

# INFRA AQUA ECO

Water-supplied steel  
radiation panel

Steel radiation panel, available in 4,  
5 or 6 metres as standard.

For more information,  
downloads and  
videos, visit the Infra  
Aqua Eco page on our  
website



## Economic heating and cooling using a lightweight panel



The INFRA AQUA ECO is a water-supplied radiation panel, fitted with a glass wool insulation blanket as standard. This insulation blanket prevents heat from being radiated upwards.

This appliance offers the option of heating without displacing air. In addition, heat reaches only the location where it is required. The short warming-up period and the lower room temperature can yield good energy savings.

The INFRA AQUA ECO has a very wide area of application in both utility and industrial buildings.

The panels are delivered in standard lengths of 4, 5 or 6 metres. The panels may also be suspended in parallel with standard widths varying between 305 - 1.300 mm.

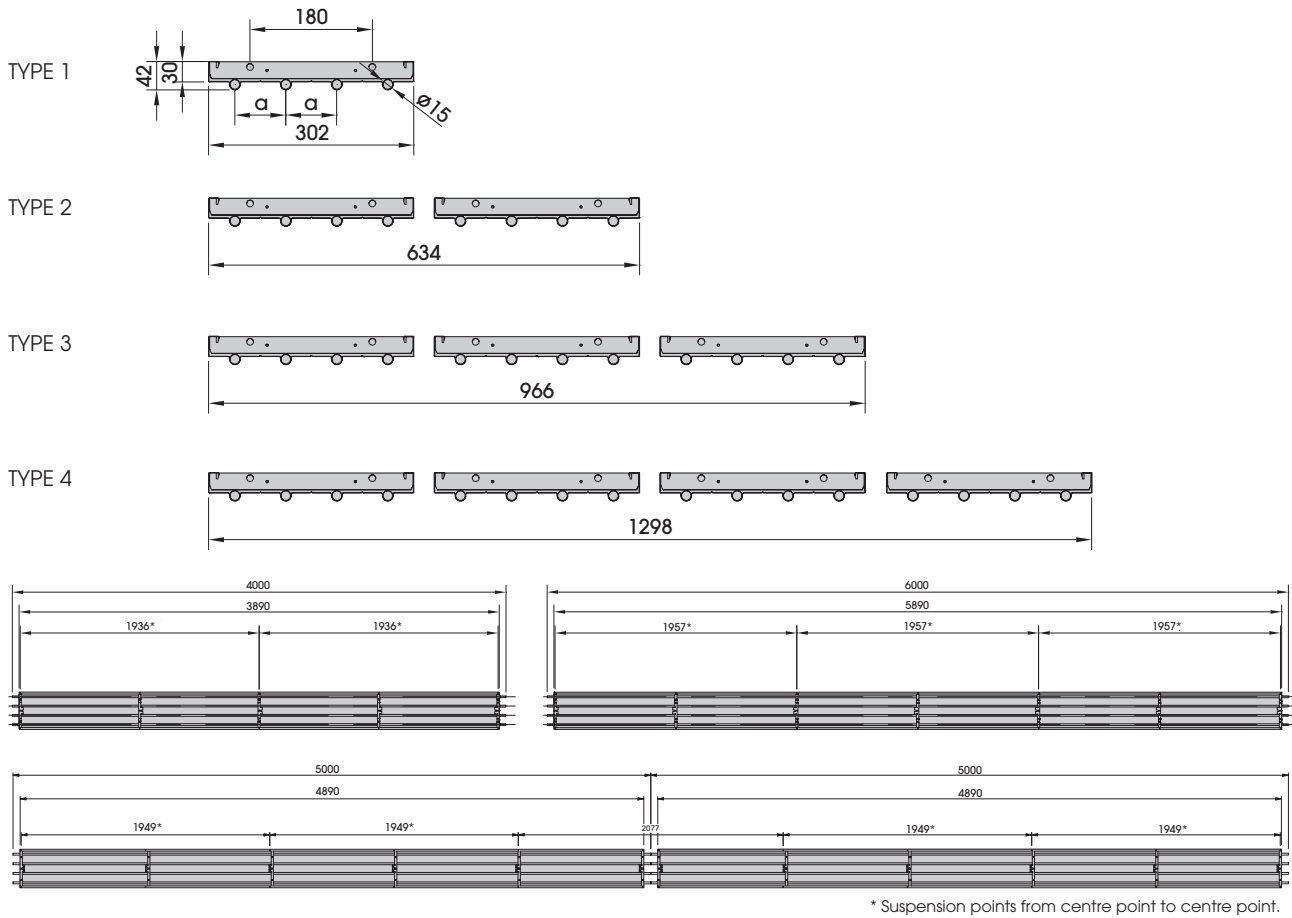
The panel is supplied in white RAL 9010 as standard. Other RAL colours are available on request.

