

# ARPA 23\_2

Horizontal

ARPA ○



## **ARPA 23\_2 HORIZONTAL**

18 elements, height 606 mm, length 1820 mm. Standard White finish (cod. 01). Configuration cod. 01.



### Technical features:

- round section manifold, 30 mm diameter
- 23 mm diameter steel round pipes
- threading at the ends of the manifolds, right G 1/2"
- maximum working pressure 8 bar
- maximum working temperature 95°C

Finishes available	Surcharge
Standard White	
Classic finishes	
Special finishes	
Other RAL colors	

Finishing codes see page 596.



Model	Code	Depth P mm	Lenght L mm	Conn. C. L' mm	Weight Kg	Cap. lt
520	SI2 0520 YY 01 A4 01 H	70	520	470	0,80	0,36
550	SI2 0550 YY 01 A4 01 H	70	550	500	0,85	0,38
650	SI2 0650 YY 01 A4 01 H	70	650	600	1,00	0,45
670	SI2 0670 YY 01 A4 01 H	70	670	620	1,03	0,46
700	SI2 0700 YY 01 A4 01 H	70	700	650	1,08	0,48
750	SI2 0750 YY 01 A4 01 H	70	750	700	1,15	0,52
850	SI2 0850 YY 01 A4 01 H	70	850	800	1,31	0,59
870	SI2 0870 YY 01 A4 01 H	70	870	820	1,33	0,54
920	SI2 0920 YY 01 A4 01 H	70	920	870	1,38	0,63
1220	SI2 1220 YY 01 A4 01 H	70	1220	1170	1,81	0,82
1520	SI2 1520 YY 01 A4 01 H	70	1520	1470	2,20	1,04
1820	SI2 1820 YY 01 A4 01 H	70	1820	1770	2,63	1,25
2020	SI2 2020 YY 01 A4 01 H	70	2020	1970	2,89	1,34
2520	SI2 2520 YY 01 A4 01 H	70	2520	2470	3,61	1,67

### Price included:

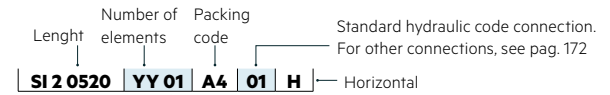


### Number of elements:

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: a ARPA 23\_2 Horizontal 1820 lenght and 7 elements wide = the price of a ARPA 23\_2 Horizontal 1820 lenght and 8 elements wide.

### Key Codes



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

### ARPA 23\_2 Horizontal: Power in Watt for linear metre

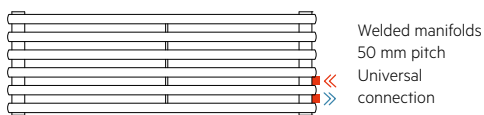
N. el.	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
Btu/h a Δt= 50°C	1388,5	1820,0	2206,1	2564,3	2902,9	3227,9	3542,0	3848,3	4147,7	4442,6	4733,2	5021,0	5306,0	5589,4	5871,4	6152,4	6433,0	6713,3	6993,6
Watt a Δt= 50°C	406,7	533,1	646,2	751,1	850,3	945,5	1037,5	1127,2	1214,9	1301,3	1386,4	1470,7	1554,2	1637,2	1719,8	1802,1	1884,3	1966,4	2048,5
Watt a Δt= 40°C	313,7	368,1	497,9	578,0	657,0	733,6	801,8	867,6	929,7	990,1	1064,0	1128,0	1191,5	1254,6	1317,3	1379,4	1441,6	1503,8	1565,9
Watt a Δt= 30°C*	224,4	228,3	355,8	412,3	471,1	529,0	575,1	619,1	658,5	696,0	756,4	801,2	845,8	890,1	934,0	977,2	1020,8	1064,2	1107,5
Watt a Δt= 20°C	140,0	116,5	221,6	256,2	294,8	333,6	360,1	384,8	405,0	423,5	467,7	494,7	521,9	548,7	575,4	601,2	627,5	653,7	679,7
Modification index	1,164	1,660	1,168	1,174	1,156	1,137	1,155	1,173	1,199	1,225	1,186	1,189	1,191	1,193	1,195	1,198	1,200	1,202	1,204

(\* ) Thanks to the high performance of Irsap ARPA 23\_2 Horizontal radiators, the ideal Δt for low temperature projects is Δt at 30°C.

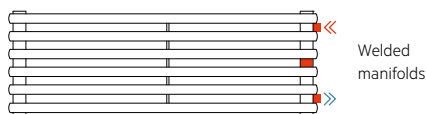
For Δt different from 50°C use the formula:  $Q = Q_n (\Delta t / 50)^n$

### 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 34 (element pitch):  $H' = 34 \times (n^\circ \text{ of elements} - 2)$ .

