

Product Guide 2022

- Purmo Bench Radiator
- Ecostyle CV, RCV, PCV Panel Radiators
- Designer Tube and Towel Bar Radiators
- Radiator Valves and Fittings
- Whispa Kick Space Heaters
- Intelligent Fan Convectors

www.purmoUSA.com www.ecostyle.us 800-501-7697

Leader in sustainable indoor climate comfort solutions

Quality and reliability is what has made Purmo into one of the most trusted names in heating products. Whether they are Purmo's tubular radiators or Ecostyle radiant panels, all are engineered and manufactured to the highest standards.

Purmo Group is Europe's leader in sustainable indoor climate comfort. Their comprehensive product offering includes steel radiators, towel warmers, under floor heating components, convectors, valves and controls. Purmo Group manufactures and distributes products to customers in over 100 countries.

In North America, Purmo Group's products are distributed by QHT, located in Portsmouth, NH. QHT's wholesale distributors are spread across the USA and Canada. QHT provides product application support, specialized packaging and after-sales service through local networks of plumbing and heating professionals.

If you have any questions or suggestions, please call QHT at 800-501-7697.

TABLE OF C	ONTENTS
Purmo Bench Radiator	Accessories
	RADIATOR VALVES, FITTINGS, ACCESSORIES12
PURMO BENCH RADIATOR1	PIPING SCHEMATIC WITH FITTING GUIDE
	CONNECTION METHODS14
Ecostyle Panel Radiators	CORRECTION FACTORS15
ECOSTYLE CV2-5	Intelligent Fan Convectors
ECOSTYLE PCV6	KICKSPACE 16,17
ECOSTYLE RCV7	VIDO18-21
Designer Tube Radiators	Warranty
KONTEC8,9	FAN CONVECTORS22
Ecostyle Towel Bars	ECOSTYLE/PURMO RADIATORS23
ECOSTYLE Towel Bars10, 11	



PURMO BENCH RADIATOR

Looking to add an individual, stylish feature to your room? The Purmo Bench Radiator has turned the humble column radiator into a focal point and created a selection of new interior design possibilities for you.

The scale and detailing of the Purmo Bench combine to give symmetry and elegance. Each unit is manufactured using the latest unique laser welding technology to create a radiator range of the highest quality, with a paint finish that is second to none. There is a color and size configuration to suit every situation whether for domestic or commercial uses.

DELTA BENCH - Tube a Radiators												
Product Code	Height (inch)	Length (inch)	Width (inch)	# Of Columns	Output (BTU/HR) @ 180°F x 68°F**	Output (BTU/HR) @ 140°F x 68°F**	Weight (Ibs)	Water Content (gal)				
DBH6150200	15.4″				6,420	3,590	83	9.9				
DBH6150250	17.25″	F0"			7,856	4,472	100	11.9				
*DBH6150300	19″	59			8,743	4,952	118	14.0				
DBH6150350	21″				9,963	5,644	134	16.0				
DBH6180200	15.4″				7,707	4,320	95	11.3				
DBH6180250	17.25″				9,464	5,379	115	13.7				
DBH6180300	19″	/1	0.5%			10,561	5,987	135	16.1			
DBH6180350	21″				12,090	6,826	155	18.5				
DBH6200200	15.4″				8,564	4,808	103	12.3				
DBH6200250	17.25″	70 75"		<u> </u>	10,539	5,984	125	14.9				
DBH6200300	19″	/8./5″	/8./5	/8./5	/8./5″	/8./5″	8.5	8.5" 6	11,773	6,678	149	17.5
DBH6200350	21″						13,518	7,614	169	20.2		
DBH6250200	15.4″				10,704	6,033	100	14.6				
DBH6250250	17.25″	00 5"			13,242	7,500	150	17.8				
DBH6250300	19″	98.5″			14,832	8,423	175	21.0				
DBH6250350	21″				17,139	9,599	202	24.3				
DBH6280200	15.4″				11,987	6,772	142	17.0				
DBH6280250	17.25″	110.05"			14,871	8,410	174	20.8				
DBH6280300	19″	110.25″			16,677	9,478	205	24.6				
DBH6280350	21″				19,340	10,795	238	28.4				

Note: Stock color is WHITE radiator with GREY stands.

DELTA BENCH - TOPS										
Product Code	Length (inch)	Width (inch)	Weight (Ibs)	Description						
*AZ13DZ836150	59"		52	Beachwood						
AZ13DZ836180	71"		59	Beachwood						
AZ13DZ836200	79"	8.5"	65	Beachwood						
AZ13DZ836250	99"		79	Beachwood						
AZ13DZ836280	110"		90	Beachwood						

Custom cut template is available for purchase to manufacture your own top

*In stock product. All others are custom order. Stock color is grey legs and white radiator. All other colors are custom order.

Water Connections Stock range: 2 x 1/2" BSP connections. Bench radiators include air vent, thermostatic valve, shutoff valve and non electric thermostatic head.

**outputs based on water supply temperatures @ 20°Δ T x 68°F room temperature All Bench Radiators: Test Pressure: 191 psi Max Operating Pressure: 147 psi





ECOSTYLE STEEL PANEL RADIATORS

The versatile Ecostyle panel radiators are available in different versions so that you can choose exactly the panel radiator that perfectly suits your needs and style. With a high class finished front appearance and concealed convector fins these radiators provide warmth and style to your home's heating system. Ecostyle panels are made of high quality steel and are suitable for use in closed hot water-based heating systems.





Ecostyle CV Steel Panel Radiator Type 21



PURMO 2



Technical Specifications

- Material : High quality, low carbon, cold rolled DC01 steel in accordance with PN-EN 10130
- Water channel spacing: 1.3 inches
- Connections: 2 $\frac{1}{2}$ " bottom and 4 $\frac{1}{2}$ " side connections
- Working pressure: 147 psi •Test Pressure: 191 psi
- Color: RAL 9016 white, other colors are available upon special request
- Package of clamp brackets are packed in radiator packaging
- Plugs, air vent and TRV insert are installed in radiator



Ecostyle PCV Steel Panel Radiator



Ecostyle RCV Steel Panel Radiator



Ecostyle CV Steel Panel Radiator

Horizontal Panels Type 21 6 Pipe Connection Panels (1/2" BSP Female)

