

LASERLINE CENTRALLY CONNECTED VALVE








 **Overall heights** 155 - 3000 mm
Any height between 300 and 3000 mm is available to the nearest millimetre at the customer's request.

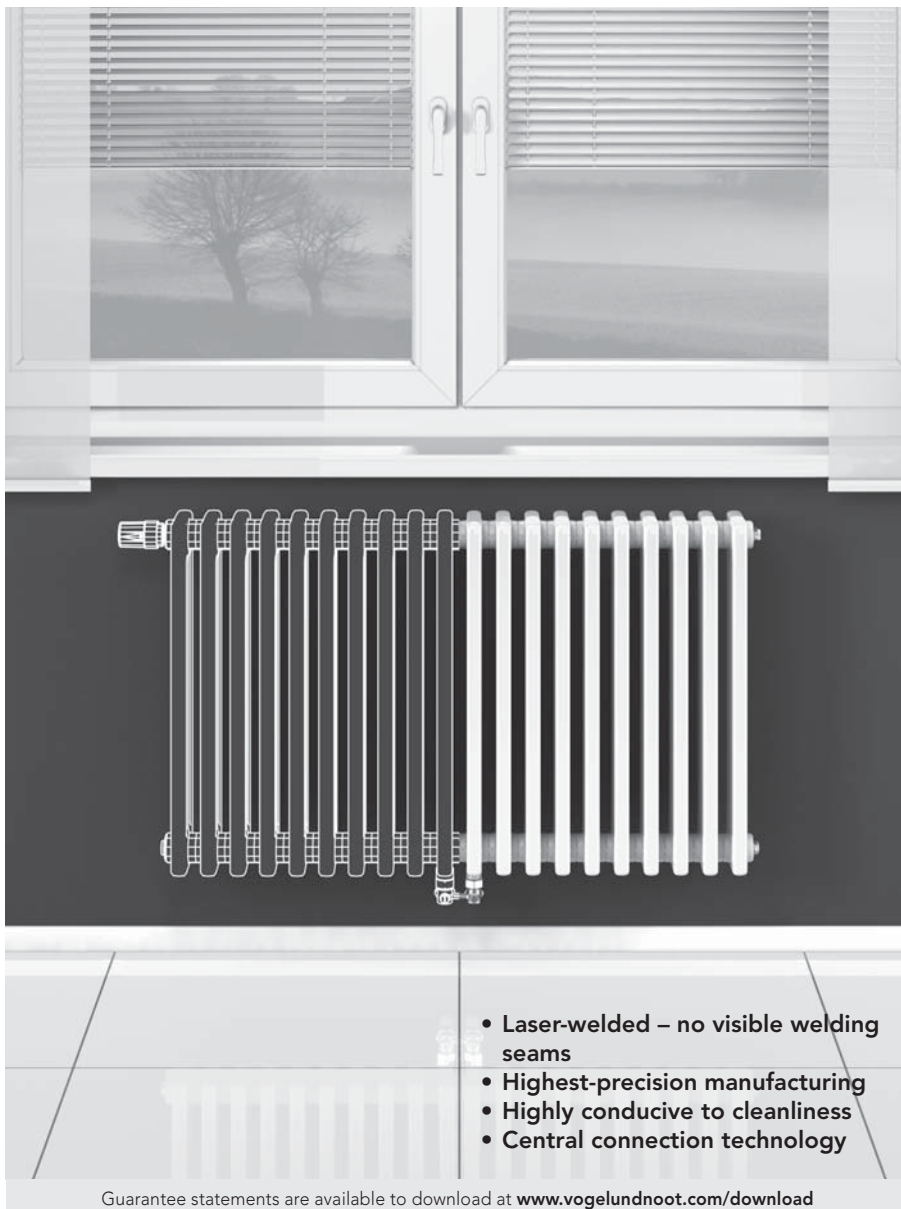
 **Overall lengths**
200 - max. 1500 mm

 **Overall depth**
 2-column: 63 mm
 3-column: 101 mm
 4-column: 139 mm
 5-column: 177 mm
 6-column: 215 mm

 **Connections**
 4 x 1/2" internal thread front right and left, 2 x 1/2" internal thread at the bottom centrally, distance of 50 mm with integrated thermostatic valve at the top

