V5 STEEL PANELS

Central Heating
NEW ZEALAND

DL RADIATORS

V5 STEEL PANELS

The V5 range
V5 Steel Panels are available in 3 models:
Type 11,
Type 21,
Type 22,
Heights: from 400 to 900 mm
Lenght: from 400 to 2300 mm high.

Quality
During the many years of production experience, the moulding, welding, assembly and thanks to the high quality standards and the implementation of automated control systems, DL Radiators is able to guarantee V5 steel panels for 15 years.

Packaging
DL Radiators steel panels are packed with plastic corner protection and tough cardboard strips to protect the edges from knocks during transport, then finished with heat shrink tape to protect from damp.

Painting
The top quality painted finish of DL Radiators steel panels is achieved by an industrial process originating in the automotive sector to give each element a glossy long-lasting colour. Steel panels radiators are painted using a three-phase system:
- hot degreasing and basic hot iron phosphatisation;
- electrophoretic dip coating to apply the base colour evenly in the innermost and outermost parts of the panel, followed by baking at 185 °C;
- epoxy powder coating and baking at 170 °C to give the panel a bright glossy finish.
The colour is DL Radiators's characteristic RAL 9016 white.

Technical characteristics
- Working pressure 10 bar
- Test pressure 13 bar
- Maximum operating temperature 110° C

Standard equipment
- bottom connector 50mm tappings centre, 3/4" outside thread
- 3 x 1/2" connections, inside thread;
- 2 x 1/2" blind caps provided, to be mounted
- 1 x 1/2" vent plug provided, to be mounted
- top grid
- side covers
- F7 brackets for type 21 and 22, no welded rear supports
- GB brackets for type 11
Welded rear supports

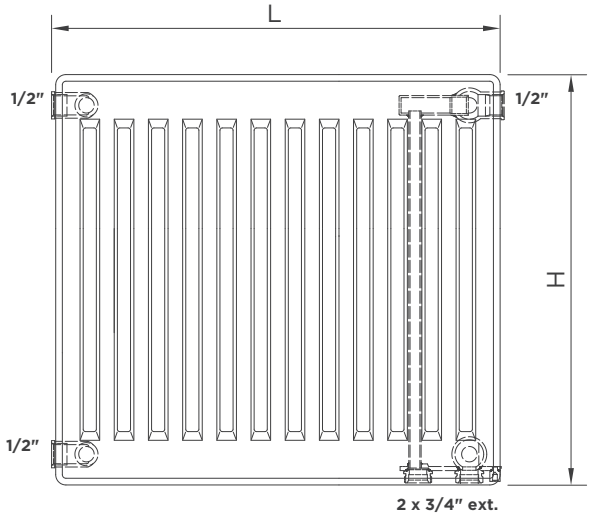
Reversibility
The V5 Models 21 and 22 are symmetric so the steel panel is reversible at 180° and can be installed with the left side valve. These types have no welded back supports and can therefore be mounted with the F7 quick-fit brackets provided.

Connection
- V5 Panels can be connected to either a one-pipe with a 50mm tappings centre distributor, or two-pipe installation. See connection options.
- For connection to both two-pipe and one-pipe installations, a distributor is required and must be specifically ordered.

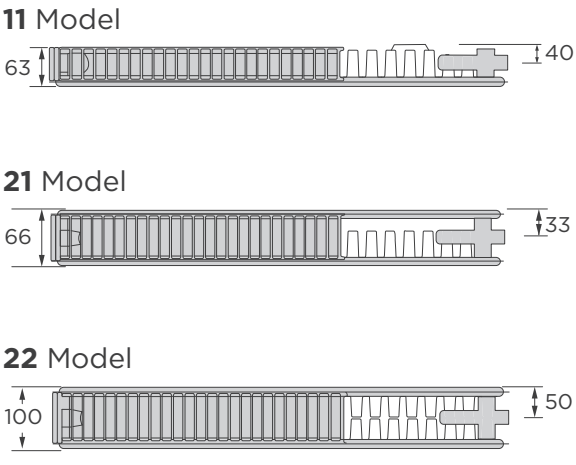
Safety
The side panels with central connection are fastened with screws, safer than the interlocking system adopted on other panel radiators; both sides have two openings for the connections.

