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April 2012:

Low H2O
suitable for heat pumps

efficiency radiators]

radiator centre ltd

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RADIATOR CENTRE LTD

Low H2O
suitable for heat pumps

[efficiency radiators]

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radiator centre ltd

[Knockonwood]

Casing

The wooden covers are finished with a scratch-resistant polyurethane varnish, gloss degree 40%. High UV resistance.

Price category 1:

- Oak natural
- Beech natural
- Maple natural
- Zebrano natural

Price category 2:

- Oak bleached
- Beech bleached
- Mahogany
- Oak wenge-coloured
- Walnut

Metal parts: sandblast grey metallic (001)

The valve and its connections are concealed within the standard casing.

The surface temperature of the casing remains safe at all times, even at a water temperature of 90°C.

The casing can be removed in its entirety for cleaning and maintenance.

10 year guarantee

Imposing, surprising, innovative, confronting. Knockonwood is the very first radiator made of wood. The beautifully designed simple yet elegant covering has been finished with the noblest veneer. Durable wood that curves gracefully along the wall. Knockonwood's warm power radiates from its Low-H2O core, which guarantees energy savings and greater heating comfort. Available in 9 different types of wood.



dbe
Dynamic Boost Effect



Knockonwood is also available:
As DBE or oxygen radiator
With the super-powered twin heat exchangers. The boiler temperature is on average 15% lower for equivalent radiator dimensions!

Page
01A

Knock On Wood in Oak natural

High efficiency boiler combination

Thanks to its low water content and high coefficient of heat conduction for low flow temperatures, the Knockonwood, with its modern Low-H2O element, is ideal to use in combination with high efficiency boilers and/or condensing technology.

Low-H2O heat exchanger



Pure copper and aluminium, totally noncorrosive
Pressure tested: 20 bar
Supplied as standard with extended air vent with transparent synthetic drain tube.
With dirt-repellent and dust-proof lacquer in graphite grey (RAL 7024)
High heat output achieved with normal and lower flow temperatures
Efficient: rapid heating up speed due to super
Low water content
The optimal combination of convection and radiation

Delivery Information : Knockonwood £25 per consignment

Options	Est Time
Price category 1	4-6 weeks
Price category 2	4-6 weeks
Walnut (780)	6-10 weeks
All prices shown exclude VAT	



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Our Range is perfect for: low temperature systems. With minimal water content, and maximum heat transfer, they are ideal for systems running on Ground source / Air source heat pumps.

Knockonwood

Wood Finishes Casings Category 1



700 Oak Natural



720 Beech Natural



760 Maple Natural



740 Zebrano Natural



700 Oak Natural

The reproduction of wood finishes, however carefully it has been compiled, is merely indicative. Wood is a natural product, so structure and colour can be different cover per cover. It's impossible to obtain a 100% exact colour reproduction in printing.



Knock on wood in Oak bleached



Knock on wood in Zebrano

Wood Finishes Casings Category 2



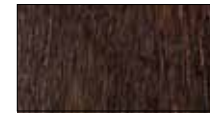
721 Oak Bleached



721 Beech Bleached



710 *Mahogany



702 Oak Wenge



780 Walnut

Extended Delivery times



721 Oak Bleached

The reproduction of wood finishes, however carefully it has been compiled, is merely indicative. Wood is a natural product, so structure and colour can be different cover per cover. It's impossible to obtain a 100% exact colour reproduction in printing.* Mahogany finish on the base of sapelli stain.

Wall mounted model twin type 06



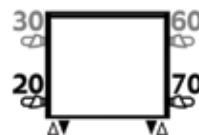
Standard delivery complete casing in one piece with wooden cover, Twin Low-H2O heat exchanger type 08, wall brackets, fixing kit, extended air vent 1/8", drain cock 1/2"

		Height	Lengths cm	60	80	100	120	140	180	220
Projection from wall = 10.8 cm	30	Output:75/65/20		416	554	693	832	970	1247	1525
		Category 1 £		367.00	408.80	464.30	549.60	606.10	659.70	763.70
		Category 2 £		407.40	452.30	513.30	609.20	670.90	726.00	838.30
	55	Output:75/65/20		554	739	924	1109	1294	1663	2053
		Category 1 £		402.00	450.40	525.60	612.20	688.10	760.80	878.90
		Category 2 £		445.60	497.90	581.60	679.00	762.50	839.40	968.00
	80	Output:75/65/20		645	860	1075	1290	-	-	-
		Category 1 £		432.00	491.60	588.10	682.60	-	-	-
		Category 2 £		478.60	543.90	652.10	758.50	-	-	-

Output calculated in accordance with EN442, at a water temperature of 75/65°C and a room temperature of 20°C (ΔT=50).