 **Max. operating pressure**
10 bar max.

 **Max. operating temperature** 110 °C



Design Column radiators made from precision-engineered steel pipes and fully laser-welded head pieces connected to completed radiators. Only an even number of elements is possible. Pipes and head pieces flattened on the exterior to increase the heat output. No protruding welding burrs either inside or outside. With built-in presettable control valve.

Packaging

Environmentally friendly transport packaging with side protection (enclosing cardboard packaging), and shrink-wrapped.

Safety

Construction in line with work safety

requirements in accordance with the guidelines of the statutory accident insurer (GUV). Tested and registered in accordance with European standard EN 442 Reg. No. 6R0900. Complies with the old BAGUV guidelines. Awarded a hygiene certificate.

Technical data

Boss size: 1", element length: 50 mm

Attention!

The manufacturer's length tolerance is 0 to + 1%. Please take this into account during pre-assembly!

Note:

The Laserline centrally connected valve radiator consists of one block (according to supply range) and cannot be joined by

nipples.

Fixing

See Accessories (not included in scope of delivery)

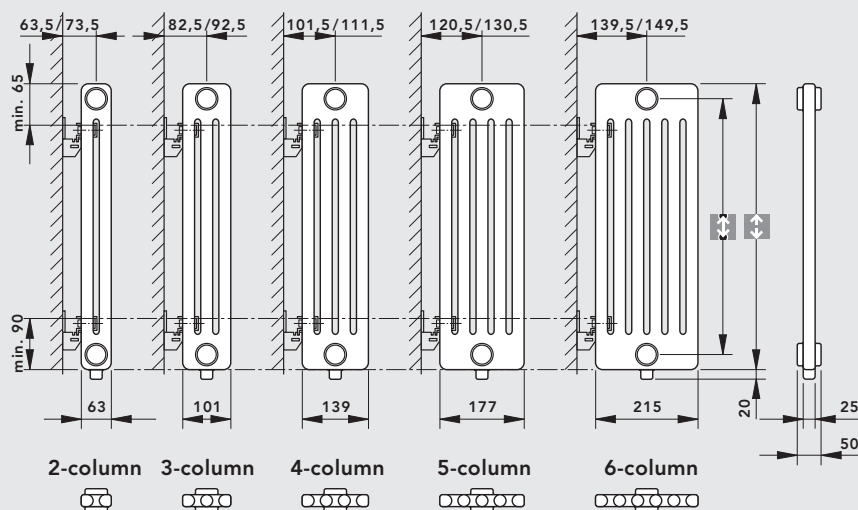
Scope of delivery

Includes thermostatic valve suitable for thermostatic heads with port thread M 30 x 1.5 mm; air vent and 2 x drain plugs G 1/2".

Coating

In accordance with DIN 55900, with electrophoretic immersion coating and cured powder coating in RAL 9016 Traffic White, other RAL colours and bathroom suite colours are available upon request.