Product Code	Height (inch)	Length (inch)	Output (BTU/HR) @ 180°F x 68°F**	Output (BTU/HR) @ 140°F x 68°F**	Weight (Ibs)	Water Content (gal)
ECS82421CV		24″	1,346	781	14	.40
ECS83621CV		36″	2,022	1,173	22	.60
ECS84821CV		48″	2,698	1,565	29	.80
ECS85621CV	8″	56″	3,147	1,825	34	.90
ECS87121CV		71″	4,046	2,347	43	1.2
ECS89221CV		92″	5,172	3,000	55	1.5
ECS812021CV		120″	6,742	3,910	77	2.0
ECS161621CV		16″	1743	984	17	0.5
ECS162421CV		24″	2617	1478	26	0.7
ECS163221CV		32″	3487	1968	34	1.0
ECS163621CV	16″	36″	3926	2216	35	1.1
ECS164021CV		40″	4361	2462	42	1.2
ECS164821CV		48″	5235	2955	50	1.4
ECS165621CV		56″	6104	3446	59	1.7
ECS201621CV		16″	2098	1177	21	0.6
ECS202421CV		24″	3152	1769	31	0.9
ECS203221CV		32″	4201	2357	43	1.2
ECS203621CV	20″	36″	4723	2651	44	1.3
ECS204021CV		40″	5250	2946	53	1.5
ECS204821CV		48″	6299	3535	63	1.7
ECS205621CV		56″	7348	4124	73	2.0
ECS241621CV		16″	2442	1362	26	0.7
ECS242421CV		24″	3662	2043	38	1.0
ECS243221CV		32″	4883	2724	51	1.4
ECS243621CV	24″	36″	5494	3064	52	1.6
ECS244021CV		40″	6104	3405	63	1.7
ECS244821CV		48″	7325	4086	76	2.1
ECS245621CV		56″	8546	4767	88	2.4

Vertical Panels Type 21

6 Pipe Connection Panels (1/2" BSP Female)

ECS771221CV		12″	3,903	2,340	61	1.9
ECS771821CV	77″	18″	5,848	3,509	91	2.9
ECS772421CV		24″	7,793	4,674	122	3.9

**outputs based on water supply temperatures @ 20°Δ T x 68°F room temperature All CV Radiators: Test Pressure: 191 psi - Max Operating Pressure: 147 psi

Vertical Type 21



NOTE: Vertical CV radiators can not use a internal thermostatic valve body.

С	12"	18"	24"
c1	3"	4"	6¾"
c2	2"	5"	7¾"

NOTE: Other sizes are available per request, please contact for more options.





Ecostyle CV TYPE 21

Standard Features

Internal thermostatic valve body

- •Contoured side panels and top grille
- •Adjustable mounting brackets
- •Installed: plugs and air vent

Actual Dimensions



Vertical Type 21





Ecostyle CV TYPE 22

Standard Features

Internal thermostatic valve body
Contoured side panels and top grille
Adjustable mounting brackets
Installed: plugs and air vent

Actual Dimensions





NOTE: Other sizes are available per request, please contact for more options.

Ecostyle CV Steel Panel Radiator

 Type 22
 (2 Panels, 2 Convectors)

Horizontal Panels Type 22 6 Pipe Connection Panels (1/2" BSP Female)

Product Code	Height (inch)	Length (inch)	Output (BTU/HR) @ 180°F x 68°F**	Output (BTU/HR) @ 140°F x 68°F**	Weight (Ibs)	Water Content (gal)
ECS8 2422CV		24″	1809	971	16	.40
ECS8 3222CV		32″	2413	1295	22	.60
ECS8 3622CV		36″	2717	1459	25	.70
ECS8 4822CV		48″	2361	1944	33	.90
ECS8 5622CV		56″	4226	2269	38	1.00
ECS8 6422CV	. 8″	64″	4826	2591	43	1.20
ECS8 /122CV		//″	5430	2915	49	1.30
ECS8 /922CV		/9"	6034	3240	54	1.50
ECS8 9222CV		92"	6939	3/25	62	1.70
ECS8 10222CV		102	/843	4211	/1	1.90
ECS8 12022CV		120	9051	4859	81	2.20
ECS12 1622CV		0.4″	1,705	1,031	15	.37
ECS12 2422CV		24	2,002	1,546	22	.53
ECS12 3222CV	10″	<u> </u>	4 266	2,004	29	./1
ECS12 4022CV	12	40	5 110	2,579	11	109
ECS12 4022CV		56"	5,119	3,034	51	1.00
ECS12 6422CV		64″	6,828	4 128	58	1.27
ECS16 1622CV		16"	2167	1 310	20	48
ECS16 2422CV		24"	3 254	1967	30	71
ECS16 3222CV		32"	4 3 3 7	2 622	40	95
ECS16 4022CV		40"	5 401	2,022	40	110
EC310 4022CV	16″	40	5,421	3,277	4 <u>3</u>	1.13
ECSI6 4822CV		40	0,504	3,932	59	1.43
ECSI6 5622CV		50	7,587	4,586	70	1.00
ECSI6 6422CV		64"	8,675	5,244	/8	1.90
ECSI6 /122CV		/1″	9,758	5,899	88	2.11
ECS20 1622CV		16″	2,610	1,578	25	.58
ECS20 2422CV		24″	3,916	2,367	37	.87
ECS20 3222CV		32″	5,221	3,156	50	1.14
ECS20 4022CV	20″	40″	6,526	3,945	62	1.43
ECS20 4822CV		48″	7,831	4,734	74	1.72
ECS20 5622CV		56″	9,137	5,523	86	2.01
ECS20 6422CV		64″	10,442	6,312	98	2.30
ECS24 1622CV		16″	3,037	1,836	30	.69
ECS24 2422CV		24″	4,551	2,751	45	1.06
ECS24 3222CV		32″	6,069	3,669	60	1.40
ECS24 4022CV	24"	40″	7,587	4,586	74	1.74
ECS24 4822CV	24	48″	9,106	5,504	89	2.09
ECS24 5622CV		56″	10,624	6,422	104	2.43
ECS24 6422CV		64″	12,138	7,337	118	2.80
ECS24 7122CV		71″	13,656	8,255	133	3.14
ECS36 1622CV		16″	4,240	2,563	46	.95
ECS36 2422CV		24″	6,362	3,846	68	1.43
ECS36 3222CV	36″	32″	8,480	5,126	90	1.90
ECS36 4022CV		40″	10,602	6,409	112	2.38
ECS36 4822CV		48″	12,724	7,691	135	2.85

**outputs based on water supply temperatures @ 20°Δ T x 68°F room temperature All CV Radiators: Test Pressure: 191 psi - Max Operating Pressure: 147 psi



Ecostyle PCV Steel Panel Radiator



Horizontal Panels Type 21 and Type 22 6 Pipe Connection Panels (1/2")

