,4	859,4	881,2	897,9	911,9	959,6	998,9	1049,8	1093,4	1137,0	1180,5	1224,0	1267,5	1310,9	1354,3
Watt a $\Delta t = 20^\circ\text{C}$	105,2	142,0	178,6	214,3	255,5	298,2	330,5	354,2	382,4	408,0	430,8	452,2	471,9	489,6	505,3	516,8	529,2	538,6	546,4	576,7	598,2	632,1	658,1	684,2	710,1	736,1	762,0	787,8	813,7
Modification index	1,204	1,207	1,209	1,215	1,196	1,177	1,195	1,237	1,240	1,243	1,246	1,249	1,250	1,251	1,252	1,254	1,258	1,260	1,263	1,256	1,264	1,251	1,252	1,253	1,254	1,254	1,255	1,256	1,257

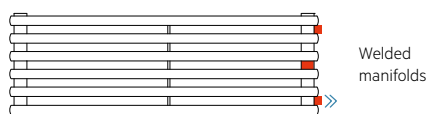
(*) Thanks to the high performance of Irsap ARPA 18_2 Horizontal radiators, the ideal Δt for low temperature projects is Δt at 30°C.
For Δt different from 50°C use the formula: $Q = Q_n (\Delta t / 50)^n$

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): $H' = 27 \times (n^\circ \text{ of elements} - 2)$.

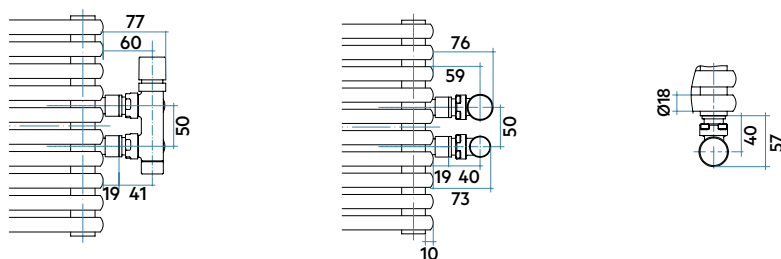
Side Connections (Cod. M82, M88): For side water connections insert an internal flow diverter to the bottom manifold

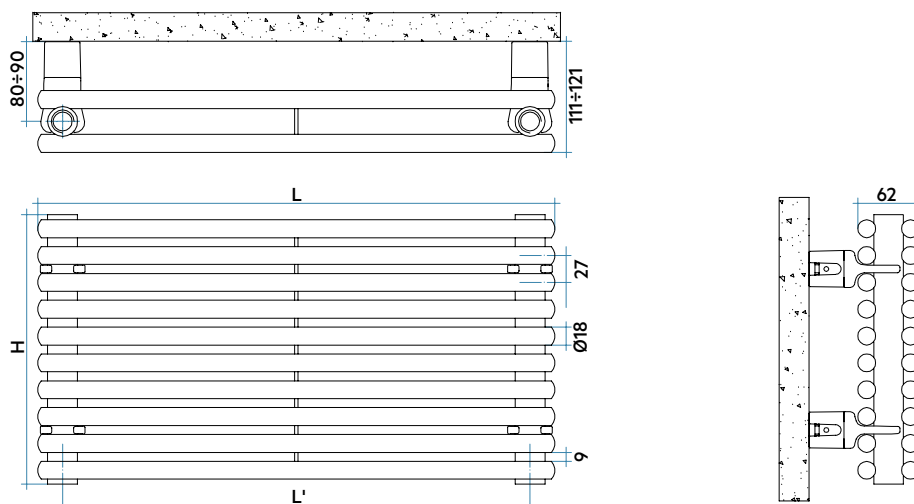
Internal Diaphragm (Cod. M80): Prearrangement for side connections with 1/2" welded fittings and internal baffle