Models overview



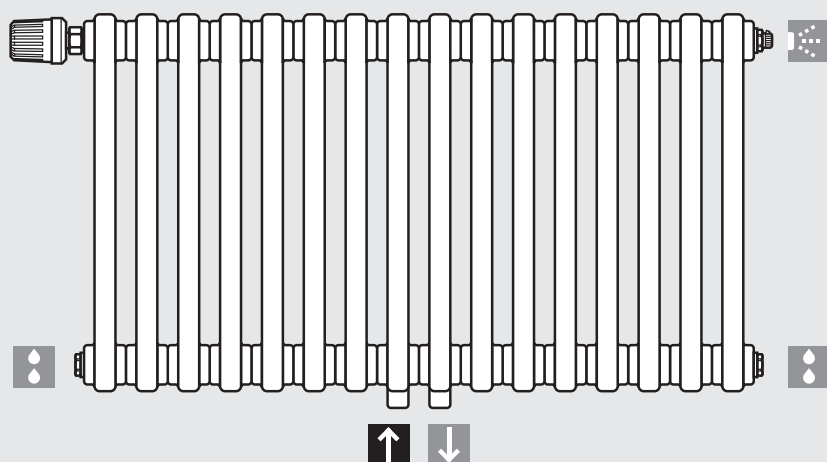
Note:

The entire Laserline centrally connected valve series is manufactured without clip brackets. The delivery does not include fixings, but does include the necessary plugs and thermostatic valve!



Overall height – 65 mm

Connection



Attention: The supply must always be connected on the side with the valve.

Max. number of elements per block

Model	Overall height [mm]	Max. no. of elements per block
2-column	155 - 1000	30
	1001 - 2400	18
	2401 - 3000	16
3-column	155 - 1000	30
	1001 - 2400	18
	2401 - 3000	16
4-column	155 - 1000	30
	1001 - 2000	18
	2001 - 2200	16
	2201 - 2500	14
	2501 - 2800	12
	2801 - 3000	10
5-column	155 - 800	30
	801 - 1000	26
	1001 - 1500	18
	1501 - 1800	16
	1801 - 2000	14
	2001 - 2200	12
	2201 - 2800	10
	2801 - 3000	8
6-column	155 - 665	30
	666 - 750	28
	751 - 800	26
	801 - 900	24
	901 - 1000	22
	1001 - 1200	18
	1201 - 1400	16
	1401 - 1600	14
	1601 - 1900	12
	1901 - 2300	10
	2301 - 3000	8

Central connection of valve is only possible with an even number of elements! No specially-produced lengths are possible (maximum number of elements!)

1

ULOW-E2

Profile panel radiators

Plan panel radiators

Vertical radiators

2

Towel warmers

Design radiators

3

Standard Column radiators

Centrally connected Column radiators

Double pipe operation

The desired setting values can be set easily and accurately without the need for special tools (see diagram below).