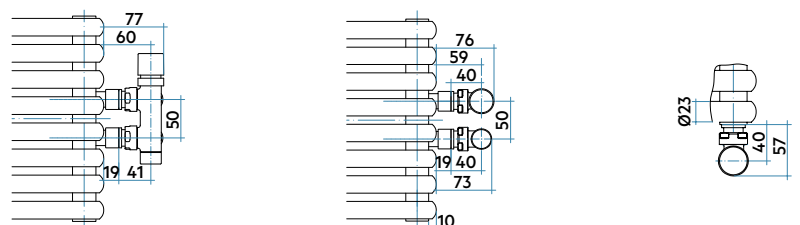
**Side Connections (Cod. M82, M88):** for side water connections insert an internal flow diverter to the bottom manifold

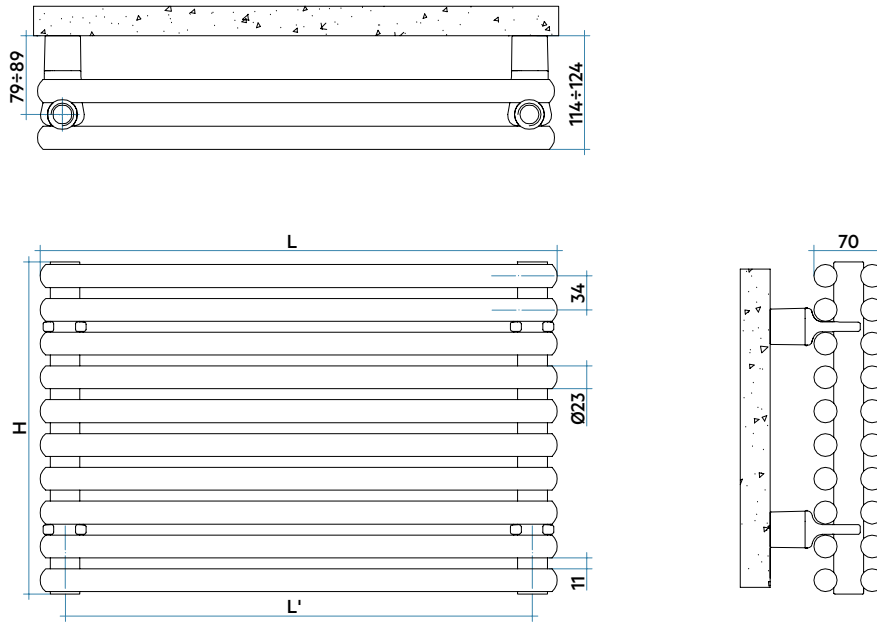
**Internal Diaphragm (Cod. M80):** Prearrangement for side connections with 1/2" welded fittings and internal baffle

**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



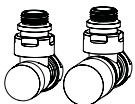


### COMPLETE BATTERY DATA

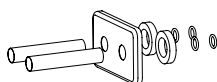
#### LENGHT (L)

(H)		520	550	650	670	700	750	850	870	920	1220	1520	1820	2020	2520
<b>Height mm 130</b> yy = N° elem. 4	W	211	224	264	272	285	305	346	354	374	496	618	740	822	1025
<b>Height mm 198</b> yy = N° elem. 6	W	277	293	347	357	373	400	453	464	490	650	810	970	1077	1343
<b>Height mm 266</b> yy = N° elem. 8	W	336	355	420	433	452	485	549	562	595	788	982	1176	1305	1628
<b>Height mm 334</b> yy = N° elem. 10	W	391	413	488	503	526	563	638	653	691	916	1142	1367	1517	1893
<b>Height mm 402</b> yy = N° elem. 12	W	442	468	553	570	595	638	723	740	782	1037	1292	1548	1718	2143
<b>Height mm 470</b> yy = N° elem. 14	W	492	520	615	633	662	709	804	823	870	1154	1437	1721	1910	2383
<b>Height mm 538</b> yy = N° elem. 16	W	540	571	674	695	726	778	882	903	955	1266	1577	1888	2096	2615
<b>Height mm 606</b> yy = N° elem. 18	W	586	620	733	755	789	845	958	981	1037	1375	1713	2052	2277	2841
<b>Height mm 674</b> yy = N° elem. 20	W	632	668	790	814	850	911	1033	1057	1118	1482	1847	2211	2454	3062
<b>Height mm 742</b> yy = N° elem. 22	W	677	716	846	872	911	976	1106	1132	1197	1588	1978	2368	2629	
<b>Height mm 810</b> yy = N° elem. 24	W	721	763	901	929	970	1040	1178	1206	1275	1691	2107	2523	2801	
<b>Height mm 878</b> yy = N° elem. 26	W	765	809	956	985	1029	1103	1250	1280	1353	1794	2235	2677		
<b>Height mm 946</b> yy = N° elem. 28	W	808	855	1010	1041	1088	1166	1321	1352	1430	1896	2362	2829		
<b>Height mm 1014</b> yy = N° elem. 30	W	851	900	1064	1097	1146	1228	1392	1424	1506	1997	2489			
<b>Height mm 1082</b> yy = N° elem. 32	W	894	946	1118	1152	1204	1290	1462	1496	1582	2098	2614			
<b>Height mm 1150</b> yy = N° elem. 34	W	937	991	1171	1207	1261	1352	1532	1568	1658	2199	2739			
<b>Height mm 1218</b> yy = N° elem. 36	W	980	1036	1225	1262	1319	1413	1602	1639	1734	2299				
<b>Height mm 1286</b> yy = N° elem. 38	W	1023	1082	1278	1317	1376	1475	1671	1711	1809	2399				
<b>Height mm 1354</b> yy = N° elem. 40	W	1065	1127	1332	1372	1434	1536	1741	1782	1885	2499				

### Decorative & Technical Accessories



Kit Valves and  
Lockshield valve  
Pag. 562



Pipe cover kit  
Pag. 566

