ARPA 18 VERTICAL
20 elements, height 2220 mm, lenght 541 mm. Quartz 1 finish (cod. 1C). 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.

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

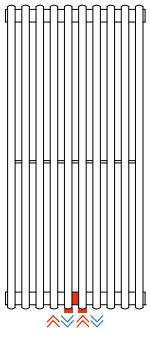
CE 18 EN442-1 EN 442 EURONORM

Model	Code	Depth	Height	Conn. centre	Weight	Capacity	Thermal Power Δt=50°C		Δt=40°C	Δt=30°C	Δt=20°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: $Q=Qn\ (\Delta t / 50)^n$

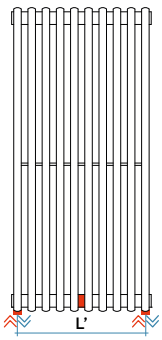
Special Options

Cod. 84



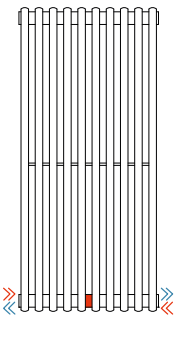
Welded manifolds 50 mm pitch Universal connection

Cod. 82



Welded manifolds

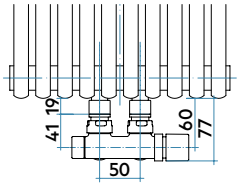
Cod. 80

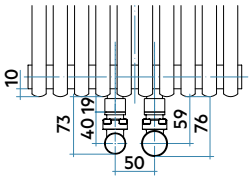


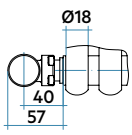
Internal Diaphragm

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 27 (element pitch): L' = 27 x (n° 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
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

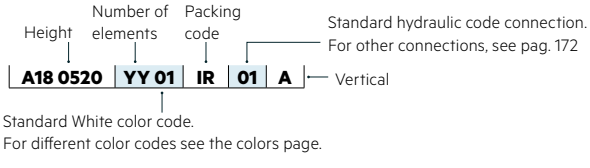
Connection dimensions with IRSAP valves

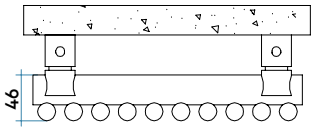


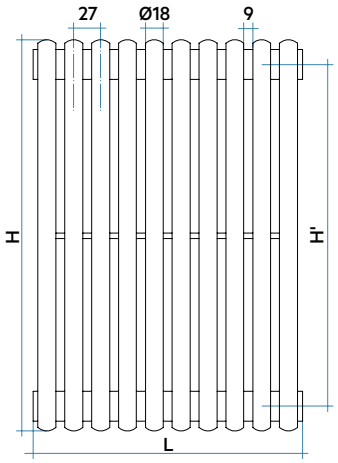


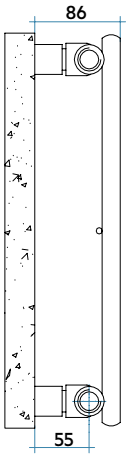


Key Codes





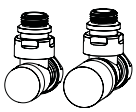




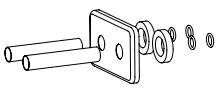
COMPLETE BATTERY DATA

(L)			HEIGHT (H) 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*	*306*	*343*
Lenght mm	**163**																
yy = N° elem.	*6*	*W*	*121*	*127*	*148*	*152*	*159*	*169*	*190*	*194*	*205*	*265*	*324*	*382*	*421*	*458*	*514*
Lenght mm	**217**																
yy = N° elem.	*8*	*W*	*161*	*170*	*198*	*203*	*212*	*226*	*254*	*258*	*273*	*353*	*432*	*510*	*561*	*611*	*686*
Lenght mm	**271**																
yy = N° elem.	*10*	*W*	*201*	*212*	*247*	*254*	*265*	*282*	*317*	*323*	*341*	*441*	*540*	*637*	*701*	*764*	*857*
Lenght mm	**325**																
yy = N° elem.	*12*	*W*	*241*	*254*	*296*	*305*	*318*	*338*	*380*	*388*	*409*	*529*	*648*	*764*	*841*	*917*	*1028*
Lenght mm	**379**																
yy = N° elem.	*14*	*W*	*281*	*297*	*346*	*356*	*371*	*395*	*444*	*452*	*477*	*617*	*756*	*892*	*981*	*1070*	*1200*
Lenght mm	**433**																
yy = N° elem.	*16*	*W*	*322*	*339*	*395*	*406*	*424*	*451*	*507*	*517*	*546*	*706*	*864*	*1019*	*1122*	*1222*	*1371*
Lenght mm	**487**																
yy = N° elem.	*18*	*W*	*362*	*382*	*445*	*457*	*477*	*508*	*571*	*581*	*614*	*794*	*972*	*1147*	*1262*	*1375*	*1543*
Lenght mm	**541**																
yy = N° elem.	*20*	*W*	*402*	*424*	*494*	*508*	*530*	*564*	*634*	*646*	*682*	*882*	*1080*	*1274*	*1402*	*1528*	*1714*
Lenght mm	**595**																
yy = N° elem.	*22*	*W*	*442*	*466*	*543*	*559*	*583*	*620*	*697*	*711*	*750*	*970*	*1188*	*1401*	*1542*	*1681*	*1885*
Lenght mm	**649**																
yy = N° elem.	*24*	*W*	*482*	*509*	*593*	*610*	*636*	*677*	*761*	*775*	*818*	*1058*	*1296*	*1529*	*1682*	*1834*	*2057*
Lenght mm	**703**																
yy = N° elem.	*26*	*W*	*523*	*551*	*642*	*660*	*689*	*733*	*824*	*840*	*887*	*1147*	*1404*	*1656*	*1823*	*1986*	*2228*
Lenght mm	**757**																
yy = N° elem.	*28*	*W*	*563*	*594*	*692*	*711*	*742*	*790*	*888*	*904*	*955*	*1235*	*1512*	*1784*	*1963*	*2139*	*2400*
Lenght mm	**811**																
yy = N° elem.	*30*	*W*	*603*	*636*	*741*	*762*	*795*	*846*	*951*	*969*	*1023*	*1323*	*1620*	*1911*	*2103*	*2292*	*2571*
Lenght mm	**865**																
yy = N° elem.	*32*	*W*	*643*	*678*	*790*	*813*	*848*	*902*	*1014*	*1034*	*1091*	*1411*	*1728*	*2038*	*2243*	*2445*	*2742*
Lenght mm	**919**																
yy = N° elem.	*34*	*W*	*683*	*721*	*840*	*864*	*901*	*959*	*1078*	*1098*	*1159*	*1499*	*1836*	*2166*	*2383*	*2598*	*2914*
Lenght mm	**973**																
yy = N° elem.	*36*	*W*	*724*	*763*	*889*	*914*	*954*	*1015*	*1141*	*1163*	*1228*	*1588*	*1944*	*2293*	*2524*	*2750*	*3085*
Lenght mm	**1027**																
yy = N° elem.	*38*	*W*	*764*	*806*	*939*	*965*	*1007*	*1072*	*1205*	*1227*	*1296*	*1676*	*2052*	*2421*	*2664*	*2903*	*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. 562



Pipe cover kit
Pag. 566