Product Code	Height (inch)	Length (inch)	Output (BTU/HR) @ 180°F x 68°F**	Output (BTU/HR) @ 140°F x 68°F**	Weight (Ibs)	Water Content (gal)
PCV8 2421		24″	1,346	781	17	.40
PCV8 3621		36″	2,022	1,173	27	.60
PCV8 4821		48″	2,698	1,565	35	.80
PCV8 5621	8″	56″	3,147	1,825	41	.90
PCV8 7121		71″	4,046	2,347	52	1.2
PCV8 9221	-	92″	5,172	3,000	67	1.5
PCV08 12021		120″	6,742	3,910	94	2.0
PCV12 1622		16″	1,705	1,031	18	.37
PCV12 2422		24″	2,562	1,548	27	.53
PCV12 3222		32″	3,414	2,064	35	.71
PCV12 4022	12″	40″	4,266	2,579	45	.90
PCV12 4822		48″	5,119	3,094	54	1.08
PCV12 5622		56″	5,971	3,610	62	1.27
PCV12 6422		64″	6,828	4,128	71	1.43
PCV16 1622	-	16″	2,167	1,310	24	.48
PCV16 2422	-	24″	3,254	1,967	37	./I
PCV16 3222		32″	4,337	2,622	49	.95
PCV16 4022	16″	40″	5,421	3,277	60	1.19
PCV16 4822	-	48″	6,504	3,932	72	1.43
PCV16 5622		56″	7,587	4,586	84	1.66
PCV16 6422	-	64″	8,675	5,244	95	1.90
PCV16 7122		71″	9,758	5,899	107	2.11
PCV20 1622		16″	2,610	1,578	30	.58
PCV20 2422		24″	3,916	2,367	45	.87
PCV20 3222		32″	5,221	3,156	61	1.14
PCV20 4022	20″	40″	6,526	3,945	76	1.43
PCV20 4822		48″	7,831	4,734	90	1.72
PCV20 5622		56″	9,137	5,523	105	2.01
PCV206422		64″	10,442	6,312	120	2.30
PCV24 1622		16″	3,037	1,836	37	.69
PCV24 2422		24″	4,551	2,751	55	1.06
PCV24 3222		32″	6,069	3,669	73	1.40
PCV24 4022	0.4"	40″	7,587	4,586	90	1.74
PCV24 4822	24"	48″	9,106	5,504	109	2.09
PCV24 5622		56″	10,624	6,422	127	2.43
PCV24 6422		64″	12,138	7,337	144	2.80
PCV24 7122		71″	13,656	8,255	162	3.14
PCV36 1622		16″	4,240	2,563	56	.95
PCV36 2422		24″	6,362	3,846	83	1.43
PCV36 3222	36″	32″	8,480	5,126	110	1.90
PCV36 4022		40″	10,602	6,409	137	2.38
PCV36 4822		48″	12,724	7,691	165	2.85

**outputs based on water supply temperatures @ 20°Δ T x 68°F room temperature All PCV Radiators: Test Pressure: 191 psi - Max Operating Pressure: 147 psi

PURMO





Actual Dimensions Type 21 & 22





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Ecostyle RCV

Standard Features
 Internal thermostatic
valve body
 Contoured side panels
and top grille
 Adjustable mounting
brackets
 Installed: plugs and air
vent

Actual Dimensions Type 21 & 22





NOTE: Other sizes are available per request, please contact for more options.

Ecostyle RCV Steel Panel Radiator

Type 21Image: Convectors(2 Panels, 1 Convectors)Type 22(2 Panels, 2 Convectors)

Horizontal Panels Type 21 and Type 22 6 Pipe Connection Panels (1/2")

Product Code	Height (inch)	Width (inch)	Output (BTU/HR) @ 180°F x 68°F**	Output (BTU/HR) @ 140°F x 68°F**	Weight (Ibs)	Water Content (gal)
RCV21 0824		24″	1,551	868	17	.38
RCV21 0836		36″	2,325	1,301	26	.57
RCV21 0848	8″	48″	3,103	1,737	35	.76
RCV21 0872		72″	4,649	2,602	52	1.14
RCV21 0892		92″	4,941	3,325	66	1.46
RCV22 1616		16″	2,168	1,213	18	.47
RCV22 1624		24″	3,248	1,818	27	.70
RCV22 1632		32″	4,333	2,425	36	.93
RCV22 1640	10″	40″	5,416	3,031	45	1.17
RCV22 1648	16"	48″	6,499	3,637	54	1.40
RCV22 1656		56″	7,581	4,243	63	1.63
RCV22 1664		64″	8,664	4,849	72	1.87
RCV22 1672		72″	9,747	5,455	81	2.10
RCV22 2416		16″	3,048	1,706	35	.69
RCV22 2424		24″	4,577	2,562	52	1.04
RCV22 2432		32″	6,101	3,415	69	1.39
RCV22 2440	0.4%	40″	7,625	4,268	86	1.73
RCV22 2448	24	48″	9,149	5,121	104	2.08
RCV22 2456		56″	10,673	5,974	121	2.43
RCV22 2464		64″	12,201	6,829	138	2.77
RCV22 2472		72″	13,725	7,682	155	3.12
RCV22 3616		16″	4,240	2,563	46	.95
RCV22 3624		24″	6,362	3,846	68	1.43
RCV22 3632	36″	32″	8,480	5,126	90	1.90
RCV22 3640		40″	10,602	6,409	112	2.38
RCV22 3648		48″	12,724	7,691	135	2.85

**outputs based on water supply temperatures @ 20°∆ T x 68°F room temperature All RCV Radiators: Test Pressure: 191 psi – Max Operating Pressure: 147 psi



ARCHITECTURAL TUBE RADIATOR

The modular structure of the Architectural Tube Radiators provide a high class finish to your homes appearance. The rounded side panels and the top decorative grille elegantly hide the convector plates all while allowing maximum heat output. Available in both horizontal and vertical. A great alternative to baseboard heaters that can take up all the wall space of a room.



Technical Specifications

- Material : High quality, low carbon, cold rolled DC01 steel in accordance with PN-EN 10130
- Connections: 4-1/2" side connections
- Working pressure: 72 psi
- Test Pressure: 150 psi
- Color: RAL 9016 white, other colors are available upon special request
- Accessories: Brackets, plugs and air vent packaged seperately. NOTE: Kontec does not have an option for a internal thermostatic valve.