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Connection: Standard connection: bottom end left or right, valve position 20 or 70. For option top valve: 30 (top left) or 60 (top right)
Please state when ordering

Knockonwood

Wall mounted model type 10

Standard delivery complete casing in one piece with wooden cover, Low-H2O heat exchanger type 10, wall brackets, fixing kit, extended air vent 1/8", drain cock 1/2"

Height		Lengths cm	60	80	100	120	140	180	220
Projection from wall = 12.8 cm	30	Output:75/65/20	452	603	754	905	1056	1357	1659
		Category 1 £	348.10	383.50	444.10	515.10	568.20	608.60	697.00
		Category 2 £	388.90	427.40	495.30	575.40	633.80	676.00	772.80
Projection from wall = 12.8 cm	55	Output:75/65/20	660	880	1100	1320	1540	1980	2420
		Category 1 £	383.40	424.90	495.40	578.40	651.50	709.70	811.80
		Category 2 £	427.20	472.80	551.90	645.90	726.80	789.30	902.00
Projection from wall = 12.8 cm	80	Output:75/65/20	778	1037	1296	1555	-	-	-
		Category 1 £	416.00	469.80	560.90	651.10	-	-	-
		Category 2 £	462.80	522.50	625.50	727.60	-	-	-

Wall mounted model type 15

Standard delivery complete casing in one piece with wooden cover, Low-H2O heat exchanger type 15, wall brackets, fixing kit, extended air vent 1/8", drain cock 1/2"

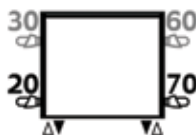
Height		Lengths cm	60	80	100	120	140	180	220
Projection from wall = 17.8 cm	30	Output:75/65/20	689	919	1149	1379	1609	2068	2528
		Category 1 £	368.90	410.30	476.90	551.90	610.80	669.00	783.90
		Category 2 £	410.30	455.00	529.10	613.30	677.80	738.80	862.60
Projection from wall = 17.8 cm	55	Output:75/65/20	1001	1335	1669	2003	2337	3004	3672
		Category 1 £	406.70	454.20	533.60	621.50	700.00	770.90	899.50
		Category 2 £	451.10	502.80	591.70	690.60	777.10	852.80	992.40
Projection from wall = 17.8 cm	80	Output:75/65/20	1165	1553	1941	2329	-	-	-
		Category 1 £	445.00	507.10	605.80	700.30	-	-	-
		Category 2 £	492.40	561.00	672.00	778.60	-	-	-

Category 1:

Oak natural (700)
Beech natural (720)
Maple natural (760)
Zebrano natural (740)

Category 2:

Oak bleached (701)
Beech bleached (721)
Mahogany (710)
Oak wenge-coloured (702)
Walnut (780) - extended delivery time



Connection: Standard connection: bottom end left or right, valve position 20 or 70. For option top valve: 30 (top left) or 60 (top right)
Please state when ordering

Wall mounted model twin type 11



Standard delivery complete casing in one piece with wooden cover, Twin Low-H2O heat exchanger type 11, wall brackets, fixing kit, extended air vent 1/8", drain cock 1/2"

