



**SAX HORIZONTAL**

18 elements, height 720 mm, length 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	<b>SX1 0500 YY 01 IR 01 H</b>	55	500	470	0,47	0,24
530	<b>SX1 0530 YY 01 IR 01 H</b>	55	530	500	0,49	0,25
630	<b>SX1 0630 YY 01 IR 01 H</b>	55	630	600	0,56	0,29
650	<b>SX1 0650 YY 01 IR 01 H</b>	55	650	620	0,57	0,30
680	<b>SX1 0680 YY 01 IR 01 H</b>	55	680	650	0,59	0,32
730	<b>SX1 0730 YY 01 IR 01 H</b>	55	730	700	0,63	0,34
830	<b>SX1 0830 YY 01 IR 01 H</b>	55	830	800	0,70	0,38
850	<b>SX1 0850 YY 01 IR 01 H</b>	55	850	820	0,71	0,38
900	<b>SX1 0900 YY 01 IR 01 H</b>	55	900	870	0,75	0,40
1200	<b>SX1 1200 YY 01 IR 01 H</b>	55	1200	1170	0,96	0,53
1500	<b>SX1 1500 YY 01 IR 01 H</b>	55	1500	1470	1,17	0,65
1800	<b>SX1 1800 YY 01 IR 01 H</b>	55	1800	1770	1,38	0,77
2000	<b>SX1 2000 YY 01 IR 01 H</b>	55	2000	1970	1,52	0,85

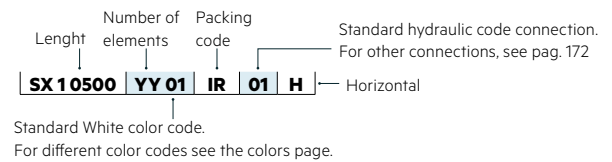
### Price included:



### 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



### SAX Horizontal: Power in Watt for linear metre

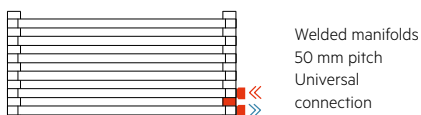
N. el.	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
Btu/h a Δt= 50°C	710,8	1067,9	1420,6	1767,1	2107,8	2441,7	2768,8	3088,6	3401,7	3707,9	4007,0	4298,9	4584,3	4862,6	5134,0	5398,6	5656,7	5907,9	6152,7
Watt a Δt= 50°C	208,2	312,8	416,1	517,6	617,4	715,2	811,0	904,7	996,4	1086,1	1173,7	1259,2	1342,8	1424,3	1503,8	1581,3	1656,9	1730,5	1802,2
Watt a Δt= 40°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 Δt= 30°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 Δt= 20°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



#### 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):  $H' = 40 \times (n - 1)$ .

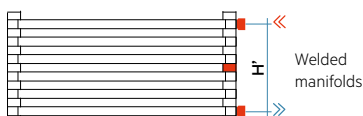
**Side Connections (Cod. M82, M88):** for side water connections insert an internal flow diverter to the bottom manifold

**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)

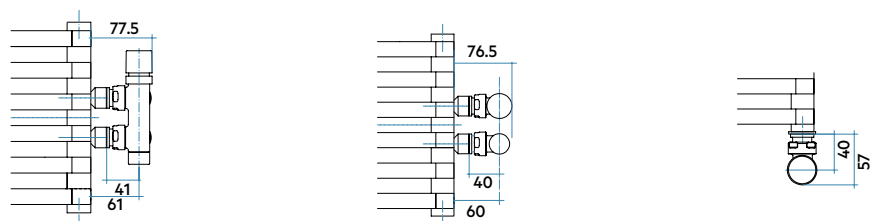
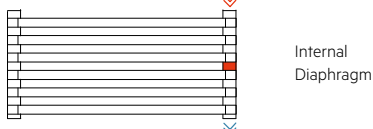
**For other connections see page 172**

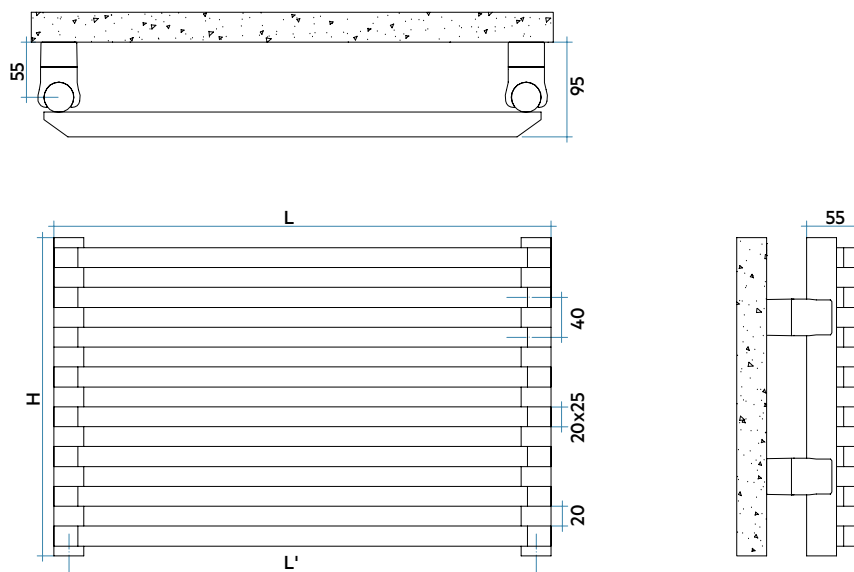
#### Cod. 82



### Connection dimensions with IRSAP valves

#### Cod. 80

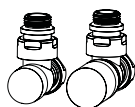




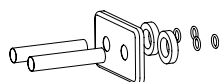
### COMPLETE BATTERY DATA

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