Optional accessories
- Thermostatic insert
- Thermostatic head
- Distributor

Front view



Top view



25
Years of warranty

Low temperature cost-effectiveness

Low consumption

Reversible at 180°
type 21 and 22

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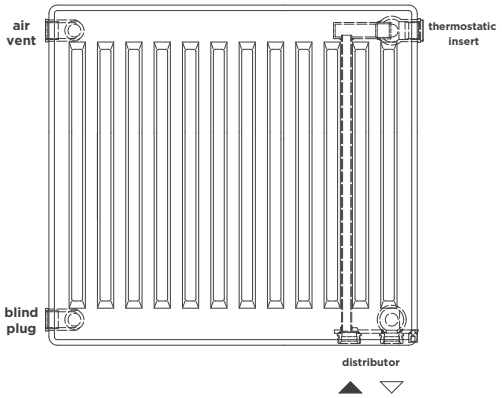
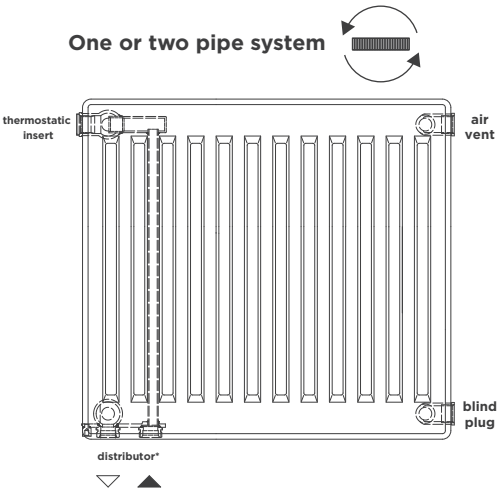
CONNECTION OPTIONS

One or two pipe system



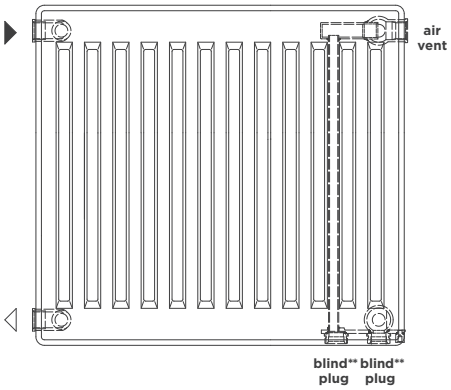
One or two pipe system



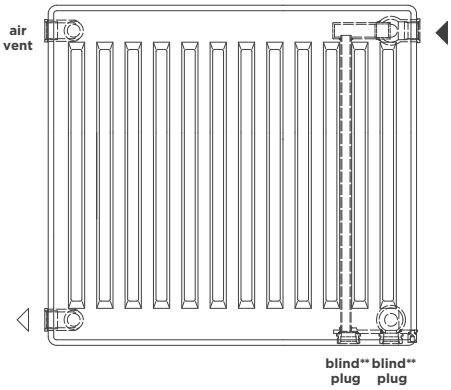
*Flow bottom right - Return bottom left.

Flow
Return

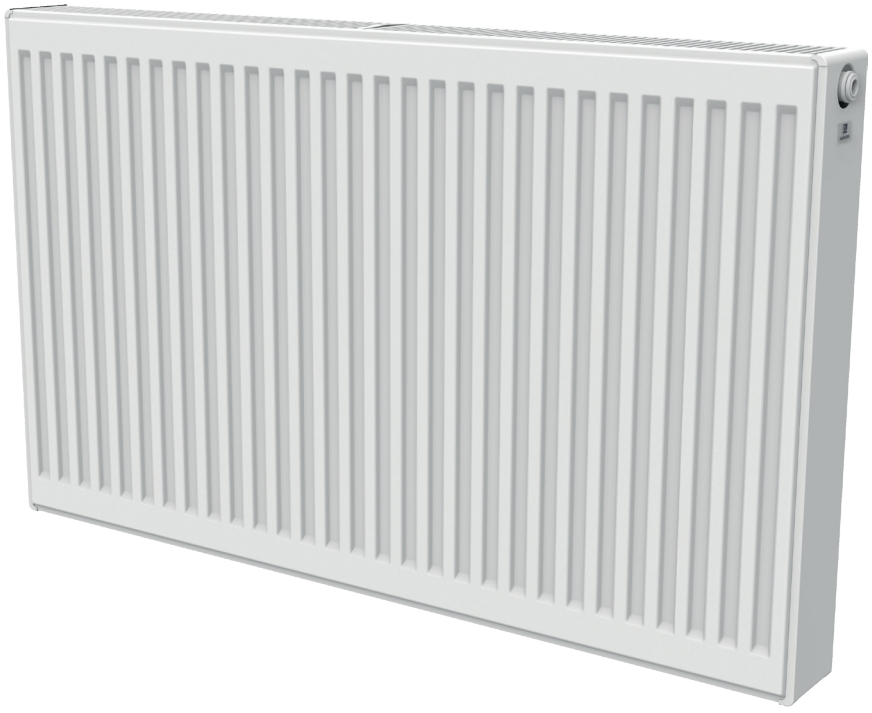
Two pipe system



Two pipe system



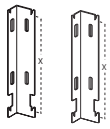
**Plastic pre-mounted caps must be removed and replaced with metallic 3/4 caps not supplied.