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

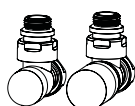




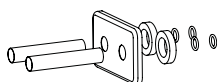
COMPLETE BATTERY DATA

		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	165	174	206	212	222	238	270	276	292	387	482	577	641	799
Height mm	163															
yy = N° elem.	6	W	223	236	279	287	300	322	365	373	395	523	652	781	866	1081
Height mm	217															
yy = N° elem.	8	W	281	297	352	362	379	406	460	471	498	660	822	984	1092	1363
Height mm	271															
yy = N° elem.	10	W	339	359	424	437	457	490	555	568	600	796	992	1188	1318	1645
Height mm	325															
yy = N° elem.	12	W	398	420	497	512	535	573	650	665	703	933	1162	1391	1544	1927
Height mm	379															
yy = N° elem.	14	W	456	482	570	587	613	657	745	762	806	1069	1332	1595	1770	2208
Height mm	433															
yy = N° elem.	16	W	514	544	642	662	692	741	840	860	909	1206	1502	1799	1996	2490
Height mm	487															
yy = N° elem.	18	W	572	605	715	737	770	825	935	957	1012	1342	1672	2002	2222	2772
Height mm	541															
yy = N° elem.	20	W	619	655	774	798	834	893	1012	1036	1096	1453	1810	2168	2406	3001
Height mm	595															
yy = N° elem.	22	W	663	701	828	854	892	956	1083	1109	1173	1555	1937	2320	2575	3212
Height mm	649															
yy = N° elem.	24	W	702	742	877	904	945	1012	1147	1174	1242	1647	2052	2456	2726	3401
Height mm	703															
yy = N° elem.	26	W	739	781	923	952	994	1066	1208	1236	1307	1733	2159	2586	2870	3580
Height mm	757															
yy = N° elem.	28	W	771	816	964	994	1039	1113	1261	1291	1365	1810	2255	2700	2997	3739
Height mm	811															
yy = N° elem.	30	W	801	847	1001	1032	1078	1155	1309	1340	1417	1879	2341	2803	3111	3419
Height mm	865															
yy = N° elem.	32	W	827	875	1034	1066	1114	1193	1352	1384	1464	1941	2418	2895	3214	
Height mm	919															
yy = N° elem.	34	W	848	897	1060	1093	1142	1223	1386	1419	1501	1990	2479	2968	3295	
Height mm	973															
yy = N° elem.	36	W	871	921	1089	1122	1173	1256	1424	1457	1541	2044	2546	3049	3384	
Height mm	1027															
yy = N° elem.	38	W	889	940	1111	1145	1197	1282	1453	1487	1573	2085	2598	3111		
Height mm	1081															
yy = N° elem.	40	W	904	956	1130	1165	1217	1304	1478	1513	1600	2121	2643	3165		
Height mm	1135															
yy = N° elem.	42	W	948	1002	1184	1221	1276	1367	1549	1585	1676	2223	2770			
Height mm	1189															
yy = N° elem.	44	W	991	1048	1239	1277	1334	1429	1620	1658	1753	2325	2897			
Height mm	1243															
yy = N° elem.	46	W	1034	1094	1293	1333	1392	1492	1691	1731	1830	2427	3024			
Height mm	1297															
yy = N° elem.	48	W	1078	1140	1347	1389	1451	1554	1762	1803	1907	2529				
Height mm	1351															
yy = N° elem.	50	W	1121	1186	1401	1445	1509	1617	1833	1876	1984	2630				
Height mm	1405															
yy = N° elem.	52	W	1165	1232	1456	1500	1568	1680	1904	1948	2060	2732				
Height mm	1459															
yy = N° elem.	54	W	1208	1278	1510	1556	1626	1742	1975	2021	2137	2834				
Height mm	1513															
yy = N° elem.	56	W	1251	1324	1564	1612	1685	1805	2045	2094	2214	2936				
Height mm	1567															
yy = N° elem.	58	W	1295	1369	1618	1668	1743	1867	2116	2166	2291					
Height mm	1621															
vv = N° elem.	60	W	1338	1415	1673	1724	1801	1930	2187	2239	2367					

Decorative & Technical Accessories



Kit Valves and
Lockshield valve
Pag. 562



Pipe cover kit
Pag. 566

