



SAX HORIZONTAL

18 elements, height 720 mm, lenght 1800 mm. Matt Light Grey finish (cod. 8N). 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 P mm	Lenght L mm	Conn. C. L' mm	Weight Kg	Cap. lt
500	SX1 0500 YY 01 IR 01 H	55	500	470	0,47	0,24
530	SX1 0530 YY 01 IR 01 H	55	530	500	0,49	0,25
630	SX1 0630 YY 01 IR 01 H	55	630	600	0,56	0,29
650	SX1 0650 YY 01 IR 01 H	55	650	620	0,57	0,30
680	SX1 0680 YY 01 IR 01 H	55	680	650	0,59	0,32
730	SX1 0730 YY 01 IR 01 H	55	730	700	0,63	0,34
830	SX1 0830 YY 01 IR 01 H	55	830	800	0,70	0,38
850	SX1 0850 YY 01 IR 01 H	55	850	820	0,71	0,38
900	SX1 0900 YY 01 IR 01 H	55	900	870	0,75	0,40
1200	SX1 1200 YY 01 IR 01 H	55	1200	1170	0,96	0,53
1500	SX1 1500 YY 01 IR 01 H	55	1500	1470	1,17	0,65
1800	SX1 1800 YY 01 IR 01 H	55	1800	1770	1,38	0,77
2000	SX1 2000 YY 01 IR 01 H	55	2000	1970	1,52	0,85

SAX Horizontal: Power in Watt for linear metre

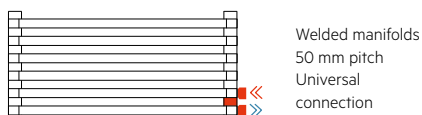
N. el.	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
Btu/h a $\Delta t = 50^\circ\text{C}$	710,8	1067,9	1420,6	1767,1	2107,8	2441,7	2768,8	3088,6	3401,7	3707,9	4007,0	4298,9	4584,3	4862,6	5134,0	5398,6	5656,7	5907,9	6152,7
Watt a $\Delta t = 50^\circ\text{C}$	208,2	312,8	416,1	517,6	617,4	715,2	811,0	904,7	996,4	1086,1	1173,7	1259,2	1342,8	1424,3	1503,8	1581,3	1656,9	1730,5	1802,2
Watt a $\Delta t = 40^\circ\text{C}$	156,9	235,8	313,9	390,7	466,4	540,8	617,0	688,2	757,7	825,6	892,0	956,8	1019,8	1081,2	1141,3	1199,6	1256,4	1311,9	1365,7
Watt a $\Delta t = 30^\circ\text{C}^*$	108,9	163,8	218,3	271,9	324,9	377,1	433,8	483,6	532,4	579,7	626,2	671,4	715,3	757,9	799,8	840,2	879,4	918,0	955,1
Watt a $\Delta t = 20^\circ\text{C}$	65,1	98,1	130,8	163,2	195,1	226,9	264,0	294,2	323,7	352,2	380,3	407,6	433,9	459,4	484,5	508,6	531,9	555,0	577,0
Modification index	1,269	1,266	1,263	1,260	1,257	1,253	1,225	1,226	1,227	1,229	1,230	1,231	1,233	1,235	1,236	1,238	1,240	1,241	1,243

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

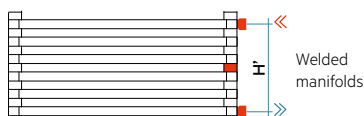
For Δt different from 50°C use the formula: $Q = Q_n (\Delta t / 50)^n$

Special Options

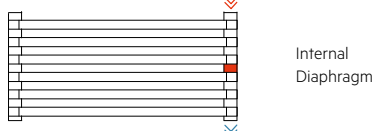
Cod. 88



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

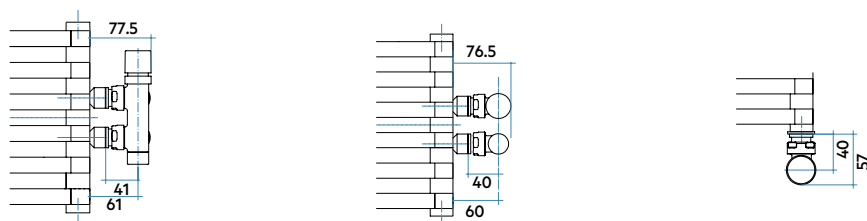
Side Connections (Cod. M82, M88): for side water connections insert an internal flow diverter to the bottom manifold

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

Connection dimensions with IRSAP valves



Price included:

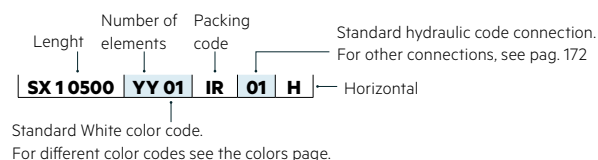


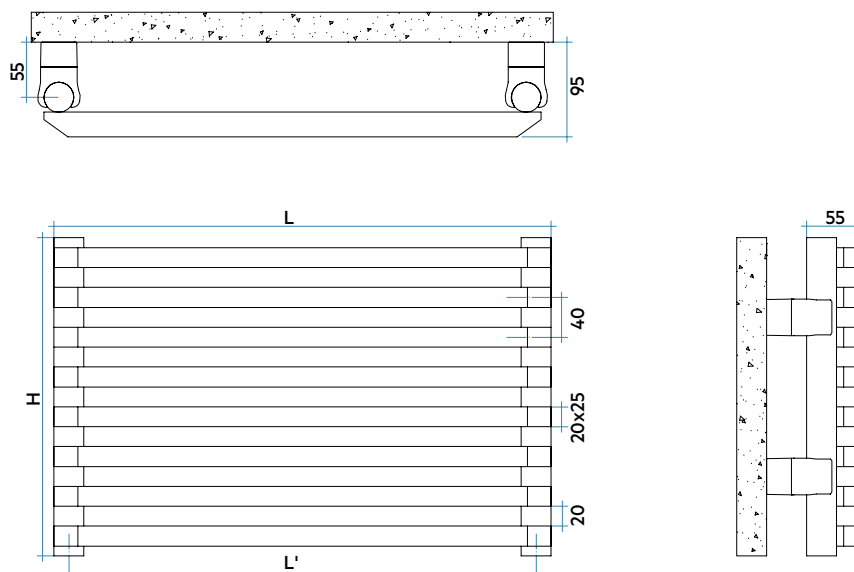
Number of elements:

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

Key Codes

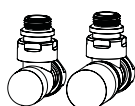




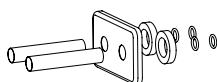
COMPLETE BATTERY DATA

		LENGHT (L)													
(H)			500	530	630	650	680	730	830	850	900	1200	1500	1800	2000
Height mm	160														
yy = N° elem.	4	W	104	110	131	135	142	152	173	177	187	250	312	375	416
Height mm	240														
yy = N° elem.	6	W	156	166	197	203	213	228	260	266	282	375	469	563	626
Height mm	320														
yy = N° elem.	8	W	208	221	262	270	283	304	345	354	374	499	624	749	832
Height mm	400														
yy = N° elem.	10	W	259	274	326	336	352	378	430	440	466	621	776	932	1035
Height mm	480														
yy = N° elem.	12	W	309	327	389	401	420	451	512	525	556	741	926	1111	1235
Height mm	560														
yy = N° elem.	14	W	358	379	451	465	486	522	594	608	644	858	1073	1287	1430
Height mm	640														
yy = N° elem.	16	W	406	430	511	527	551	592	673	689	730	973	1217	1460	1622
Height mm	720														
yy = N° elem.	18	W	452	479	570	588	615	660	751	769	814	1086	1357	1628	1809
Height mm	800														
yy = N° elem.	20	W	498	528	628	648	678	727	827	847	897	1196	1495	1794	1993
Height mm	880														
yy = N° elem.	22	W	543	576	684	706	739	793	901	923	977	1303	1629	1955	2172
Height mm	960														
yy = N° elem.	24	W	587	622	739	763	798	857	974	998	1056	1408	1761	2113	2347
Height mm	1040														
yy = N° elem.	26	W	630	667	793	818	856	919	1045	1070	1133	1511	1889	2267	2518
Height mm	1120														
yy = N° elem.	28	W	671	712	846	873	913	980	1115	1141	1209	1611	2014	2417	2686
Height mm	1200														
yy = N° elem.	30	W	712	755	897	926	969	1040	1182	1211	1282	1709	2136	2564	2849
Height mm	1280														
yy = N° elem.	32	W	752	797	947	977	1023	1098	1248	1278	1353	1805	2256	2707	3008
Height mm	1360														
yy = N° elem.	34	W	791	838	996	1028	1075	1154	1312	1344	1423	1898	2372	2846	3163
Height mm	1440														
yy = N° elem.	36	W	828	878	1044	1077	1127	1210	1375	1408	1491	1988	2485	2982	
Height mm	1520														
yy = N° elem.	38	W	865	917	1090	1125	1177	1263	1436	1471	1557	2077	2596	3115	
Height mm	1600														
yy = N° elem.	40	W	901	955	1135	1171	1225	1316	1496	1532	1622	2163	2703		

Decorative & Technical Accessories



Kit Valves and
Lockshield valve
Pag. 562



Pipe cover kit
Pag. 566