Vertical Kontec



Actual Dimensions



Horizontal Side View



Vertical Dimensions



Purmo KONTEC Tube Radiator

Type 11

(1 Set of Tubes, 1 Convector)

Horizontal Radiators (Sizes in chart are fully stocked) 4 Connections- (1/2" BSP Female)

Radiator Model	Туре	Tubes	Height (in)	Length (in)	Output (BTU/ HR)@ 180°F	Output (BTU/ HR)@ 140°F	Weight (Ibs)	Water Content (gal)
KK062411				24	1,254	702	11	0.18
KK063611				36	1,881	1,055	16	0.27
KK064811				48	2,508	1,404	21	0.36
KK066311	11	0	5	63	3,150	1,843	28	0.47
KK067111		2	5/8″	71	3,762	2,077	31	0.53
KK068711				87	4,423	2,545	38	0.65
KK069511				95	5,016	2,780	42	0.72
кк0611911				119	6,270	3,510	54	1.00
KK092411				24	1,518	849	15	0.26
кко93611		3		36	2,282	1,277	22	0.39
KK094811				48	3,041	1,702	30	0.52
KK096311	11		8 7/16″	63	4,051	2,267	39	0.69
KK097111				71	4,558	2,551	44	0.78
KK099511				95	6,082	3,404	59	1.05
кко911911				119	7,599	4,253	61	1.57
KK122411				24	1,754	888	20	0.40
KK123611				36	2,631	1,332	30	0.50
KK124811	11	Λ	11	48	3,508	1,776	39	0.70
KK126311		4	1/4″	63	4,604	2,331	52	0.90
KK127111				71	5,262	2,664	59	1.10
KK129511				95	6,797	3,441	76	1.40
KH172411				24	2,932	1,642	27	52
KH173211				32	3,909	2,189	36	.69
KH174011	11	6	16	40	4,887	2,737	45	.87
KH174811		0	15/16″	48	5,864	3,284	54	1.04
KH177111				71	8,796	4,926	71	1.56
KH1711911				119	14,660	8,210	133	2.60
KH232411				24	3,556	1,992	35	.72
KH233611	11	8	22	36	5,334	2,988	53	1.08
KH234011		0	5/8″	40	5,927	3,320	59	1.20
KH234811				48	7,112	3,984	71	1.44

Vertical Radiators (Sizes in chart are fully stocked) 4 Connections- (1/2" BSP Female)

KS791411		5		14	3,865	2,163	59	1.32
KS791711	11	6	78 47/64″	17	4,646	2,600	70	1.54
KS792311		8	17/01	24	5,421	3,034	80	1.77

**outputs based on water supply temperatures @ 20°Δ T x 68°F room temperature All Kontec Radiators: Test Pressure: 191 psi Max Operating Pressure: 147 psi

The following additional types: Type 20, Type 22, Type 23, Type 34, Type 35, Type 46, Type 58 are available with heights up to 31" and lengths up to 95" Please contact us for more information!

Standard Features

White enameled appliance finish
Contoured side panels and top grille
Installed: plugs and air vent



ECOSTYLE SR TOWEL BARS

SUMMER COLLECTION Carbon steel towel bar with D-shaped side collectors (40x30mm) and 22 mm diameter round horizontal pipe, braze-welded in the straight and curved versions. Oval brackets, three in the straight version, four in the curved version.

The radiator offers an excellent performance and dual purpose, not only can you warm your towels, but warm your entire bathroom!



Technical Specifications

- Material : Carbon Steel
- Connections: 3-1/2" BSP connections
- Working pressure: 72 psi
- Test Pressure: 150 psi Tested to EN-442 regulations
- Color: RAL 9016 white, RAL 9005 matte black, other colors are available upon special request
- Accessories: Brackets, plug and air vent packaged seperately and included.



Ecostyle SRB Towel Bar Radiator Matte Black Finish



Ecostyle SRW Towel Bar Radiator White Enameled Finish





Ecostyle SR Towel Bar Radiators Dimensions And Outputs

Ecostyle SR Towel Bar Radiators (All items in chart are fully stocked) 4 Connections- (1/2" BSP Female)

Radiator Model #	FINISH	STYLE	Width (in)	Height (in)	Output (BTU/ HR)@ 180°F	Output (BTU/ HR)@ 140°F	Weight (Ibs)	Water Content (gal)
ECS-SRW27.24S	WHITE	STRAIGHT		27	1525	835	10	10
ECS-SRW27.24C	WHITE	CURVED		11/64″	1000		12	1.0
ECS-SRW43.24S	WHITE	STRAIGHT	23	43	0000	1206	20	15
ECS-SRW43.24C	WHITE	CURVED	3/4″	45/64″	2382	1296	20	1.5
ECS-SRW55.24S	WHITE	STRAIGHT		55 29/32″	3117	1696	25	1.9
ECS-SRB27.24S	MATTE BLACK	STRAIGHT	23	27 11/64″	1535	835	12	1.0
ECS-SRB43.24S	MATTE BLACK	STRAIGHT	3/4″	43 45/64″	2382	1296	25	1.9



Actual Dimensions



Optional Accessories

- Valves (Shutoff and Thermostatic)(Pg. 12)
- Automatic Hygroscopic Air Vent
- Towel Robe Hooks or S Hooks





(HYGROSCOPIC AIR VENT)

(S Hook)



Standard Features

- White or Matte Black Finish
- Wall Mounting Brackets Included
- Manual Coin Air Vent Included
- 22 mm Ø Pipes



RADIATOR/TOWELBARVALVESANDFITTINGS

Radiator Fittings (WORKS WITH ALL RADIATORS and TOWEL BARS)



Max. working pressure: 150 psi. Working temperature: 41-250°F.

Chrome plated nut.

ALL FITTINGS COME WITH CONICAL RADIATOR ADAPTER

PART #	DESCRIPTION
RV-NA10536	3/8" Nominal PEX
RV-NA10534	1/2" Nominal PEX
RV-NA10537	5/8" Nominal PEX
RV-NA10535	1/2" Copper Sweat
RV-NA10555	1/2" Copper Compression

Radiator Valves For Bottom Connections





RV-NA10533

RV-NA10531



Valves for panel radiators that have built-in thermostatic valve unit. Available in twopipe straight and angled versions. These Valves fit 1/2" female radiator adapters supplied with fittings. Diverter valves allow a by-pass of 30 to 50%. Factory set for 35%. Max. working pressure: 150 psi. Max. working temperature: 212°F.

PART # DESCRIPTION RV-NA10530 1/2" Straight Isolation RV-NA10531 1/2" Angled Isolation RV-NA10532 1/2" Straight Diverter 1/2" Angled Diverter RV-NA10533

Radiator Valves For Side Connections (WORKS WITH ALL RADIATORS and TOWEL BARS)

Angled and Straight radiator valves. Thermostatic versions allow use of a Non-Electric actuator for room temperature control. Chrome plated. Max. working pressure: 150 psi. Temperature range: 40-212°F.





RV-339452



PART #	DESCRIPTION
RV-338452	1/2" Angled Thermostatic
RV-339452	1/2" Straight Termostatic
RV-342452	1/2" Angeled Shutoff
RV-343452	1/2" Straight Shutoff

Radiator / Towel Bar Accessories

Thermostatic control head fits radiator valves. Set point locking mechanism.

Range stop adjustment. Built-in sensor with liquid-filled element.

Graduated scale from * to 5 corresponding to a temperature scale adjustment range of 45-82°F (7-28°C).