Height		Lengths cm	60	80	100	120	140	180	220
Projection from wall = 12.8 cm	30	Output:75/65/20	515	687	859	1031	1203	1546	1890
		Category 1 £	387.80	432.10	500.30	577.40	636.10	695.20	804.00
		Category 2 £	428.60	476.00	551.50	637.70	701.70	762.60	879.80
Projection from wall = 12.8 cm	55	Output:75/65/20	718	958	1197	1436	1676	2155	2633
		Category 1 £	425.20	475.60	553.80	642.70	721.40	798.40	920.90
		Category 2 £	469.00	523.50	610.30	710.20	796.70	878.00	1011.1
Projection from wall = 12.8 cm	80	Output:75/65/20	845	1127	1409	1691	-	-	-
		Category 1 £	458.20	520.90	619.60	715.80	-	-	-
		Category 2 £	505.00	573.60	684.20	792.30	-	-	-

Wall mounted model twin type 16



Standard delivery complete casing in one piece with wooden cover, Twin Low-H2O heat exchanger type 16, wall brackets, fixing kit, extended air vent 1/8", drain cock 1/2"

Height		Lengths cm	60	80	100	120	140	180	220
Projection from wall = 17.8 cm	30	Output:75/65/20	752	1002	1253	1504	1754	2255	2757
		Category 1 £	417.80	472.00	549.70	633.60	701.20	786.40	940.70
		Category 2 £	459.20	516.70	601.90	695.00	768.20	856.20	1019.6
Projection from wall = 17.8 cm	55	Output:75/65/20	1063	1418	1772	2126	2481	3190	3898
		Category 1 £	457.70	518.00	608.50	705.40	792.60	890.40	1058.4
		Category 2 £	502.10	566.60	666.60	774.50	869.70	972.30	1151.3
Projection from wall = 17.8 cm	80	Output:75/65/20	1288	1718	2147	2576	-	-	-
		Category 1 £	496.40	571.30	681.10	784.50	-	-	-
		Category 2 £	543.80	625.20	747.30	862.80	-	-	-

Output calculated in accordance with EN442, at a water temperature of 75/65°C and a room temperature of 20°C (ΔT=50).

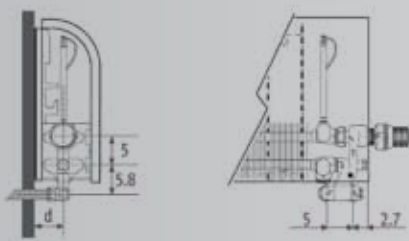
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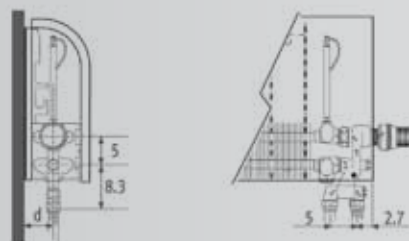
Knockonwood Connections, Dimensions & Options

