PIANO VERTICAL
12 elements, height 1820 mm, lenght 680 mm. Ivory finish (cod. 02). Configuration cod. 80.

Technical features:

- manifolds with a 30 mm diameter circular section
- tubes made of sheet steel with a 50x10 mm rectangular section
- manifold threading 1/2" Gas right
- maximum working pressure 4 bar
- maximum working temperature 95°C

Price included:

Wall fixing systems with screws and anchors

1/2" Blind plug

Piper cover kit

1/2" Air vent

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

Finishing codes see page 596.

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 PIANO Vertical 1820 high and 9 elements wide = the price of a PIANO Vertical 1820 high and 10 elements wide

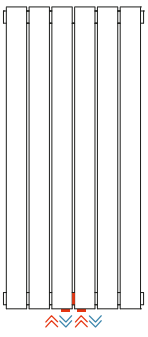
CE 08 EN442-1 EN 442 EURONORM

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	**PI1 0520 YY 01 A4 01 A**	38	520	470	0,64	0,25	116,3	**34,1**	25,6	**17,7**	10,6	1,280
700	**PI1 0700 YY 01 A4 01 A**	38	700	650	0,82	0,31	152,7	**44,8**	33,5	**23,1**	13,7	1,295
920	**PI1 0920 YY 01 A4 01 A**	38	920	870	1,04	0,39	195,3	**57,2**	42,7	**29,2**	17,2	1,314
1220	**PI1 1220 YY 01 A4 01 A**	38	1220	1170	1,39	0,48	255,9	**75,0**	56,0	**38,4**	22,6	1,310
1520	**PI1 1520 YY 01 A4 01 A**	38	1520	1470	1,64	0,60	315,3	**92,4**	69,0	**47,4**	27,9	1,306
1820	**PI1 1820 YY 01 A4 01 A**	38	1820	1770	1,94	0,70	375,0	**109,9**	82,2	**56,5**	33,3	1,302
2020	**PI1 2020 YY 01 A4 01 A**	38	2020	1970	2,14	0,77	415,0	**121,6**	91,0	**62,6**	37,0	1,300
2220	**PI1 2220 YY 01 A4 01 A**	38	2220	2170	2,39	0,83	455,3	**133,4**	99,9	**68,8**	40,7	1,297
2520	**PI1 2520 YY 01 A4 01 A**	38	2520	2470	2,64	0,94	516,4	**151,3**	113,4	**78,2**	46,3	1,293

(*) Thanks to the high performance of Irsap PIANO Vertical radiators, the ideal Δt for low temperature projects is Δt at 30°C.
For Δt different from 50°C use the formula: $Q=Qn\ (\Delta t / 50)^n$

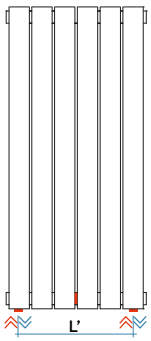
Special Options

Cod. 84



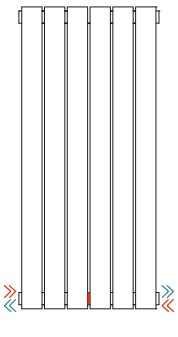
Welded manifolds
50 mm pitch
Universal connection

Cod. 82



Welded manifolds

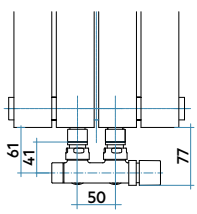
Cod. 80

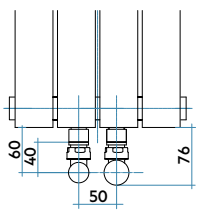


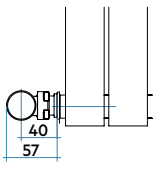
Internal Diaphragm

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 - 1 multiplied by 56 (element pitch): L' = 56 x (n° of elements -1).
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

