



SAX 2 HORIZONTAL

20 elements, height 800 mm, length 1800 mm. Woodland Green finish (cod. 19). Configuration cod. 01.
Designed by Synthesis Design



Technical features:

- manifolds with a 30 mm diameter circular section
- tubes made of sheet steel with a 20x25 mm rectangular section
- manifold threading 1/2" Gas right
- maximum working pressure 4 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 | Lenght | Conn. C. | Weight | Cap. |
|-------|-------------------------------|-------|--------|----------|--------|------|
| | | P mm | L mm | L' mm | Kg | lt |
| 500 | SX2 0500 YY 01 IR 01 H | 80 | 500 | 470 | 0,82 | 0,44 |
| 530 | SX2 0530 YY 01 IR 01 H | 80 | 530 | 500 | 0,86 | 0,47 |
| 630 | SX2 0630 YY 01 IR 01 H | 80 | 630 | 600 | 1,00 | 0,55 |
| 650 | SX2 0650 YY 01 IR 01 H | 80 | 650 | 620 | 1,03 | 0,57 |
| 680 | SX2 0680 YY 01 IR 01 H | 80 | 680 | 650 | 1,07 | 0,59 |
| 730 | SX2 0730 YY 01 IR 01 H | 80 | 730 | 700 | 1,14 | 0,63 |
| 830 | SX2 0830 YY 01 IR 01 H | 80 | 830 | 800 | 1,28 | 0,71 |
| 850 | SX2 0850 YY 01 IR 01 H | 80 | 850 | 820 | 1,31 | 0,73 |
| 900 | SX2 0900 YY 01 IR 01 H | 80 | 900 | 870 | 1,38 | 0,77 |
| 1200 | SX2 1200 YY 01 IR 01 H | 80 | 1200 | 1170 | 1,80 | 1,01 |
| 1500 | SX2 1500 YY 01 IR 01 H | 80 | 1500 | 1470 | 2,22 | 1,26 |
| 1800 | SX2 1800 YY 01 IR 01 H | 80 | 1800 | 1770 | 2,64 | 1,50 |
| 2000 | SX2 2000 YY 01 IR 01 H | 80 | 2000 | 1970 | 2,92 | 1,66 |

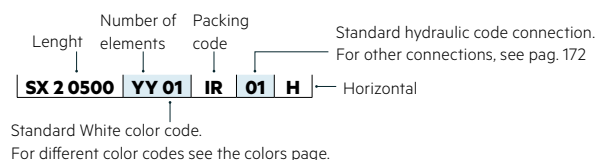
Price included:



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 SAX 2 Horizontal 1800 lenght and 9 elements wide = the price of a SAX 2 Horizontal 1800 lenght and 10 elements wide.

Key Codes



SAX 2 Horizontal: Power in Watt for linear metre

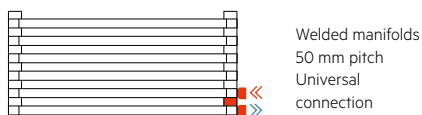
| N. el. | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Btu/h a Δt= 50°C | 1398,7 | 1952,1 | 2465,6 | 2947,6 | 3404,1 | 3838,4 | 4252,8 | 4649,5 | 5029,5 | 5394,8 | 5745,8 | 6083,4 | 6408,4 | 6721,8 | 7023,6 | 7314,8 | 7595,8 | 7866,5 | 8128,1 |
| Watt a Δt= 50°C | 409,7 | 571,8 | 722,2 | 863,4 | 997,1 | 1124,3 | 1245,7 | 1361,9 | 1473,2 | 1580,2 | 1683,0 | 1781,9 | 1877,1 | 1968,9 | 2057,3 | 2142,6 | 2224,9 | 2304,2 | 2380,8 |
| Watt a Δt= 40°C | 307,3 | 429,2 | 542,4 | 648,9 | 749,7 | 845,9 | 938,5 | 1028,1 | 1114,1 | 1195,0 | 1272,5 | 1347,0 | 1418,9 | 1488,0 | 1554,5 | 1618,9 | 1680,7 | 1740,2 | 1797,7 |
| Watt a Δt= 30°C* | 212,1 | 296,4 | 375,0 | 449,0 | 519,1 | 586,2 | 651,5 | 715,5 | 777,2 | 833,6 | 887,4 | 939,0 | 989,2 | 1037,1 | 1083,1 | 1128,0 | 1170,7 | 1211,8 | 1251,5 |
| Watt a Δt= 20°C | 125,8 | 176,0 | 222,9 | 267,2 | 309,2 | 349,5 | 389,4 | 429,3 | 467,8 | 501,8 | 533,9 | 564,8 | 594,9 | 623,5 | 650,9 | 677,8 | 703,2 | 727,6 | 751,1 |
| Modification index | 1,289 | 1,286 | 1,283 | 1,280 | 1,278 | 1,275 | 1,269 | 1,260 | 1,252 | 1,252 | 1,253 | 1,254 | 1,254 | 1,255 | 1,256 | 1,256 | 1,257 | 1,258 | 1,259 |