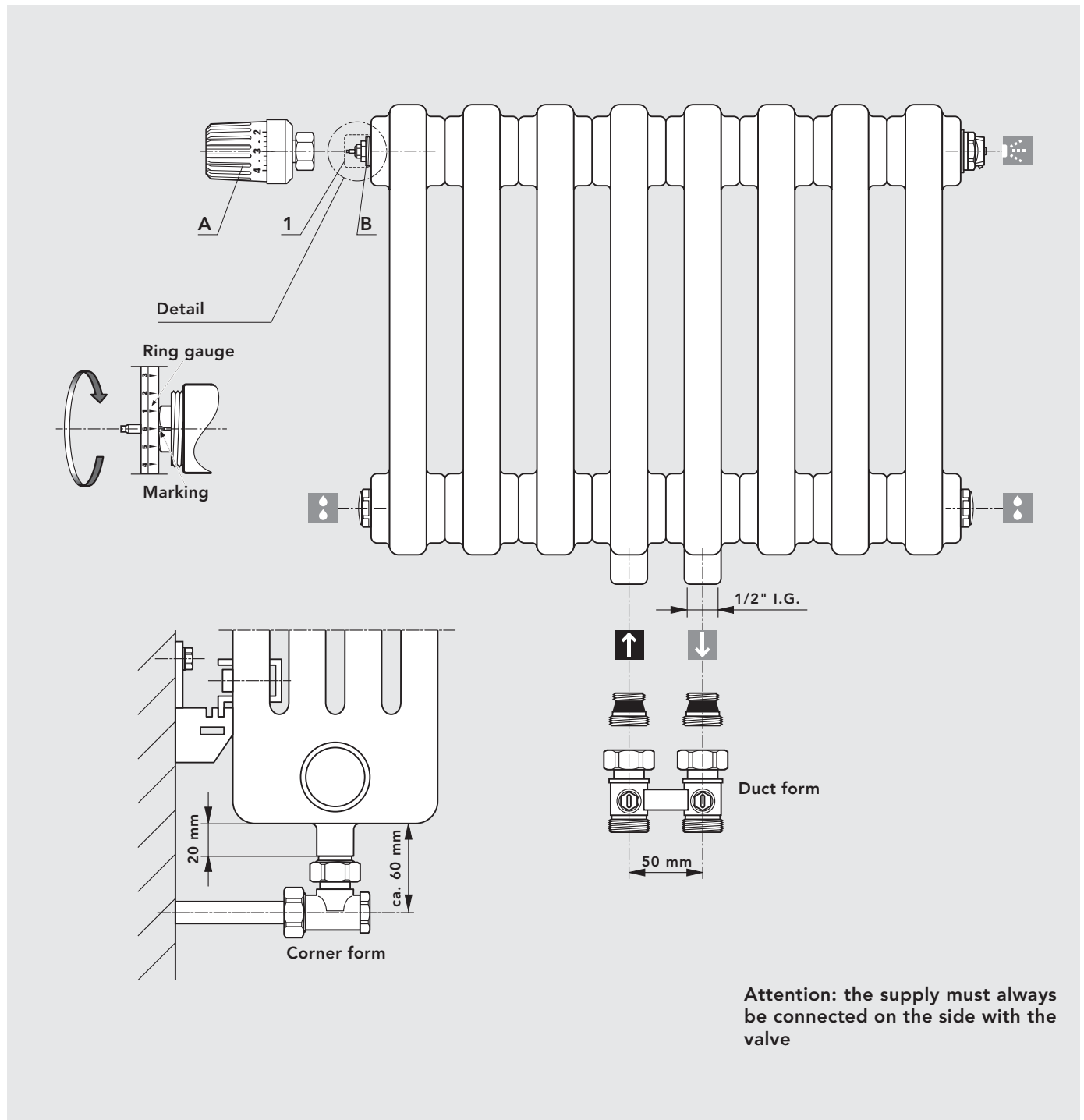
The radiator is supplied with the protective cap already fitted. After removing the protective cap (item 1) the thermostatic heads (item A not in the scope of delivery) with M 30 x 1.5 mm port threads of the brands Heimeier, Honeywell-MNG and Oventrop, or special thermostatic heads "RAW-K" made by Danfoss and the Herz "H"