Connections Knock On Wood

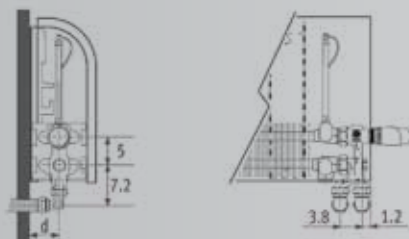
Comap valve to the wall



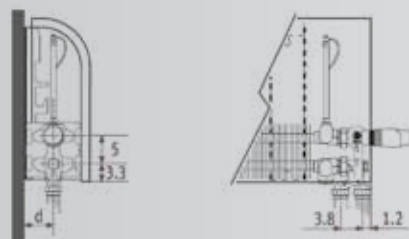
Comap valve to the floor



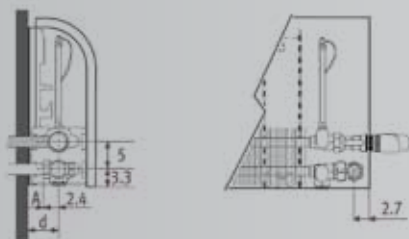
Pro valve to the wall



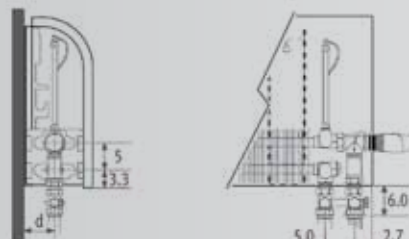
Pro valve to the floor



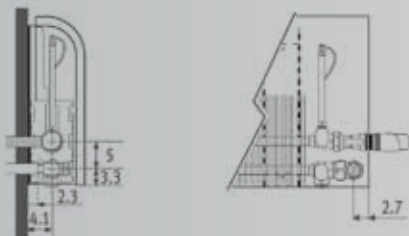
Valve to the wall



Valve to the floor



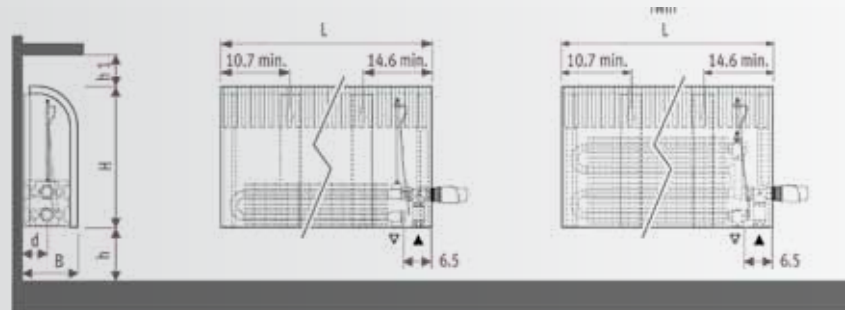
Type 6 valve to the wall



Type	d	A
06	4.6	1.8
10/11	5.2	2,9
15/16	7.7	5.3

Dimensions in cm

Dimensions Knock On Wood



Type	B	d	h/min*	h1/min*
06	10.8	4.8	10.0	5.0
10/11	12.8	5.2	10.0	5.0
15/16	17.8	7.7	12.0	5.0

* Smaller dimensions can decrease output Dimensions in cm

Options Knock On Wood

Valve Options

Please see page 55

Brush

For easy cleaning of the underside of the Low-H2O heat exchanger without detaching the casing



Code	
5090.001	6.70

Fixing calorimeter holder

Please contact radiator centre ltd for details and prices.



The Knock On Wood is available with both DBE and Oxygen options **See page 01A**

[Connections] Sets & Valves

Complete connection sets are available for all our efficiency radiators. Including sleeve couplings and all accessories, and with a choice of various operating and thermostatic heads.



DW: Chrome/White



DC: Chrome



JA: White



JC: Silver

[Comap Valve Set] 90 180

Universal valve for connection to the wall and to the floor

Ideal for **Knockonwood, Synergy, Linea Plus, Safetouch and Mini**

(not for Mini with fixed feet H = 6.5 cm)

Universal valve with revolving underblock for wall or floor connection

Replacement internal mechanism

With screw thread M30 x 1.5 (Heimeier compatible)

With synthetic spindle protection for setting on site

For two pipe

Completely lockable (flow and return)

Kv-value:





Two pipe: continuous adjustable between 0.05 and 0.6 m³/h



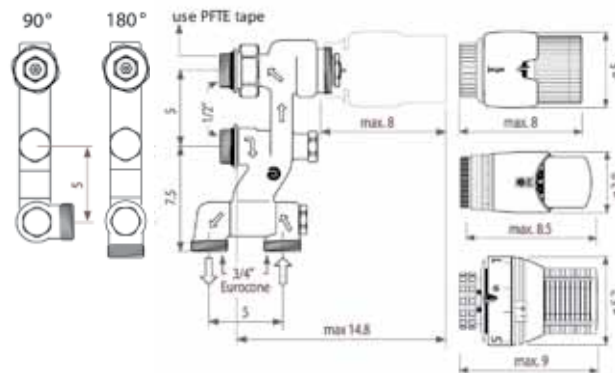
Comap valve 90°

Comap valve 180°

Thermostatic Heads, Options and Prices

			
DW: Chrome/White	DC: Chrome	JA: White	JC: Silver
Comap Complete Connection Sets TWO PIPE			
Code	Description	£	
COLO.CP2.DW	Valve set 90° or 180° with Chrome/White head	83.30	
COLO.CP2.DC	Valve set 90° or 180° with Chrome head	92.30	
COLO.CP2.JA	Valve set 90° or 180° with White head	73.30	
COLO.CP2.JC	Valve set 90° or 180° with Silver head	83.30	

