

## 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.

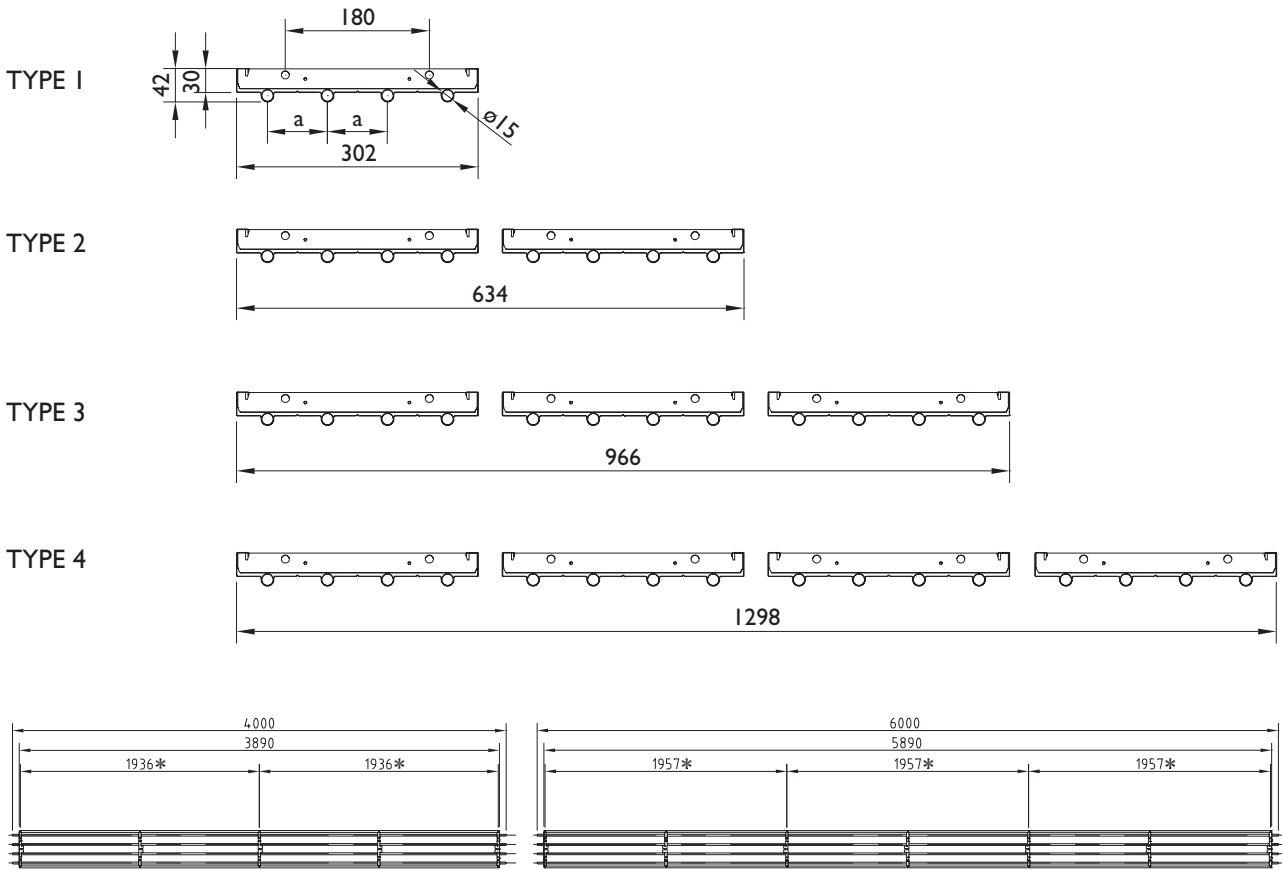
The panels are delivered in standard lengths of 4 or 6 metres. The panels may also be suspended in parallel with standard widths varying between 302 - 1.298 mm.