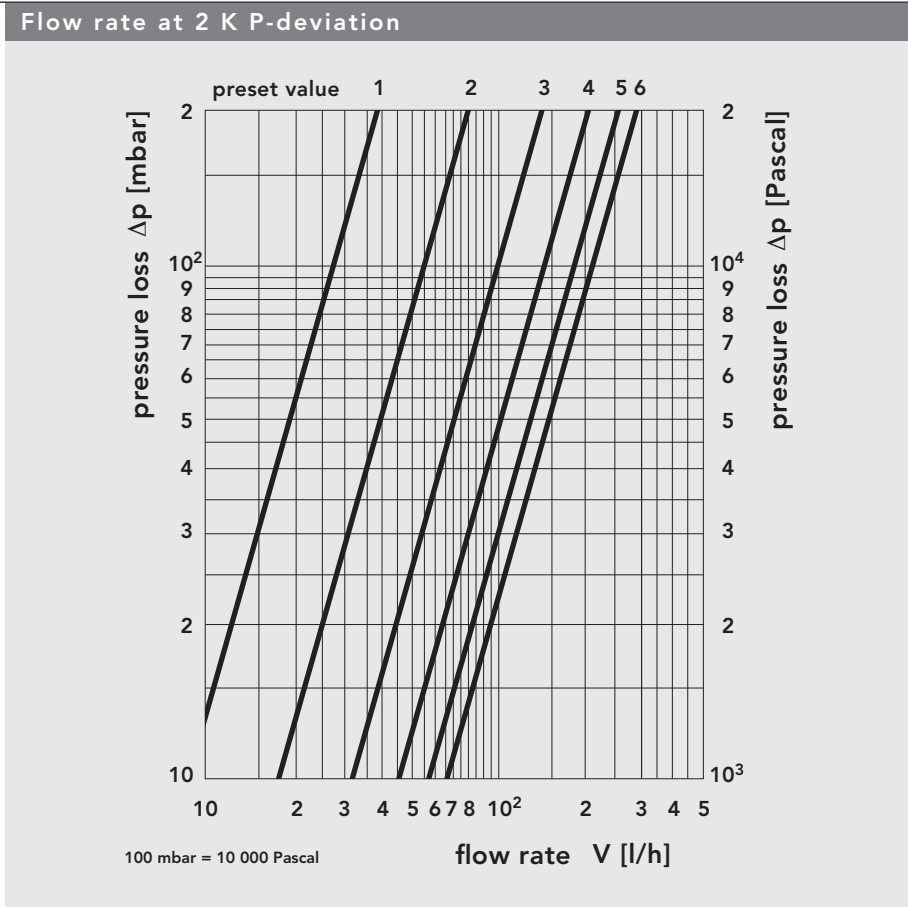
thermostatic head can be fitted directly onto the built in valve (item B).

Setting notes:

- Remove the protective cap or thermostatic head
- Turn the ring gauge anti-clockwise to the desired setting – the desired setting value (1 6) must be positioned above the marking
- The pre-set value can be selected in increments of 1 and 6

