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	Surcharge
Standard White	
Classic finishes	
Special finishes	
Other RAL colors	

Finishing codes see page 596.

CE 18 EN442-1 EN 442 EURONORM

Model	Code	Depth	Lenght	Conn. C.	Weight	Cap.
		P mm	L mm	L' mm	Kg	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:

Wall fixing systems with screws and anchors

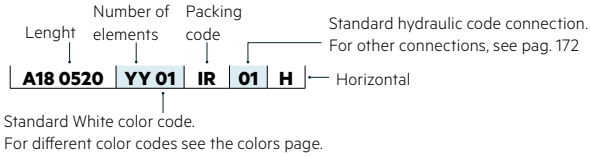
1/2" Blind plug

Piper cover kit

1/2" Air vent

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



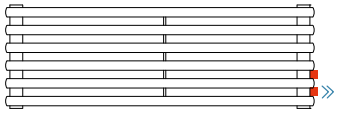
ARPA 18 Horizontal: Power in Watt for linear metre

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 Δt= 50°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 Δt= 50°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 Δt= 40°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 Δt= 30°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 Δt= 20°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=Qn (Δt / 50)^n

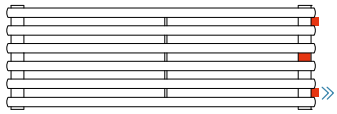
Special Options

Cod. 88



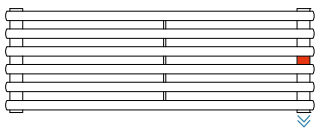
Welded manifolds
50 mm pitch
Universal connection

Cod. 82



Welded manifolds

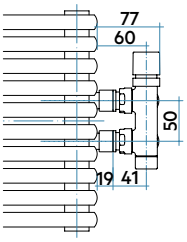
Cod. 80

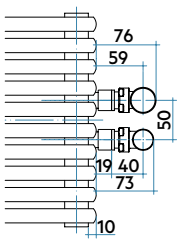


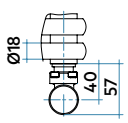
Internal Diaphragm

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 x (n° 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

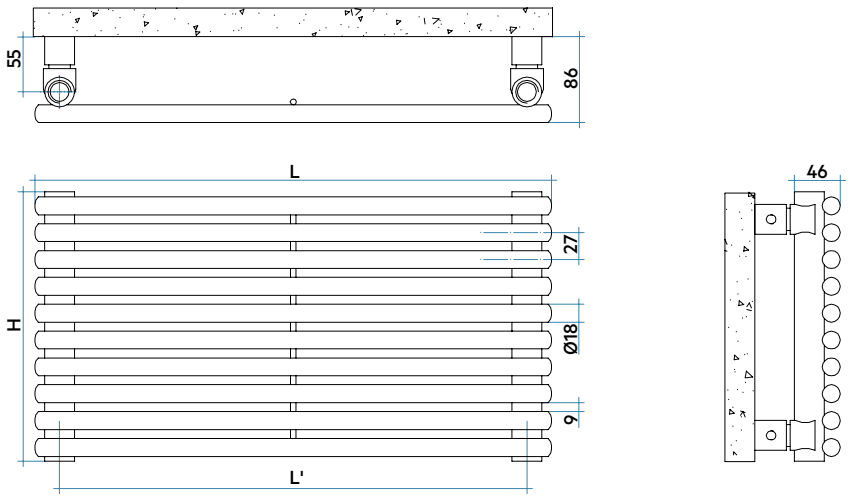






ARPA 18

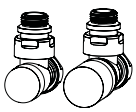
Horizontal



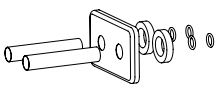
COMPLETE BATTERY DATA

(H)			LENGHT (L) 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*	*553*	*627*
Height mm	**163**																
yy = N° elem.	*6*	*W*	*165*	*174*	*206*	*212*	*222*	*238*	*269*	*276*	*291*	*386*	*481*	*576*	*640*	*703*	*798*
Height mm	**217**																
yy = N° elem.	*8*	*W*	*200*	*212*	*250*	*258*	*269*	*288*	*327*	*335*	*354*	*469*	*585*	*700*	*777*	*854*	*969*
Height mm	**271**																
yy = N° elem.	*10*	*W*	*235*	*249*	*294*	*303*	*317*	*339*	*385*	*394*	*416*	*552*	*688*	*823*	*914*	*1004*	*1140*
Height mm	**325**																
yy = N° elem.	*12*	*W*	*271*	*286*	*338*	*349*	*364*	*390*	*442*	*453*	*479*	*635*	*791*	*947*	*1051*	*1155*	*1311*
Height mm	**379**																
yy = N° elem.	*14*	*W*	*306*	*323*	*382*	*394*	*412*	*441*	*500*	*512*	*541*	*717*	*894*	*1070*	*1188*	*1305*	*1482*
Height mm	**433**																
yy = N° elem.	*16*	*W*	*341*	*361*	*426*	*439*	*459*	*492*	*557*	*571*	*603*	*800*	*997*	*1194*	*1325*	*1456*	*1653*
Height mm	**487**																
yy = N° elem.	*18*	*W*	*376*	*398*	*470*	*485*	*507*	*543*	*615*	*630*	*666*	*883*	*1100*	*1317*	*1462*	*1607*	*1824*
Height mm	**541**																
yy = N° elem.	*20*	*W*	*413*	*437*	*516*	*532*	*556*	*595*	*675*	*691*	*730*	*969*	*1207*	*1445*	*1604*	*1762*	*2001*
Height mm	**595**																
yy = N° elem.	*22*	*W*	*448*	*474*	*560*	*577*	*603*	*646*	*733*	*750*	*793*	*1051*	*1310*	*1568*	*1741*	*1913*	*2172*
Height mm	**649**																
yy = N° elem.	*24*	*W*	*482*	*509*	*602*	*620*	*648*	*695*	*787*	*806*	*852*	*1130*	*1408*	*1686*	*1871*	*2056*	*2334*
Height mm	**703**																
yy = N° elem.	*26*	*W*	*515*	*545*	*644*	*664*	*693*	*743*	*842*	*862*	*911*	*1208*	*1506*	*1803*	*2001*	*2199*	*2496*
Height mm	**757**																
yy = N° elem.	*28*	*W*	*547*	*578*	*683*	*705*	*736*	*789*	*894*	*915*	*967*	*1283*	*1598*	*1914*	*2124*	*2334*	*2650*
Height mm	**811**																
yy = N° elem.	*30*	*W*	*577*	*611*	*722*	*744*	*777*	*833*	*944*	*966*	*1021*	*1355*	*1688*	*2021*	*2243*	*2465*	*2798*
Height mm	**865**																
yy = N° elem.	*32*	*W*	*607*	*642*	*758*	*782*	*817*	*875*	*992*	*1015*	*1074*	*1424*	*1774*	*2124*	*2357*	*2591*	*2941*
Height mm	**919**																
yy = N° elem.	*34*	*W*	*635*	*672*	*794*	*818*	*855*	*916*	*1038*	*1063*	*1124*	*1490*	*1856*	*2223*	*2467*	*2711*	*3078*
Height mm	**973**																
yy = N° elem.	*36*	*W*	*662*	*701*	*828*	*853*	*892*	*955*	*1083*	*1108*	*1172*	*1554*	*1936*	*2318*	*2573*	*2828*	*3210*
Height mm	**1027**																
yy = N° elem.	*38*	*W*	*688*	*728*	*861*	*887*	*927*	*993*	*1125*	*1152*	*1218*	*1615*	*2012*	*2409*	*2674*	*2939*	*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**																
yy = 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