### Product features

- Simple installation / suspension
- Low weight per metre
- High heat emission
- Galvanized finish for collectors and registers (optional)
- Linking of panels by means of press couplings
- Measured and approved in accordance with EN 14037 1-3
- Ball-resistant in accordance with DIN 18032, category D1



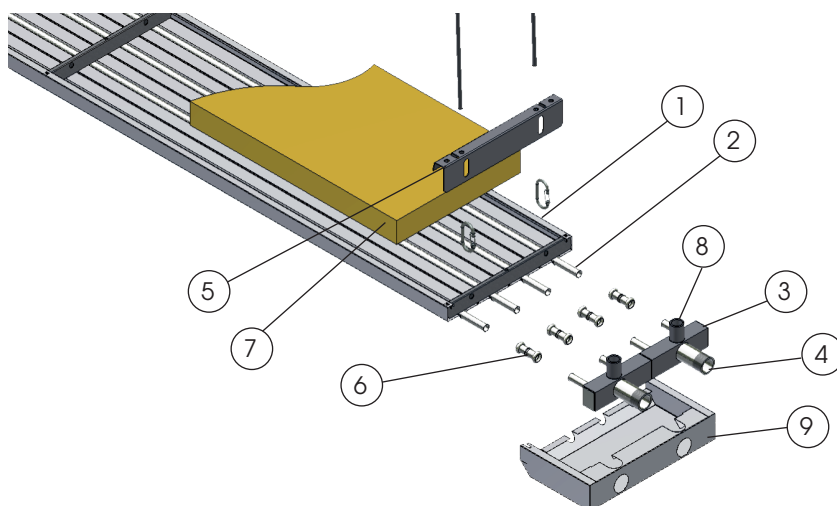
## Dimensions



INFRA AQUA ECO		Type 1	Type 2	Type 3	Type 4
Tube distance (a)	mm	75	75	75	75
Outside diameter of tube	mm	15	15	15	15
Number of suspension points per axis		2	2	2	2
Operating weight with water content and insulation (4 m)	kg	14,3	28,6	43,0	57,7
Operating weight with water content and insulation (5 m)	kg	17,9	23,8	53,6	71,7
Operating weight with water content and insulation (6 m)	kg	21,4	42,8	64,2	85,6

Max. operating temperature: 120°C. Max. operating pressure: 10 bar

## Technical information



- 1 = Reflector
- 2 = Water tube
- 3 = Collector
- 4 = Water connection 1"
- 5 = Suspension set (profile and carabiners)
- 6 = Press-fittings (optional)
- 7 = Insulating material (supplied separately)
- 8 = De-aerater connection 1/2"
- (air point not supplied by Mark)
- 9 = Cover plate (supplied separately)



Heat delivery table for panels in W/m  
in accordance with EN 14037 1-3

Medium overtemp K	Type 1	Type 2	Type 3	Type 4
115	476	952	1428	1904
110	451	903	1354	1806
105	427	855	1282	1709
100	403	807	1210	1613
95	380	759	1139	1518
90	356	712	1068	1424
85	333	666	998	1331
80	310	619	929	1239
75	287	574	861	1148
70	264	529	793	1058
69	260	520	780	1040
68	256	511	767	1022
67	251	502	753	1004
66	247	493	740	987
65	242	485	727	969
64	238	476	714	951
63	233	467	700	934
62	229	458	687	916
61	225	449	674	899
60	220	441	661	881
59	216	432	648	864
58	212	423	635	847
57	207	415	622	830
56	203	406	609	812
55	199	398	596	795
54	195	389	584	778
53	190	381	571	761
52	186	372	558	744
51	182	364	545	727
50	178	355	533	710
49	173	347	520	694
48	169	338	508	677
47	165	330	495	660
46	161	322	483	644
45	157	314	470	627
44	153	305	458	611
43	149	297	446	594
42	144	289	433	578
41	140	281	421	562
40	136	273	409	546
39	132	265	397	529
38	128	257	385	513
37	124	249	373	497
36	120	241	361	482
35	116	233	349	466
30	97	194	291	388
25	78	156	235	313
20	60	120	180	240
15	43	85	128	171

Heat delivery table per 2 distributors in W/unit  
in accordance with EN 14037 1-3

Medium overtemp K	Type 1	Type 2	Type 3	Type 4
115	165	330	494	659
110	156	312	468	624
105	147	295	442	590
100	139	278	417	556
95	131	261	392	522
90	122	244	367	489
85	114	228	342	456
80	106	212	318	423
75	98	196	293	391
70	90	180	270	360
69	88	177	265	353
68	87	174	260	347
67	85	170	256	341
66	84	167	251	335
65	82	164	246	329
64	81	161	242	322
63	79	158	237	316
62	78	155	233	310
61	76	152	228	304
60	74	149	223	298
59	73	146	219	292
58	71	143	214	286
57	70	140	210	280
56	68	137	205	274
55	67	134	201	268
54	66	131	197	262
53	64	128	192	256
52	63	125	188	250
51	61	122	183	244
50	60	119	179	239
49	58	116	175	233
48	57	113	170	227
47	55	111	166	221
46	54	108	162	215
45	52	105	157	210
44	51	102	153	204
43	50	99	149	198
42	48	96	145	193
41	47	94	140	187
40	45	91	136	182
39	44	88	132	176
38	43	85	128	171
37	41	83	124	165
36	40	80	120	160
35	39	77	116	154
30	32	64	96	128
25	26	51	77	102
20	19	39	58	78
15	14	27	41	55

Relation between minimum mass flow and return temperature