- The valve is set to the pre-set value 6 by the manufacturer



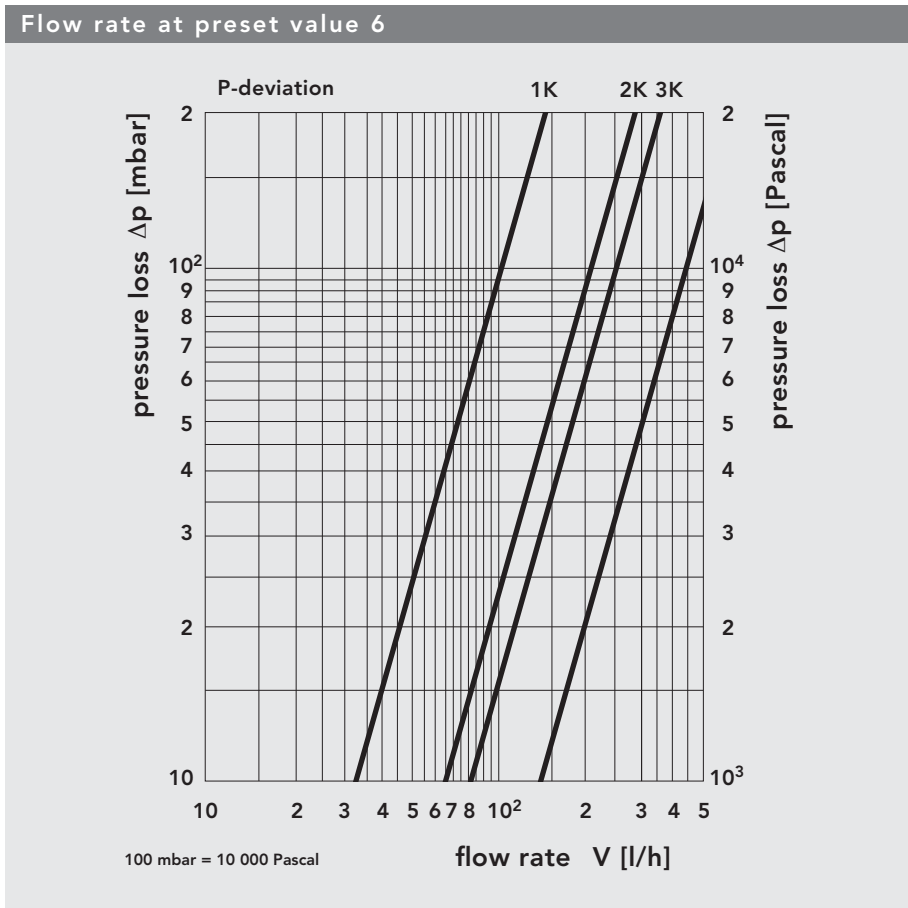


VE*	1	2	3	4	5	6
k_v	0,047	0,126	0,269	0,417	0,6	0,7

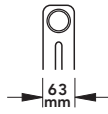
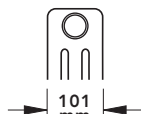
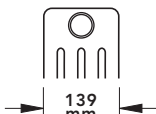
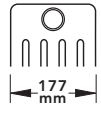
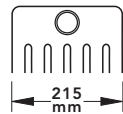
* VE = preset value

The presettable control valve is built in by the manufacturer and is delivered with the thermostatic valve.
Port thread M 30 x 1.5 mm.

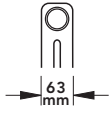
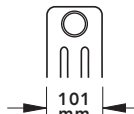
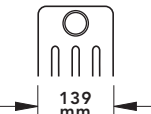
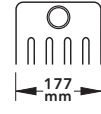
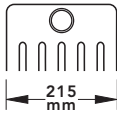
The available models and heat outputs are in line with the tables on the next pages. The thermostatic valve is located in the upper boss of the radiator on the front left.

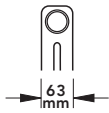
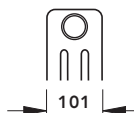
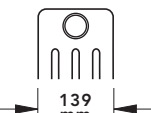
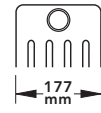
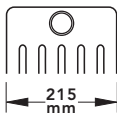


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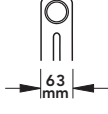
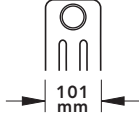
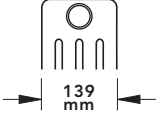
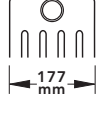
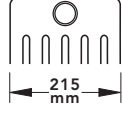
Standard heat output (Watts) at 75/65/20 °C in accordance with EN 442, DIN registration number 6R0900						
Attention: the height 155 mm cannot be mounted using the radiator mounts!		2-columns	3-columns	4-columns	5-columns	6-columns
						