PART # DESCRIPTION

RV-TRV Thermostatic Head (White)



RV-449740 and RV-12550 Fits dual panel radiator valves 301 in white ABS. Outlet center distance: 2" on center. PART # DESCRIPTION RV-449740 2 Pipe Flex Escutcheon RV-12550 2 Pipe Rigid Escutcheon 8" Snap On Plastic Pipe Cover RV-8W SNAP (white) 8" Snap OnPlastic Pipe Cover RV-8C SNAP (chrome finish) RV-39W 39" Snap On Plastic Pipe SNAP Cover (white)



HYGROSCOPIC AIR VENT PART # DESCRIPTION RV-508041 1/2" NPT Male Replacement RV-508100 Cartridge



(ROBE Hook)



(S Hook)



PURMO

PIPING SCHEMATIC WITH FITTINGS

DIVERTER VALVES

RV-NA10532 STRAIGHT DIVERTING VALVE RV-NA10533 ANGLED DIVERTING VALVE NOTE: ADJUSTABLE BY-PASS FROM 30-50%

ISOLATION VALVES

RV-NA10530 STRAIGHT ISOLATING VALVE RV-NA10531 ANGLED ISOLATING VALVE

THERMOSTATIC CONTROL

3 RV-200000 THERMOSTATIC CONTROL HEAD TOWEL BAR VALVES

RV-339452 STRAIGHT THERMOSTATIC VALVE RV-338452 ANGLED THERMOSTATIC VALVE

5RV-343452STRAIGHT SHUT-OFF VALVERV-342452ANGLED SHUT-OFF VALVE

RADIATOR FITTINGS

(SOLD AS PAIR, CONICAL ADAPTERS ARE INCLUDED)

RV-NA105551/2" COPPER COMPRESSION FITTINGRV-NA105351/2" COPPER SWEAT TAIL FITTINGRV-NA105363/8" PEX COMPRESSION FITTINGRV-NA105341/2" PEX COMPRESSION FITTINGRV-NA105375/8" PEX COMPRESSION FITTING

ACCESSORIES

RV-8W SNAP	8" WHITE PLASTIC PIPE COVER
RV-39W SNAP	39" WHITE PLASTIC PIPE COVER
RV-12550	TWO PIPE RIGID ESCUTCHEON
RV-449740	TWO PIPE FLEX ESCUTCHEON
RV-200000	NON-ELECTRIC ACTUATOR

Radiator Mounting Brackets



Type 21,22

Floor Brackets:

Works with 8, 12, 16, 20, 24" height radiators. Radiator floor mounting bracket. In white. Bolt down design with plastic cover to hide plate and screws.



PARI #	DESCRIPTION
ECS-FLRBRKT	FLOOR BRACKET FITS TYPE 21,22
	FLOOR BRACKET FITS TYPE 11
ECS8CLAMP	Radiator Wall Bracket Type 21
ECS12CLAMP	Radiator Wall Bracket Type 22
ECS16CLAMP	Radiator Wall Bracket Type 22
ECS20CLAMP	Radiator Wall Bracket Type 22
ECS24CLAMP	Radiator Wall Bracket Type 22
ECS36CLAMP	Radiator Wall Bracket Type 22
RV-50425	TOGGLER 1/4-20 X 2 1/2 Drywall Anchor (sold in pack of 10)

NOTES: SERIES PIPING

• RECOMMENDED MAX OF 3 RADIATORS ON ONE LOOP

 THERMOSTATIC CONTROL (RV-200000)CAN BE USED FOR INDIVIDUAL RADIATOR ADJUSTMENT





CONNECTION METHODS

Bottom Connection

This connection method is used with the bottom-supplied radiators. The supply and return line axes are always located, respectively, 3" and 1" from the side edge of the radiator. Reversed connection will cause a drop in the heat output of over 30%.

Intermediate Connection

The bottom-supplied radiators can be connected in parallel with the side and bottom connections. Possible are intermediate solutions presented at the drawings: side and flow-through connections.



Flow-Through Connection

Recommended for the radiators of length exceeding 80" and also for the radiators of length exceeding four times their height.

These connections provide even distribution of temperature over the entire length of the radiator. The supply line should be connected to the left or right connector pipe and the return line should be connected to the opposite, bottom connections. Reversed connection will cause a drop in the heat output of over 30%.

This flow-through connection method can be used in the side-supplied radiators as well as in the bottom-supplied radiators <u>after the removal of a thermostatic valve insert</u>.

Opposite Ends Connection

With this connection method, the heat output of the radiators will be approximately 10% lower than the rated heat output. This type of connection method is most commonly used with the sidesupplied radiators when the heating system piping is distributed in skirting boards above the floor. It can also be used with the bottom-supplied radiators <u>after the removal of a thermostatic</u> <u>valve insert</u>.

Side Connection

The most popular solution is connecting radiators on either the right or the left side. The supply line should be connected to the top and the return line to the bottom connector pipe of the radiator. Reversed connection will cause a drop in the heat output of over 30%. This side connection method can be used in the side-supplied radiators as well as in the bottom-supplied radiators <u>after</u> <u>the removal of a thermostatic valve insert.</u>













CORRECTION FACTORS

Water Terr	perature	Room Temperature (°F)									
Supply (°F)	Return (°F)	52	56	60	64	68	72	76			
200	185	1.38	1.34	1.30	1.26	1.22	1.19	1.14			
200	180	1.35	1.32	1.28	1.23	1.20	1.16	1.12			
200	175	1.33	1.29	1.25	1.21	1.17	1.14	1.09			
200	170	1.30	1.26	1.22	1.18	1.14	1.11	1.07			
190	175	1.28	1.24	1.20	1.16	1.12	1.09	1.05			
190	170	1.26	1.22	1.18	1.13	1.10	1.06	1.02			
190	165	1.23	1.19	1.15	1.11	1.07	1.04	0.99			
190	160	1.20	1.16	1.12	1.08	1.05	1.01	0.97			
180	165	1.18	1.14	1.10	1.06	1.03	0.99	0.95			
180	160	1.16	1.12	1.08	1.04	1.00	0.96	0.92			
180	155	1.13	1.09	1.05	1.01	0.97	0.94	0.89			
180	150	1.10	1.07	1.03	0.98	0.95	0.91	0.87			
170	155	1.09	1.05	1.01	0.96	0.93	0.89	0.85			
170	150	1.06	1.02	0.98	0.94	0.90	0.87	0.82			
170	145	1.03	0.99	0.95	0.91	0.87	0.84	0.80			
170	140	1.01	0.97	0.93	0.88	0.85	0.81	0.77			
160	145	0.99	0.95	0.91	0.86	0.83	0.79	0.75			
160	140	0.96	0.92	0.88	0.84	0.80	0.77	0.72			
160	135	0.93	0.89	0.85	0.81	0.78	0.74	0.70			
160	130	0.91	0.87	0.83	0.78	0.75	0.71	0.67			
150	135	0.89	0.85	0.81	0.77	0.73	0.69	0.65			
150	130	0.86	0.82	0.78	0.74	0.70	0.67	0.62			
150	125	0.83	0.80	0.76	0.71	0.68	0.64	0.60			
150	120	0.81	0.77	0.73	0.68	0.65	0.61	0.57			
140	125	0.79	0.75	0.71	0.67	0.63	0.60	0.55			
140	120	0.76	0.72	0.68	0.64	0.60	0.57	0.53			
140	115	0.74	0.70	0.66	0.61	0.58	0.54	0.50			
140	110	0.71	0.67	0.63	0.58	0.55	0.51	0.47			
130	115	0.69	0.65	0.61	0.57	0.53	0.50	0.45			
130	110	0.66	0.62	0.58	0.54	0.51	0.47	0.43			
130	105	0.64	0.60	0.56	0.51	0.48	0.44	0.40			
130	100	0.61	0.57	0.53	0.48	0.45	0.41	0.36			
120	105	0.59	0.55	0.51	0.47	0.43	0.40	0.35			
120	100	0.56	0.53	0.49	0.44	0.41	0.37	0.32			
120	95	0.54	0.50	0.46	0.41	0.38	0.34	0.29			
120	90	0.51	0.47	0.43	0.38	0.34	0.31	0.26			