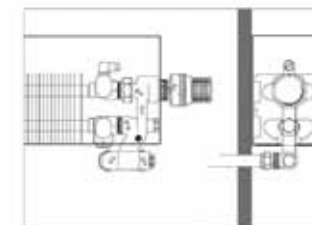
Diagrams and Standard Connection



Comap valve

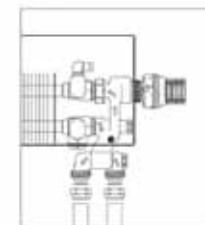
To the wall

Position 90°



To the floor

Position 180°



All our valves are protected with caps for on site fitting

Included in the price of the connection sets: Sleeve couplings 1/2\".

Other valve accessories available see page 61

Connection Sets and Valves

[Pro Valve Set] Wall or Floor

Universal valve for connection to the wall and to the floor

Ideal for **Knockonwood, Synergy, Linea Plus and Mini**

Not for Knockonwood and Synergy type 06, or RadCen Safetouch LST

Specially shortened thermostatic valve in order to be fully concealed within the casing

With pre-setting at the flow (two pipe) or on the return (one pipe)

For two pipe

Completely lockable (flow and return)

For connection to the floor or to the wall

With screw thread M30 x 1.5 (Heimeier compatible)

With synthetic spindle protection for setting on site

Standard Kv-value: Two pipe: 0.10 up to 0.60 m³/h.

Reduced Kv-value: 0.045 up to 0.32 m³/h. (recognition: red coloured spindle protection).







Set 11
Pro valve Wall

Set 12
Pro valve Floor



Included in the price of the connection sets:
Thermostatic Head, Valves, M24 Elbows (If Applicable) Sleeve couplings 1/2".
Other valve accessories available see page 61


Thermostatic Heads, Options and Prices

			
DW: Chrome/White	DC: Chrome	JA: White	JC: Silver
SET 11 Pro Valve Wall Complete Connection Sets TWO PIPE (incorporating two M24 x M24 90° angle pieces)			
Code	Description	£	
COLO.PW2.DW 11	Pro Valve set 11 Wall with Chrome/White head	74.20	
COLO.PW2.DC 11	Pro Valve set 11 Wall with Chrome head	83.20	
COLO.PW2.JA 11	Pro Valve set 11 Wall with White head	64.10	
COLO.PW2.JC 11	Pro Valve set 11 Wall with Silver head	74.20	
SET 12 Pro Valve Floor Complete Connection Set TWO PIPE			
COLO.PF2.DW 12	Pro Valve set 12 Floor with Chrome/White head	66.00	
COLO.PF2.DC 12	Pro Valve set 12 Floor with Chrome head	75.00	
COLO.PF2.JA 12	Pro Valve set 12 Floor with White head	55.90	
COLO.PF2.JC 12	Pro Valve set 12 Floor with Silver head	66.00	
5090.1120	Pro Valve Tool for easy mounting	5.50	


Diagrams and Standard Connection

Pro valve
To the wall
With M24° angle pieces

To the floor
Position 180°



M24 x M24



Pro Valve Tool

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[Standard Valve Set]

Universal valve for connection to the wall or floor

Ideal for **Knockonwood, Synergy, Linea Plus, Mini** and Safetouch (not for Knockonwood and Synergy type 06)

Specially shortened thermostatic valve in order to be fully concealed within the casing

With pre-setting in 6 steps

With screw thread M30 x 1.5 (Heimeier compatible)

With synthetic spindle protection for setting on site.