Increments	All lengths from 200 to 1500 mm in increments of 100 mm, the element width is 50 mm.					
 Overall height 155 mm	Model	2016	3016	4016	5016	6016
	Output/element in Watts	12,66	17,51	22,83	28,71	34,80
 Boss spacing 90 mm	Water capacity/element in litres	0,27	0,39	0,51	0,63	0,75
	Weight when empty/element in kg	0,30	0,45	0,61	0,76	0,93
 Overall height 300 mm	Model	2030	3030	4030	5030	6030
	Output/element in Watts	25,24	35,40	45,56	55,98	66,39
 Boss spacing 235 mm	Water capacity/element in litres	0,40	0,57	0,75	0,93	1,11
	Weight when empty/element in kg	0,52	0,78	1,05	1,30	1,57
 Overall height 350 mm	Model	2035	3035	4035	5035	6035
	Output/element in Watts	28,96	40,50	52,04	63,99	75,93
 Boss spacing 285 mm	Water capacity/element in litres	0,44	0,64	0,84	1,03	1,23
	Weight when empty/element in kg	0,60	0,89	1,20	1,49	1,86
 Overall height 365 mm	Model		3037	4037	5037	6037
	Output/element in Watts		42,01	53,96	66,36	78,76
 Boss spacing 300 mm	Water capacity/element in litres		0,66	0,86	1,06	1,27
	Weight when empty/element in kg		0,91	1,22	1,54	1,86
 Overall height 400 mm	Model	2040	3040	4040	5040	6040
	Output/element in Watts	32,63	45,52	58,40	71,87	85,33
 Boss spacing 335 mm	Water capacity/element in litres	0,49	0,70	0,92	1,14	1,35
	Weight when empty/element in kg	0,68	1,00	1,35	1,67	2,02
 Overall height 450 mm	Model	2045	3045	4045	5045	6045
	Output/element in Watts	36,26	50,47	64,68	79,64	94,60
 Boss spacing 385 mm	Water capacity/element in litres	0,53	0,76	1,01	1,24	1,48
	Weight when empty/element in kg	0,75	1,12	1,49	1,86	2,24
 Overall height 500 mm	Model	2050	3050	4050	5050	6050
	Output/element in Watts	39,87	55,38	70,88	87,32	103,76
 Boss spacing 435 mm	Water capacity/element in litres	0,57	0,83	1,09	1,34	1,60
	Weight when empty/element in kg	0,83	1,23	1,64	2,04	2,46
 Overall height 550 mm	Model	2055	3055	4055	5055	6055
	Output/element in Watts	43,46	60,25	77,03	94,93	112,83
 Boss spacing 485 mm	Water capacity/element in litres	0,62	0,89	1,17	1,45	1,73
	Weight when empty/element in kg	0,91	1,34	1,79	2,23	2,68
 Overall height 600 mm	Model	2060	3060	4060	5060	6060
	Output/element in Watts	47,02	65,07	83,12	102,48	121,83
 Boss spacing 535 mm	Water capacity/element in litres	0,66	0,96	1,26	1,55	1,85
	Weight when empty/element in kg	0,98	1,46	1,94	2,42	2,91

Output tables

Standard heat output (Watts) at 75/65/20 °C in accordance with EN 442, DIN registration number 6R0900						
		2-columns 	3-columns 	4-columns 	5-columns 	6-columns 
Increments	All lengths from 200 to 1500 mm in increments of 100 mm, the element width is 50 mm.					
 Overall height 665 mm	Model	2067	3067	4067	5067	6067
	Output/element in Watts	51,64	71,31	90,97	112,20	133,42
 Boss spacing 600 mm	Water capacity/element in litres	0,72	1,04	1,37	1,69	2,01
	Weight when empty/element in kg	1,08	1,60	2,14	2,66	3,20
 Overall height 750 mm	Model	2075	3075	4075	5075	6075
	Output/element in Watts	57,65	79,40	101,15	124,80	148,45
 Boss spacing 685 mm	Water capacity/element in litres	0,80	1,15	1,51	1,86	2,22
	Weight when empty/element in kg	1,21	1,79	2,39	2,97	3,58
 Overall height 900 mm	Model	2090	3090	4090	5090	6090
	Output/element in Watts	68,22	93,57	118,92	146,79	174,65
 Boss spacing 835 mm	Water capacity/element in litres	0,93	1,34	1,76	2,17	2,59
	Weight when empty/element in kg	1,44	2,13	2,84	3,53	4,24
 Overall height 1000 mm	Model	2100	3100	4100	5100	6100
	Output/element in Watts	75,26	102,97	130,67	161,31	191,95
 Boss spacing 935 mm	Water capacity/element in litres	1,02	1,47	1,93	2,38	2,84
	Weight when empty/element in kg	1,59	2,36	3,14	3,91	4,69