To use conversion table:

- 1. Find output at standard conditions listed.
- 2. Find conversion factor at desired supply, return and room temperatures.
- 3. New output equals output at standard conditions multiplied by conversion factor.

<u>Example:</u>

Radiator ECS-48.24SW has an output of 2,881 BTU at standard conditions (180°F Supply temp & 68°F Room temp).

The output at a supply temp of 160°F, a return temp of 145°F and a room temp or 72°F would be 2881 BTU x 0.79 = 2276 BTU.



WHISPA III KICK SPACE HEATERS



Electric Model: WE50K



Hydronic Model: W5000, W7000, W9000



Optional Flexible EZ Hose Kit (For Hydronic Model)

Whispa III Kickspace Fan Convectors are engineered to simply last longer, stay quieter and deliver a heat output you can rely on for accuracy and reliability year after year. It fits easily under a counter, window seat or stairs.

Whispa E50K Kickspace Fan Convectors deliver efficient heating from a compact, well-designed stylish electric fan convector. For rapid heat-up, room-to-room comfort, safety and reliability, the Whispa E50K offers unmatched performance for hard-to-heat areas such as kitchens, halls, stairways and bathrooms.

Technical Specifications

Standard Connections: 1/2" Copper tubes for supply and return

Maximum positive operating pressure: 145 psi

Maximum operating temperature: 200°F

Electrical Specifications: 120 Vac/60Hz





Whispa III Kick Space Heaters (Hydronic and Electric)



Hydronic Heating Performance Data and Specs (Requires 120 Vac/ 60Hz)

	Fan Setting Flow		W Flowrate	Heat Output (BTU/HR)								Motor	Water	Unit	Sound		
Model		Flow		Ente	Entering Water Temperature (°F), Entering Air Temperature (65°F)									Power	Content	Weight	Level
	ootanig		(0.1.1)	110	120	130	140	150	160	170	180	190	200	(W)	(oz)	Unit Weight 9.5 10.3	(dB@8')
	Boost	53	0	2040	2516	2997	3480	3967	4457	4949	5443	5939	6437				38.1
	Normal	41	3	1749	2096	2437	2773	3104	3432	3756	4078	4397	4713	05	5	9.5	25.7
M-W5000	Boost	53	1	1795	2214	2637	3063	3491	3922	4355	4790	5226	5664	25			38.1
	Normal	41		1539	1844	2144	2440	2732	3020	3306	3589	3869	4147				25.7
	Boost	81	3	2758	3419	4089	4766	5450	6140	6834	7534	8238	8946		10	10.3	37.2
	Normal	62		1673	2204	2771	3373	4004	4665	5351	6062	6797	7554	40			26.4
M-W/000	Boost	81	,	2427	3009	3598	4194	4796	5403	6014	6630	7249	7872				37.2
	Normal	62	I	1473	1939	2439	2968	3524	4105	4709	5335	5981	6648				26.4
	Boost	124	2	3759	4629	5504	6385	7271	8160	9053	9949	10848	11750				49.8
NA 14/0000	Normal	82	3	3266	3916	4556	5185	5807	6422	7031	7634	8233	8827	40	11 5	11	28.5
M-W9000	Boost	124	,	3308	4073	4844	5619	6398	7181	7967	8755	9546	10340	40	11.5	11	49.8
	Normal	82		2874	3446	4009	4563	5110	5652	6187	6718	7245	7767				28.5
				H	eat out	outs tes	sted in (accord	ance w	ith BS 4	1856 Pc	art 1					

Electric Heating Performance Data and Specs (Requires 120 Vac/ 60Hz)

								-		
	Model	Settings	Watts	BTU/HR	Amps	Equivalent Baseboard	Weight (Ibs)	Height (")	Width (")	Depth (")
	MEEOK	High	2000	2000 6,824 16.7		11.8′	6.0	2 2 /0"	15 1/0"	ر م ح ام
ľ	MEDUK	Low	1000	3,412	8.3	5.9′	0.9	33/0	151/2	0//0



WH III 5000 Kickspace Heater



Side View



WH III 7000 Kickspace Heater











Side View





$\overline{\text{VIDO}}$ intelligent fan convector



VIDO intelligent fan convectors are quiet, compact and architecturally attractive. The compact design produces high heat outputs at low flow temperatures delivering more than twice the heat of a comparably sized radiator. VIDO's low water content coil(s) ensure heat will be supplied quickly while its variable speed fan maintains precise room temperature control. These features enable condensing boilers to achieve peak efficiencies not possible with other high temperature units.

VIDO is available in 2 and 4 pipe models. The two pipe VIDO can provide either heating or cooling. The 4 pipe model allows mixed heating and cooling in a single system. Its microprocessor, heat and fan controller provides daily or weekly programs for automatic room temperature control. The single piece casing provides an elegant look while hiding the piping going to the convector.

VIDO guarantees the heat exchanger coil for five years and two years for electric components.

Technical Specifications

- Materials: high quality, low carbon, cold rolled DC01 steel in accordance with PN-EN 10130
- Connections: 2 or 4-3/4'' side connections,
- Working pressure: 147 psi Test Pressure: 191 psi
- Color: RAL 9016 white





VIDO- INTELLIGENT FAN CONVECTOR



High outputs

The VIDO has a large surface area heat exchanger. This feature combined with forced convection from its built-in fan produces high heat outputs.

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Space saving

Due to these high heat outputs, VIDOs are much smaller than panel radiators with equivalent outputs and so take up less wall space.

Silent

Sound levels were a key consideration during VIDO's development, so VIDO is the quietest fan convector available anywhere with no compromise on heat outputs.

Rapid heat

The VIDO has a much lower water content than other heat emitters, such as panel radiators and underfloor heating. In fact, the water content is less than 10% of that of a traditional radiator. Its lower thermal mass means the VIDO works quickly and efficiently.