V5 STEEL PANELS

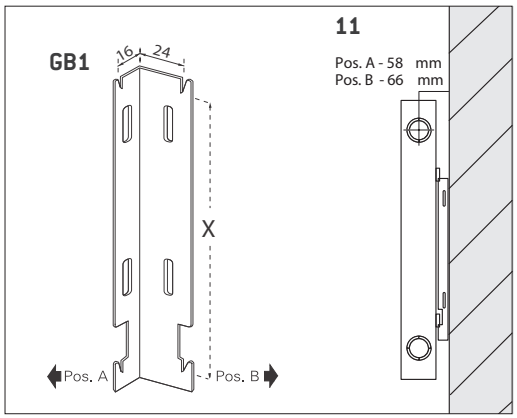
Type	Height H (mm)	Length L (mm)	Code	EAN	Output Δt 50 °C W	Output Δt 42,5°C W	Output Δt 30°C W	Exp. n
11	400	1000	0181114830	8029482798801	707	574	371	1,264
11	400	1200	0181114836	8029482798818	849	689	445	1,264
11	400	1400	0181114842	8029482798825	991	804	519	1,264
11	600	400	0181116812	8029482798856	391	318	204	1,276
11	600	600	0181116818	8029482798863	586	477	305	1,276
11	600	800	0181116824	8029482798870	782	635	407	1,276
11	600	1000	0181116830	8029482798832	977	794	509	1,276
11	600	1200	0181116836	8029482798849	1173	953	611	1,276
21	300	400	0181343812	8029482798887	312	253	162	1,275
21	400	600	0181344818	8029482798917	579	470	300	1,275
21	400	800	0181344824	8029482798924	773	627	401	1,275
21	400	1000	0181344830	8029482798894	966	784	500	1,275
21	400	1200	0181344836	8029482798900	1160	941	601	1,275
21	600	400	0181346812	8029482798962	530	429	272	1,275
21	600	600	0181346818	8029482798979	795	643	408	1,275
21	600	800	0181346824	8029482798986	1061	858	544	1,275
21	600	1000	0181346830	8029482798931	1325	1072	679	1,275
21	600	1200	0181346836	8029482798948	1590	1286	815	1,275
21	600	1600	0181346848	8029482798955	2120	1715	1087	1,275
22	300	1000	0181223830	8029482057977	998	809	514	1,297
22	300	1200	0181223836	8029482057991	1197	971	617	1,297
22	300	1400	0181223842	8029482058004	1397	1133	720	1,297
22	300	1600	0181223848	8029482058011	1596	1294	822	1,297
22	300	1800	0181223854	8029482058028	1796	1456	925	1,297
22	400	1000	0181224830	8029482058615	1245	1008	640	1,302
22	400	1200	0181224836	8029482058639	1494	1210	768	1,302
22	400	1400	0181224842	8029482058646	1743	1412	896	1,302
22	400	1600	0181224848	8029482058653	1992	1614	1024	1,302
22	400	1800	0181224854	8029482058660	2241	1815	1152	1,302
22	400	2000	0181224860	8029482058677	2490	2017	1280	1,302
22	400	2300	0181224869	8029482058684	2864	2319	1472	1,302
22	600	400	0181226812	8029482059834	688	556	352	1,312
22	600	600	0181226818	8029482059858	1032	834	528	1,312
22	600	800	0181226824	8029482059872	1376	1112	704	1,312
22	600	1000	0181226830	8029482059896	1720	1390	880	1,312
22	600	1200	0181226836	8029482059919	2064	1668	1056	1,312
22	600	1400	0181226842	8029482059926	2408	1946	1232	1,312
22	600	1600	0181226848	8029482059933	2752	2223	1408	1,312
22	600	1800	0181226854	8029482059940	3096	2501	1584	1,312
22	600	2000	0181226860	8029482059957	3440	2779	1760	1,312
22	600	2300	0181226869	8029482059964	3956	3196	2024	1,312
22	900	400	0181229812	8029482061110	968	778	490	1,334
22	900	600	0181229818	8029482061134	1452	1168	734	1,334
22	900	800	0181229824	8029482061158	1936	1557	979	1,334

Fixing (Standard equipment)