For connection to the wall or the floor







Set 21
Standard valve Wall

Set 22
Standard valve Floor



Thermostatic Heads, Options and Prices

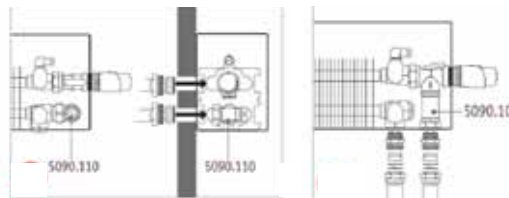
			
DW: Chrome/White	DC: Chrome	JA: White	JC: Silver
Standard Valve Complete Wall Connection Set 21 TWO PIPE			
Code	Description	£	
COLO.JW2.DW 21	Valve set 21 Wall with Chrome/White head	59.70	
COLO.JW2.DC 21	Valve set 21 Wall with Chrome head	68.70	
COLO.JW2.JA 21	Valve set 21 Wall with White head	49.60	
COLO.JW2.JC 21	Valve set 21 Wall with Silver head	59.70	
Standard Valve Complete Floor Connection Set 22 TWO PIPE			
COLO.JF2.DW 22	Valve set 22 Floor with Chrome/White head	60.00	
COLO.JF2.DC 22	Valve set 22 Floor with Chrome head	69.00	
COLO.JF2.JA 22	Valve set 22 Floor with White head	49.90	
COLO.JF2.JC 22	Valve set 22 Floor with Silver head	60.00	

Included in the price of the connection sets:

Thermostatic Head, Valves, Sleeve couplings 1/2".

Other valve accessories available see page 61

Standard Connections



Set 21

Set 22

[Type 6 Valve Set] Wall

For Knockonwood and Synergy Type 06 wall mounted

Specially shortened thermostatic valve in order to be fully concealed within the casing
 With pre-setting in 6 steps
 With screw thread M30 x 1.5 (Heimeier compatible)
 With synthetic spindle protection for setting on site.
 For connection to the wall
Standard kv-value: 0.10 tot 0.60 m³/h.
Reduced kv-value: 0.045 tot 0.32 m³/h.
 (recognition: red coloured spindle protection)







Set 25

Type 06 valve Wall

Included in the price of the connection sets:
 Thermostatic Head, Valves, Sleeve couplings 1/2".
 Other valve accessories available see page 61

Thermostatic Heads, Options and Prices

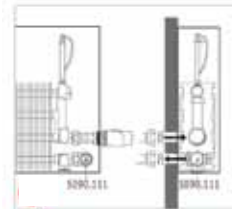
			
DW: Chrome/White	DC: Chrome	JA: White	JC: Silver
Type 06 Valve Complete Wall Connection Set 25 TWO PIPE			
Code	Description	£	
COLO.SW2.DW 25	Valve set 25 Wall with Chrome/White head	55.90	
COLO.SW2.DC 25	Valve set 25 Wall with Chrome head	64.90	
COLO.SW2.JA 25	Valve set 25 Wall with White head	45.80	
COLO.SW2.JC 25	Valve set 25 Wall with Silver head	55.90	

Application: only suitable for connection to the wall for Knockonwood and Synergy type 06.

Standard Connection

To the wall

With type 6 valve and angled lockshield M 24, 90° (Synergy & Knockonwood, type 06)



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[Top Valve Kit]

Thermostatic valve for operation at the top end, on the left or right side of the radiator.

Applicable with all Low-H2O radiators with standard or Twin heat exchanger. After mounting only the thermostatic head remains visible at the side panel.

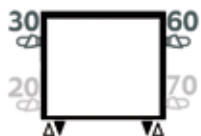
For connection to the floor or to the wall
Thermostatic head (white RAL 9010) included as standard
With synthetic spindle protection for setting on site.

With pre-setting in 6 steps

Length of capillary : 2 m

Kv-value:





0.10 up to 0.60 m³/h.