(*) Thanks to the high performance of Irsap SAX 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



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 - 1 multiplied by 40 (element pitch): $H' = 40 \times (n^{\circ} \text{ of elements} - 1)$.

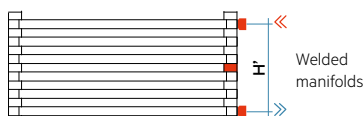
Side Connections (Cod. M82, M88): for side water connections insert an internal flow diverter to the bottom manifold

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)

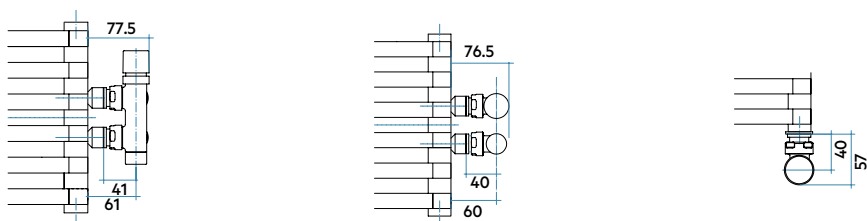
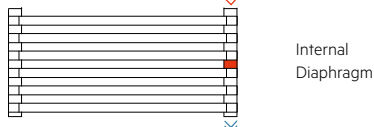
For other connections see page 172

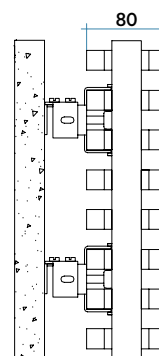
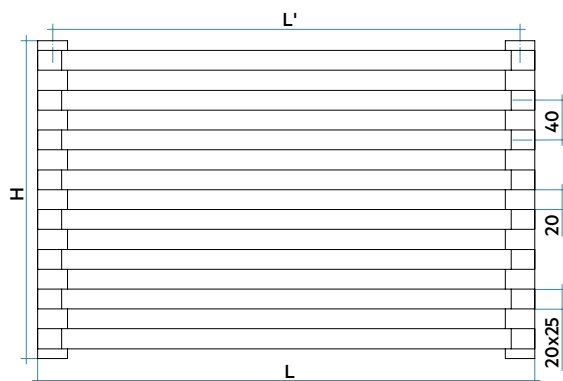
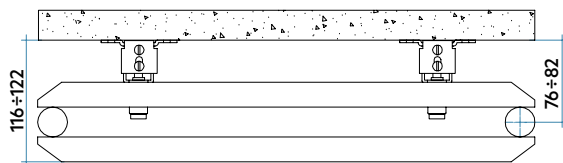
Cod. 82