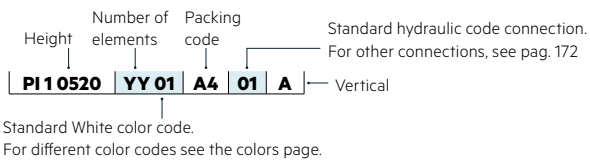
Connection dimensions with IRSAP valves

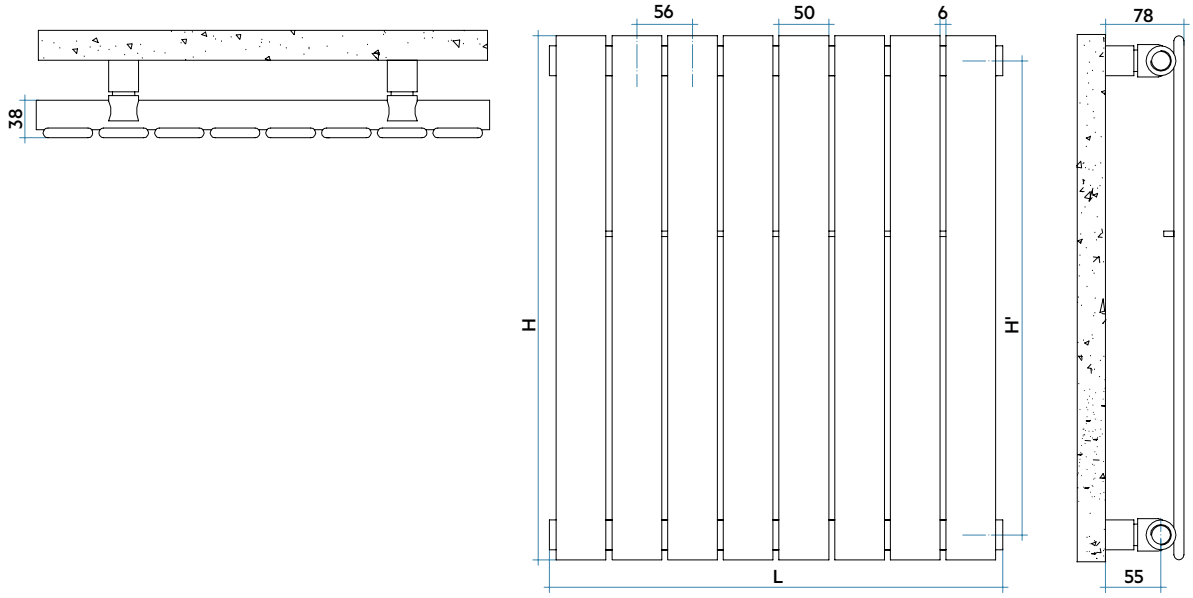






Key Codes

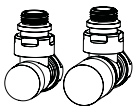




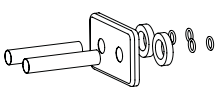
COMPLETE BATTERY DATA

(L)			HEIGHT (H) 520	700	920	1220	1520	1820	2020	2220	2520
Lenght mm	**232**	W	136	179	229	300	370	440	487	534	605
yy = N° elem.	*4*										
Lenght mm	**344**	W	205	269	343	450	554	659	730	801	908
yy = N° elem.	*6*										
Lenght mm	**456**	W	273	358	458	600	739	879	973	1068	1211
yy = N° elem.	*8*										
Lenght mm	**568**	W	341	448	572	750	924	1099	1216	1335	1514
yy = N° elem.	*10*										
Lenght mm	**680**	W	409	537	687	900	1109	1319	1460	1601	1816
yy = N° elem.	*12*										
Lenght mm	**792**	W	477	627	801	1050	1294	1539	1703	1868	2119
yy = N° elem.	*14*										
Lenght mm	**904**	W	545	716	916	1200	1479	1758	1946	2135	2422
yy = N° elem.	*16*										
Lenght mm	**1016**	W	614	806	1030	1350	1663	1978	2189	2402	2724
yy = N° elem.	*18*										
Lenght mm	**1128**	W	682	895	1145	1500	1848	2198	2433	2669	3027
yy = N° elem.	*20*										
Lenght mm	**1240**	W	750	985	1259	1650	2033	2418	2676	2936	3330
yy = N° elem.	*22*										
Lenght mm	**1352**	W	818	1074	1374	1800	2218	2638	2919	3203	
yy = N° elem.	*24*										
Lenght mm	**1464**	W	886	1164	1488	1950	2403	2857	3162		
yy = N° elem.	*26*										
Lenght mm	**1576**	W	955	1253	1602	2100	2587	3077			
yy = N° elem.	*28*										
Lenght mm	**1688**	W	1023	1343	1717	2250	2772	3297			
yy = N° elem.	*30*										

Decorative & Technical Accessories



Kit Valves and Lockshield valve
Pag. 562



Pipe cover kit
Pag. 566