Standard heat output (Watts) at 75/65/20 °C in accordance with EN 442, DIN registration number 6R0900						
		2-columns 	3-columns 	4-columns 	5-columns 	6-columns 
Increments	All lengths from 200 to 1000 mm in increments of 100 mm, the element width is 50 mm.					
 Overall height 1065 mm	Model		3107	4107	5107	6107
	Output/element in Watts		109,07	138,29	170,72	203,15
 Boss spacing 1000 mm	Water capacity/element in litres		1,55	2,04	2,52	3,00
	Weight when empty/element in kg		2,46	3,24	4,15	4,98
 Overall height 1100 mm	Model	2110	3110	4110	5110	6110
	Output/element in Watts	82,30	112,34	142,38	175,77	209,16
 Boss spacing 1035 mm	Water capacity/element in litres	1,11	1,60	2,10	2,59	3,10
	Weight when empty/element in kg	1,75	2,59	3,44	4,28	5,14
 Overall height 1200 mm	Model	2120	3120	4120	5120	6120
	Output/element in Watts	89,35	121,70	154,04	190,17	226,29
 Boss spacing 1135 mm	Water capacity/element in litres	1,19	1,73	2,27	2,80	3,33
	Weight when empty/element in kg	1,90	2,81	3,74	4,65	5,58

LASERLINE-VM

Standard heat output (Watts) at 75/65/20 °C in accordance with EN 442, DIN registration number 6R0900						
		2-columns 	3-columns 	4-columns 	5-columns 	6-columns 
Increments		All lengths from 200 to 1000 mm in increments of 100 mm, the element width is 50 mm.				
 Overall height 1500 mm	Model	2150	3150	4150	5150	6150
	Output/element in Watts	110,64	149,80	188,95	233,18	277,41
 Boss spacing 1435 mm	Water capacity/element in litres	1,46	2,11	2,77	3,42	4,08
	Weight when empty/element in kg	2,36	3,49	4,64	5,77	6,92
 Overall height 1800 mm	Model	2180	3180	4180	5180	6180
	Output/element in Watts	132,23	178,08	223,92	276,14	328,35
 Boss spacing 1735 mm	Water capacity/element in litres	1,72	2,49	3,27	4,04	4,82
	Weight when empty/element in kg	2,82	4,17	5,53	6,88	8,25
 Overall height 2000 mm	Model	2200	3200	4200	5200	6200
	Output/element in Watts	146,83	197,10	247,36	304,85	362,34
 Boss spacing 1935 mm	Water capacity/element in litres	1,90	2,75	3,61	4,46	5,31
	Weight when empty/element in kg	3,12	4,62	6,13	7,63	9,15
 Overall height 2200 mm	Model	2220	3220	4220	5220	6220
	Output/element in Watts	161,63	216,28	270,93	333,68	396,42
 Boss spacing 2135 mm	Water capacity/element in litres	2,08	3,01	3,94	4,87	5,81
	Weight when empty/element in kg	3,43	5,07	6,73	8,38	10,04
 Overall height 2500 mm	Model	2250	3250	4250	5250	6250
	Output/element in Watts	184,23	245,44	306,30	377,21	447,78
 Boss spacing 2435 mm	Water capacity/element in litres	2,34	3,39	4,45	5,50	6,55
	Weight when empty/element in kg	3,89	5,75	7,63	9,49	11,37
 Overall height 2800 mm	Model	2280	3280	4280	5280	6280
	Output/element in Watts	207,36	275,09	342,82	421,18	499,53
 Boss spacing 2735 mm	Water capacity/element in litres	2,61	3,78	4,95	6,12	7,29
	Weight when empty/element in kg	4,34	6,43	8,53	10,61	12,71
 Overall height 3000 mm	Model	2300	3300	4300	5300	6300
	Output/element in Watts	223,10	295,18	367,25	450,78	534,30
 Boss spacing 2935 mm	Water capacity/element in litres	2,79	4,03	5,29	6,53	7,79
	Weight when empty/element in kg	4,65	6,88	9,12	11,35	13,60