Connection dimensions with IRSAP valves

Cod. 80

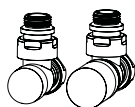




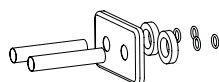
COMPLETE BATTERY DATA

| | | LENGTH (L) | | | | | | | | | | | | | |
|----------------------|-------------|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| (H) | | 500 | 530 | 630 | 650 | 680 | 730 | 830 | 850 | 900 | 1200 | 1500 | 1800 | 2000 | |
| Height mm | 160 | | | | | | | | | | | | | | |
| <i>yy = N° elem.</i> | 4 | W | 205 | 217 | 258 | 266 | 279 | 299 | 340 | 348 | 369 | 492 | 615 | 737 | 819 |
| Height mm | 240 | | | | | | | | | | | | | | |
| <i>yy = N° elem.</i> | 6 | W | 286 | 303 | 360 | 372 | 389 | 417 | 475 | 486 | 515 | 686 | 858 | 1029 | 1144 |
| Height mm | 320 | | | | | | | | | | | | | | |
| <i>yy = N° elem.</i> | 8 | W | 361 | 383 | 455 | 469 | 491 | 527 | 599 | 614 | 650 | 867 | 1083 | 1300 | 1444 |
| Height mm | 400 | | | | | | | | | | | | | | |
| <i>yy = N° elem.</i> | 10 | W | 432 | 458 | 544 | 561 | 587 | 630 | 717 | 734 | 777 | 1036 | 1295 | 1554 | 1727 |
| Height mm | 480 | | | | | | | | | | | | | | |
| <i>yy = N° elem.</i> | 12 | W | 499 | 528 | 628 | 648 | 678 | 728 | 828 | 848 | 897 | 1197 | 1496 | 1795 | 1994 |
| Height mm | 560 | | | | | | | | | | | | | | |
| <i>yy = N° elem.</i> | 14 | W | 562 | 596 | 708 | 731 | 765 | 821 | 933 | 956 | 1012 | 1349 | 1686 | 2024 | 2249 |
| Height mm | 640 | | | | | | | | | | | | | | |
| <i>yy = N° elem.</i> | 16 | W | 623 | 660 | 785 | 810 | 847 | 909 | 1034 | 1059 | 1121 | 1495 | 1869 | 2242 | 2491 |
| Height mm | 720 | | | | | | | | | | | | | | |
| <i>yy = N° elem.</i> | 18 | W | 681 | 722 | 858 | 885 | 926 | 994 | 1130 | 1158 | 1226 | 1634 | 2043 | 2451 | 2724 |
| Height mm | 800 | | | | | | | | | | | | | | |
| <i>yy = N° elem.</i> | 20 | W | 737 | 781 | 928 | 958 | 1002 | 1075 | 1223 | 1252 | 1326 | 1768 | 2210 | 2652 | 2946 |
| Height mm | 880 | | | | | | | | | | | | | | |
| <i>yy = N° elem.</i> | 22 | W | 790 | 838 | 996 | 1027 | 1075 | 1154 | 1312 | 1343 | 1422 | 1896 | 2370 | 2844 | 3160 |
| Height mm | 960 | | | | | | | | | | | | | | |
| <i>yy = N° elem.</i> | 24 | W | 842 | 892 | 1060 | 1094 | 1144 | 1229 | 1397 | 1431 | 1515 | 2020 | 2525 | 3029 | |
| Height mm | 1040 | | | | | | | | | | | | | | |
| <i>yy = N° elem.</i> | 26 | W | 891 | 944 | 1123 | 1158 | 1212 | 1301 | 1479 | 1515 | 1604 | 2138 | 2673 | | |
| Height mm | 1120 | | | | | | | | | | | | | | |
| <i>yy = N° elem.</i> | 28 | W | 939 | 995 | 1183 | 1220 | 1276 | 1370 | 1558 | 1596 | 1689 | 2253 | 2816 | | |
| Height mm | 1200 | | | | | | | | | | | | | | |
| <i>yy = N° elem.</i> | 30 | W | 984 | 1044 | 1240 | 1280 | 1339 | 1437 | 1634 | 1674 | 1772 | 2363 | | | |
| Height mm | 1280 | | | | | | | | | | | | | | |
| <i>yy = N° elem.</i> | 32 | W | 1029 | 1090 | 1296 | 1337 | 1399 | 1502 | 1708 | 1749 | 1852 | 2469 | | | |
| Height mm | 1360 | | | | | | | | | | | | | | |
| <i>yy = N° elem.</i> | 34 | W | 1071 | 1136 | 1350 | 1393 | 1457 | 1564 | 1778 | 1821 | 1928 | 2571 | | | |
| Height mm | 1440 | | | | | | | | | | | | | | |
| <i>yy = N° elem.</i> | 36 | W | 1112 | 1179 | 1402 | 1446 | 1513 | 1624 | 1847 | 1891 | 2002 | | | | |
| Height mm | 1520 | | | | | | | | | | | | | | |
| <i>yy = N° elem.</i> | 38 | W | 1152 | 1221 | 1452 | 1498 | 1567 | 1682 | 1912 | 1959 | 2074 | | | | |
| Height mm | 1600 | | | | | | | | | | | | | | |
| <i>yy = N° elem.</i> | 40 | W | 1190 | 1262 | 1500 | 1548 | 1619 | 1738 | 1976 | 2024 | 2143 | | | | |

Decorative & Technical Accessories



Kit Valves and Lockshield valve
Pag. 562



Pipe cover kit
Pag. 566