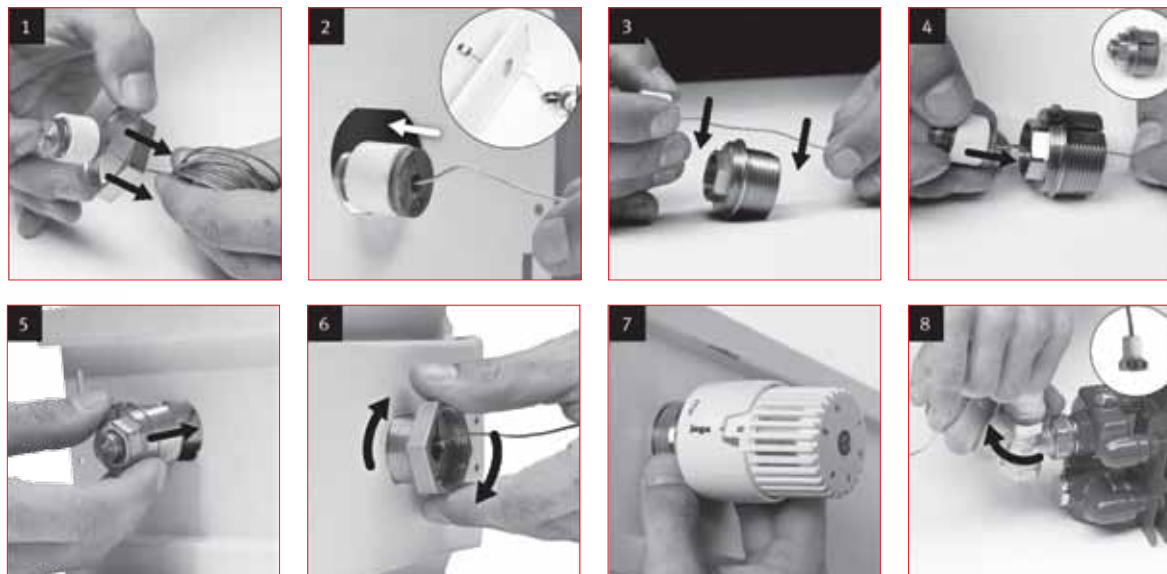
Set 71
Top Valve Kit

Included in the price of the connection sets:
Thermostatic Head, Capillary: 2 m. Sleeve couplings 1/2".

Thermostatic Heads, Options and Prices

			
DW: Chrome/White	DC: Chrome	JA: White	JC: Silver
SET 71 - Connection to wall			
Code	Description	£	
5090.13001 DW 71	Valve set 71 Top with Chrome/White head	105.00	
5090.13001 DC 71	Valve set 71 Top with Chrome head	114.00	
5090.13001 JA 71	Valve set 71 Top with White head	75.80	
5090.13001 JC 71	Valve set 71 Top with Silver head	105.00	
SET 72 - Connection to Floor			
5090.13001 DW 72	Valve set 72 Top with Chrome/White head	105.30	
5090.13001 DC 72	Valve set 72 Top with Chrome head	114.30	
5090.13001 JA 72	Valve set 72 Top with White head	76.10	
5090.13001 JC 72	Valve set 72 Top with Silver head	105.30	

Connection Procedure



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[Options]

H piece 1/2" 180° with 2 integrated lockshields and lockable by-pass



Nickle plated

Code	£
5090.112	£21.00

Tool to regulate: 6 mm Allen key. By-pass open: 25% of main pipe water flow goes through heating element. By-pass closed: 100 % of main pipe water flow goes through heating element

H piece M24 180° with 2 integrated lockshields and lockable by-pass



Nickle plated

Code	£
5090.120	£21.00

Tool to regulate: 6 mm Allen key. By-pass open: 25% of main pipe water flow goes through heating element. By-pass closed: 100 % of main pipe water flow goes through heating element

H piece M24 90° with 2 integrated lockshields and lockable by-pass



Nickle plated

Code	£
5090.121	£22.20

Tool to regulate: 6 mm Allen key. By-pass open: 25% of main pipe water flow goes through heating element. By-pass closed: 100 % of main pipe water flow goes through heating element

Extension pipe



Code	£
5090.108	£3.00

Nickle plated

Manual head



Code	£
5090.110101	£3.00

white RAL 9010

Thermostatic head with sensor at distance



Length of capillary: 2 m.

Code	£
5090.1115	£52.10

Suitable for independent temperature measurement (underfloor ducts, bath panels, project casings, etc).

Remote controlled thermostatic head



Remote controlled TRV head for heating elements installed in places with difficult access (underfloor ducts, bath panels, project casings, etc).

Length of capillary: 2 m.
Minimal interior diameter of the tube for conducting the capillary = 18 mm.

Code	£
5090.1106	£72.10

Covering Rosette



Code	L	M	£
22170.00040101	10.8	3.8	£1.90
22170.00040102	11.2	5.0	£1.90

Two piece rosette
Strong ABS synthetic material
Simple mounting or removing (click system)
Heat-resistance up to 100°C
White RAL 9010