Style

With its compact size, enameled finish and horizontal-ribbed profile, the VIDO delivers indoor comfort without compromising style.

Intelli VIDO

Intelligent controls

VIDO has the most advanced electronic programable controller for a fan convector. With its programable thermostat designed to suit all lifestyle requirements with both 'easy' and 'full' operating modes plus a in-built option to link to a building energy management system.

Low temperature compatibility

The VIDO works very efficiently with low temperature systems, such as heat pumps and traditional systems, such as gas/oil-fired boilers.



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Easy to install

Due to its solid, one-piece casing the VIDO is extremely easy to install.

Cooling

Not only is the VIDO great at heating spaces but when connected to a chilled water supply, it will rapidly cool spaces as well.







VIDO intelligent fan convector

The intelligent, electronic thermostat control system in every VIDO provides a wide range of easy to use heating and cooling operating options. Its two-tier level of programming incorporates an 'easy' mode for basic operation and a 'full' mode for more advanced functions.

- Each VIDO is individually programmable
- 24/7 programmer with 1 hour time periods
- Night set-back function
- Lockable LCD backlit display
- Option to link to a building energy management system
- The controller will also automatically select and vary the fan speeds as

required, depending on the current room temperature and the required room temperature set by the user.



Winter Heating – If the room temperature is 5° F or lower than the set point then the VIDO will activate boost mode, which will ensure the room heats up quickly. When the room is within 5° F of the set point then the VIDO will automatically switch to medium speed until the room temperature is within 2° F, then the normal fan speed will be selected. The VIDO will then maintain the normal fan speed until the set point has been achieved.



Summer Cooling - The process is the same as the Winter Heating cycle however the temperatures will be above the set point rather than below.



INTELLIGENT & EASY TO USE CONTROLS.





VIDO- DIMENSIONS AND OUTPUTS







Outputs Heating Outputs Cooling

Outputs Heating Outputs Cooling

DIMENSIONS										
Aodel	А	В								
/DO2 2432 OR VDO4 2432	31 1/2"	19 13/16								
/DO2 2440 OR VDO4 2440	39 3/8"	27 11/16								
/DO2 2448 OR VDO4 2448	47 1/4"	35 9/16								
/DO2 2456 OR VDO4 2456	55 1/8"	43 7/16								
/DO2 2464 OR VDO4 2464	63"	51 5/16"								

2- Pipe Unit

						(BTU	/HR)	(BTU/HR)		
Model	Туре	Height (in)	Length (in)	Weight (lbs)	Fan Speed	Water Flow (GPM)	Output (BTU/HR) @ 180° F	Output (BTU/HR) @ 140° F	Total	Sensible
		24	32	50	Normal	1.5	8,423	5,304	2,389	1,799
VDO2432-2					Medium	1.5	11,098	6,990	3,843	2,829
					Boost	1.5	14,874	9,377	5,625	4,188
		24		61	Normal	2.0	11,531	7,260	3,451	2,570
VDO2440-2			40		Medium	2.0	15,134	9,533	5,461	4,021
					Boost	2.0	20,593	12,984	7,864	5,857
		24	48	72	Normal	2.65	13,919	8,761	5,188	3,178
VDO2448-2	2 Pipe Unit				Medium	2.65	18,505	11,655	6,689	4,922
	ripe onic				Boost	2.65	26,323	16,597	9,959	7,416
					Normal	3.1	16,364	10,299	5,085	3,788
VDO2456-2		24	56	83	Medium	3.1	21,882	13,783	7,918	5,826
					Boost	3.1	31,755	20,023	12,058	8,980
		24			Normal	3.5	18,864	11,784	5,901	4,396
VDO2464-2			64	94	Medium	3.5	25,262	15,911	9,143	6,730
					Boost	3 5	37 178	23 443	14 154	10 539

4- Pine I Init

- T I	ip C		II C				(BTU	/HR)	(BTI	U/HR)
Model	Туре	Height (in)	Length (in)	Weight (lbs)	Fan Speed	Water Flow (GPM)	Output (BTU/HR) @ 180° F	Output (BTU/HR) @ 140° F	Total	Sensible
	4 4 Bine Unit		32	50	Normal	1.32	5,961	3,752	2,292	1,708
VDO2432-4		24			Medium	1.32	7,880	4,961	3,650	2,687
					Boost	1.32	10,613	6,686	5,342	3,977
		24	40	61	Normal	1.54	8,116	5,109	3,277	2,441
VDO2440-4					Medium	1.54	10,671	6,720	5,186	3,818
					Boost	1.54	14,557	9,175	7,468	5,562
		24	48	72	Normal	1.76	9,717	6,118	4,927	3,018
VDO2448-4					Medium	1.76	12,911	8,133	6,353	4,674
	ripe onic				Boost	1.76	18,340	11,565	9,458	7,044
					Normal	1.98	11,404	7,179	4,830	3,598
VDO2456-4		24	56	83	Medium	1.98	15,227	9,593	7,520	5,533
					Boost	1.98	22,040	13,901	11,452	8,528
		24			Normal	2.2	13,125	8,263	5,604	4,175
VDO2464-4			64	94	Medium	2.2	18,048	11,360	8,684	6,391
					Boost	2.2	26,820	16,895	13,442	10,009

The 4-pipe VIDO has two coils enabling separate connections to boilers and chillers allowing a building to be heated and cooled simultaneously.



Fan Convector Warranty Terms and Conditions

VIDO & Whispa Warranty

- 1. Each VIDO & Whispa Fan Convector is guaranteed for 1 year from installation date against any defects caused by faulty materials or manufacture. The defective unit will be replaced similar or mechanically comparable convector.
- 2. Each VIDO & Whispa electronic controller is guaranteed for 2 years from installation date against defects caused by faulty materials or manufacture. The defective electronic controller will be replaced.
- 3. Each VIDO & Whispa fan motor is guaranteed for 3 years from installation date against defects caused by faulty materials or manufacture. The defective fan motor will be replaced
- 4. Each VIDO & Whispa hot or chilled water coil is guaranteed for 5 years from installation date against defects caused by faulty materials or manufacture. The defective coils will be replaced
- 5. The VIDO & Whispa Warranty is subject to the condition that a heating contractor whose principal occupation is the sale and installation of heating/cooling equipment must have installed the convector.
- 6. The Warranty is valid for VIDO mounted in a forced hot water installation:
- in a closed system with an expansion tank;
- powered by a boiler/chiller, the "low" side of a heat exchanger or heat pump;
- made from steel / copper or plastic pipes with a oxygen diffusion barrier;
- equipped with automatic air venting system;
- used for heating residential, office or institutional buildings, service stations or other buildings that are not exposed to permanent or temporary moistness of the radiator surface.
- 7. The Warranty is recognized when:
- there is evidence of purchase, such as the invoice;
- the convectors have been mounted in a closed loop, forced hot water heating system;
- adhering to the requirements of the installation manual.
- 8. Maximum operating pressure in central heating installation for VIDO fan convectors not exceed 147 psi (11.7 bars) and a maximum operating temperature of 190° F.
- 9. The Warranty does not cover convectors mounted:
- in swimming pool areas, car washes, laundries, slaughterhouses or rooms with corrosive substances in the air;
- in central heating installations connected to municipal water supply system without protective valves, fittings, backflow preventors, etc.;
- in central heating installations where water is removed for periods longer than advised in the installation guide;
- in steam installations;
- in central heating installations where the water quality rating level has been higher than advised.