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

### Features

- Simple installation / suspension
- Low weight per metre.
- High heat emission
- Galvanised finish for collectors and registers (optional)
- linking of panels by means of press couplings
- Measured and approved in accordance with EN 14037 1-3.
- Pitching resistant

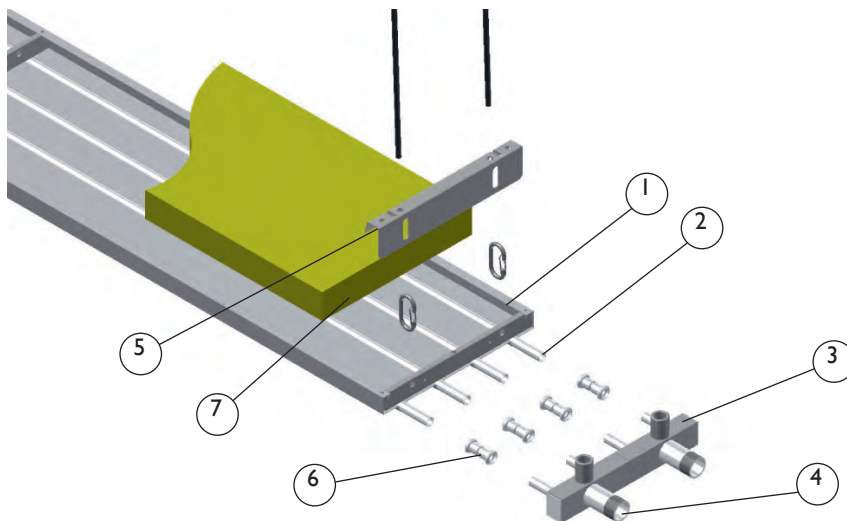
# Dimensions



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
Installation width of basic element	mm	302	634	966	1298
Number of suspension points per axis	Pieces	2	2	2	2
Operating weight with water content and insulation (4 m)	kg	12,4	24,8	37,2	50
Operating weight with water content and insulation (6 m)	kg	18,5	37	55,5	74

max. operating temperature: 120°C max. operating pressure: 8 bar  
 \* Suspension points from centre point to centre point.

# Technical information



- 1 = Reflector
- 2 = Water-carrying tube
- 3 = Distributor
- 4 = 1" connection, water side
- 5 = Suspension set
- 6 = Press couplings
- 7 = Insulating material (supplied separately)

Medium over temp					Medium over temp				
K	Type 1	Type 2	Type 3	Type 4	K	Type 1	Type 2	Type 3	Type 4
115	476	952	1428	1904	115	165	330	494	659
110	451	903	1354	1806	110	156	312	468	624
105	427	855	1282	1709	105	147	295	442	590
100	403	807	1210	1613	100	139	278	417	556
95	380	759	1139	1518	95	131	261	392	522
90	356	712	1068	1424	90	122	244	367	489
85	333	666	998	1331	85	114	228	342	456
80	310	619	929	1239	80	106	212	318	423
75	287	574	861	1148	75	98	196	293	391
70	264	529	793	1058	70	90	180	270	360
69	260	520	780	1040	69	88	177	265	353
68	256	511	767	1022	68	87	174	260	347
67	251	502	753	1004	67	85	170	256	341
66	247	493	740	987	66	84	167	251	335
65	242	485	727	969	65	82	164	246	329
64	238	476	714	951	64	81	161	242	322
63	233	467	700	934	63	79	158	237	316
62	229	458	687	916	62	78	155	233	310
61	225	449	674	899	61	76	152	228	304
60	220	441	661	881	60	74	149	223	298
59	216	432	648	864	59	73	146	219	292
58	212	423	635	847	58	71	143	214	286
57	207	415	622	830	57	70	140	210	280
56	203	406	609	812	56	68	137	205	274
55	199	398	596	795	55	67	134	201	268
54	195	389	584	778	54	66	131	197	262
53	190	381	571	761	53	64	128	192	256
52	186	372	558	744	52	63	125	188	250
51	182	364	545	727	51	61	122	183	244
50	178	355	533	710	50	60	119	179	239
49	173	347	520	694	49	58	116	175	233
48	169	338	508	677	48	57	113	170	227
47	165	330	495	660	47	55	111	166	221
46	161	322	483	644	46	54	108	162	215
45	157	314	470	627	45	52	105	157	210
44	153	305	458	611	44	51	102	153	204
43	149	297	446	594	43	50	99	149	198
42	144	289	433	578	42	48	96	145	193
41	140	281	421	562	41	47	94	140	187
40	136	273	409	546	40	45	91	136	182
39	132	265	397	529	39	44	88	132	176
38	128	257	385	513	38	43	85	128	171
37	124	249	373	497	37	41	83	124	165
36	120	241	361	482	36	40	80	120	160
35	116	233	349	466	35	39	77	116	154
30	97	194	291	388	30	32	64	96	128
25	78	156	235	313	25	26	51	77	102
20	60	120	180	240	20	19	39	58	78
15	43	85	128	171	15	14	27	41	55

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

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

**Relation between minimum mass flow and return temperature**