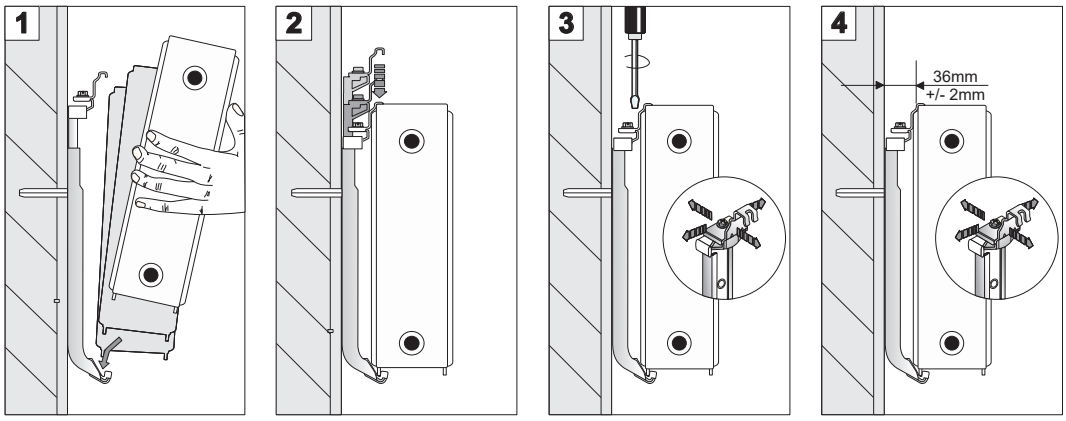
	11	21	22
GB 	5580080600 H 400 5580080800 H 600	-	-
F7	-	5580114500 + 5580115300 H 300 5580107100 H 400 5580107300 H 600	5580114500 + 5580115300 H 300 5580107100 H 400 5580107300 H 600 5580107400 H 900

Type 21 and 22 H.300 < 1600mm => 2pcs 5580114500 + 1pcs 5580115300
Type 21 and 22 H.300 > 1600mm => 3pcs 5580114500 + 2pcs 5580115300
All the steel panels L > 1600mm, needs 3 fixing support.

GB

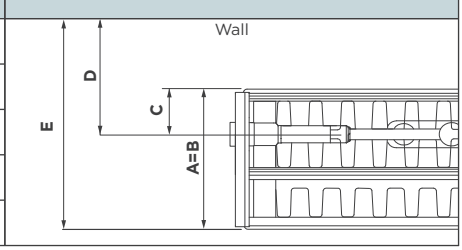


F7



Dimensional sizes

		Dimensions mm		
		11	21	22
Panel depth excluding back supports	A	63	66	100
Total depth - from the back of the support to the front panel**	B	-	66	100
Distance from the back support to the connection	C	40	33	50
Distance from wall to the centre of the connection (mounting the radiators on correct brackets: F7 for models 21, 22 ; GB for model 11)*	D	56/64	73	80
Total distance from the wall to the front panel (mounting the radiators on correct brackets: F7 for models 21, 22 ; GB for model 11)*	E	91/99	96	130

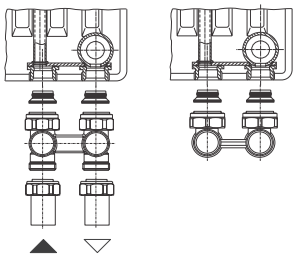


* The total distance varies according to whether the GB bracket is mounted in position A or position B (choice of depth)
** Calculating the total size of the panel (from the wall to the front panel) with the chosen wall brackets: the useful length of the chosen bracket must be added to this measurement

Accessories (Optional)

	11 -21 - 22
	5580138600 Thermostatic insert (Closing torque: 30Nm)
	5580104900 Thermostatic head (M23,5X1,5)
	Distributor

Two-pipe connection

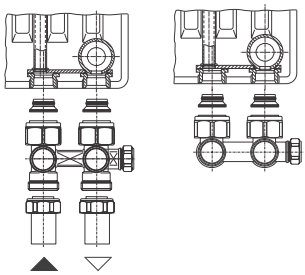


Panels with a 50mm tappings centre distributor can be connected to a two-pipe installation using a straight or square distributor. Our range of distributors are provided with Eurocone insert for connection to the 3/4" externally threaded connections.
The nozzle on the distributors provided for draining the radiator can be connected to the draining device.

Distributors Two Pipe

Code	Description
5580013600	H distributor straight - TWO PIPE
5580013700	H distributor curved - TWO PIPE
5580103500	H distributor straight (fit for drainoff) -TWO PIPE
5580103600	H distributor curved (fit for drainoff) -TWO PIPE

One-pipe connection



Panels with a 50mm tappings centre distributor can be connected to a one-pipe installation using a straight or square distributor. Our range of distributors are provided with Eurocone insert for connection to the 3/4" externally threaded connections.
On the distributor side the by-pass must be regulated to define the water flow entering the radiator and the flow bypassing it to continue in the circuit. Place the thermostatic insert in the N position (fully open) then adjust the number of turns of the bypass.

Distributors One Pipe

Code	Description
5580008200	H distributor straight - ONE PIPE
5580008300	H distributor curved - ONE PIPE