10. The Warranty doesn't cover damages to the convector or its parts due to improper handling, storage, transport or misuse. It is recommended to remove the packaging only after construction is completed.

11. The convectors require periodical cleaning and it is recommended to use only soft and gentle fabrics that can be slightly moistened. It is not advised to use aggressive or corrosive cleaners (e.g. acidic solvents or agents with chlorine). The washable air filters need to be cleaned when required

12. It is forbidden to remove the water from the entire installation or its part and to leave it in this condition. It also refers to new installations with the tightness test. If there is a need to remove the water, e.g. due to renovation or maintenance works, the water must be removed only from the given part. After accomplishing all works the installation must immediately be filled with water.

13. The Warranty is granted provided the convector has not been repaired or modified without QHT's approval.

14. Reporting faults or defects within the warranty period needs to be followed by requesting from the distributor a special claim form including the origin and details of damage. The distributor will accept the claim form and forwards it to QHT via registered letter, fax or email within 48 hours. The invoice or its copy shall be attached to the form. In specific cases QHT may request a photo documentation of the product claim.

For prompt warranty service, notify the installer, who, in turn, will notify the distributor from whom he purchased the boiler. If this does not result in corrective action, contact Purmo through QHT with details in support of the warranty claim. All claims must be processed through proper trade channels. Contact with Purmo directly is not recommended for rapid claim settlement.



Radiator Warranty Terms and Conditions



Ecostyle Warranty

- 1. Each Ecostyle Panel Radiator is guaranteed for 10 years from installation date against defects caused by faulty materials or manufacture. The defective unit will be replaced with same or comparable panel radiator.
- 2. Each Ecostyle Towel Bar Radiator is guaranteed for 5 years from installation date against defects caused by faulty materials or manufacture. The defective unit will be replaced with same or comparable radiator.
- 3. The Warranty is valid for radiators mounted in a forced hot water installation:
- in a closed loop system with an expansion tank;
- powered by a boiler, hi/lo heat exchanger or heat pump;
- made from steel / copper or plastic pipes with a oxygen diffusion barrier;
- equipped with automatic air venting system;
- used for heating residential, office or institutional buildings, service stations or other buildings that are not exposed to permanent or prolonged moistness of the radiator surface.
- 4. The Warranty is valid when:
- there is evidence of the radiator purchase, invoice, etc.;
- the requirements of the installation manual are followed.
- 5. Maximum operating pressure in a central heating installation for Ecostyle Panel Radiators and Ecostyle Towel Bar Radiators may not exceed 147 psi (11.7 bars) and a maximum operating temperature of 190° F.
- 6. The Warranty does not cover radiators mounted:
- in swimming pool rooms, car washes, laundries, slaughterhouses or rooms with corrosive substances in the air;
- in central heat installations connected to municipal water supply without protective valves, fittings, backflow preventors, etc.;
- in central heating installations where water is removed for periods longer than advised in the installation guide;
- in steam installations;
- in central heating installations where the water PH is higher than advised.
- 7. The Warranty doesn't cover damages to the radiator or its parts (brackets, etc) due to improper handling, storage, transport or misuse. The radiators should be mounted within their original packaging. This packaging must be left on the radiator even if the heating system is activated while finishing construction or for pressurizing purposes. It is recommended to only remove the packaging after construction is completed.
- 8. The radiators require periodical cleaning and it is recommended to use only soft and gentle fabrics that can be slightly moistened. It is not advised to use aggressive or corrosive cleaners (e.g. acidic solvents or agents with chlorine). Claims for damage of varnished surfaces due to improper handling or maintenance will not be granted.
- 9. It is not advisable to remove the water from the entire installation or its part and to leave it in this condition. It also refers to new installations with the tightness test. If there is a need to remove the water, e.g. due to renovation or maintenance works, the water must be removed only from the zone. After finishing the work, the units must immediately be refilled with water.
- 10. The Warranty is granted provided the radiator has not been repaired or modified without QHT's approval.
- 11. Reporting defects within the warranty period needs to be processed through the distributor using a special claim form including the origin and details of the damage. The distributor will accept the claim form and forward it to QHT via letter, fax or email within 48 hours. The invoice or its copy needs to be attached to the form. In specific cases QHT may request a photo documentation of the product claim.
- 12. For prompt warranty service, notify the installer, who, in turn, will notify the distributor from whom he purchased the boiler. If this does not result in corrective action, contact QHT with details in support of the warranty claim. All claims must be processed through proper trade channels. Contact with Purmo directly is not recommended for rapid claim settlement.

Water used in heating systems that include Purmo radiators should not exceed these values:

- 1. Total chloride and sulphate- shall <u>NOT</u> exceed 50 mg/l = 50 ppm
- 2. Total dissolved oxygen- shall <u>NOT</u> exceed 0.1 mg/I = 0.1 ppm
- 3. Water pH should be in the range of 6.3 -7.7
- 4. Water hardness should <u>NOT</u> exceed 4.0 mval/l = 200.17 ppm



Setting the Standard for Indoor Comfort, Environmental Integrity and Fuel Efficiency

QHT supplies the most durable, fuel efficient and environmentally sustainable boilers, radiators and convectors available. From its Portsmouth, NH warehouse facility, QHT assembles and distributes an extensive range of steel panel radiators, towel bars, boilers and fan convectors. In most cases, almost all products shown in this guide book can be shipped next day to anywhere in the US /Canada.

QHT has worked 35 years as a manufacturers' representative for HVAC products sold to wholesale distributors in the U.S. and Canada.

Customer service and support are the key to QHT's business. The staff at QHT will take care of your needs. In addition to providing specialized packaging and shipping services, QHT product support extends to giving on-site training seminars for fan convectors, radiators, boilers, burners and controls.

QHT represents several manufacturers of boilers and radiators. QHT remains committed to providing energy conservation with low environmental impact.







Distributor: QHT Inc. | 3560 Lafayette Rd | Bldg 2, Unit A | Portsmouth | NH | 03801

Purmo Group and QHT Inc both reserve the right to make changes without notice due to continuing engineering and technological advances

www.purmoUSA.com 800-501-7697

