

---

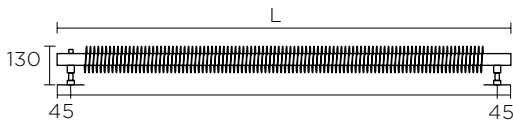
# RUNTAL FLOW FORM



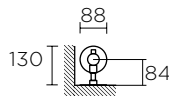
**runtal**

# RUNTAL FLOW FORM TECHNICAL SPECIFICATIONS

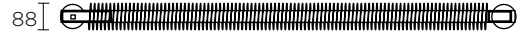
## CENTRAL HEATING VERSION



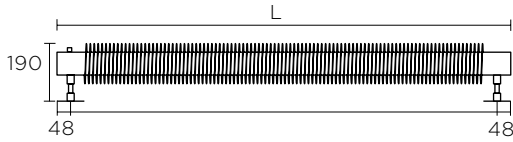
**FRONT VIEW**



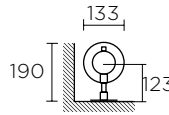
**SIDE VIEW**



**TOP VIEW**



**FRONT VIEW**

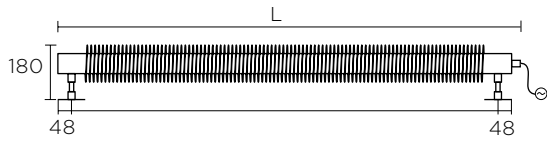


**SIDE VIEW**

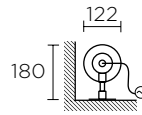


**TOP VIEW**

## ELECTRIC ONLY VERSION



**FRONT VIEW**



**SIDE VIEW**



**TOP VIEW**

- H Height (mm)
- L Width (mm)
- ⊙ Electric immersion

# RUNTAL FLOW FORM

## CENTRAL HEATING VERSION

Height 130 mm	Width mm	N mm	V dm <sup>3</sup>	M kg	n	P ΔT 50K Watt	Surface (Code)
FFR-100-008	1000	L+x	1.1	7	1.23	269	RAL9016 (0603)
FFR-100-008-BK	1000	L+x	1.1	7	1.23	269	Matt black (0433)
FFR-100-008-AR	1000	L+x	1.1	7	1.23	269	Silver (0431)
FFR-150-008	1500	L+x	1.6	11	1.23	413	RAL9016 (0603)
FFR-150-008-BK	1500	L+x	1.6	11	1.23	413	Matt black (0433)
FFR-150-008-AR	1500	L+x	1.6	11	1.23	413	Silver (0431)
FFR-200-008	2000	L+x	2.2	14	1.30	557	RAL9016 (0603)
FFR-200-008-BK	2000	L+x	2.2	14	1.30	557	Matt black (0433)
FFR-200-008-AR	2000	L+x	2.2	14	1.30	557	Silver (0431)

Height 190 mm	Width mm	N mm	V dm <sup>3</sup>	M kg	n	P ΔT 50K Watt	Surface (Code)
XFFR-100-013	1000	L+x	4.1	11	1.25	401	RAL9016 (0603)
XFFR-100-013-BK	1000	L+x	4.1	11	1.25	401	Matt black (0433)
XFFR-100-013-AR	1000	L+x	4.1	11	1.25	401	Silver (0431)
XFFRC-100-013	1000	L+x	4.1	11	1.25	352	Chrome (0790)
XFFR-150-013	1500	L+x	6.8	17	1.25	616	RAL9016 (0603)
XFFR-150-013-BK	1500	L+x	6.8	17	1.25	616	Matt black (0433)
XFFR-150-013-AR	1500	L+x	6.8	17	1.25	616	Silver (0431)
XFFRC-150-013	1500	L+x	6.8	17	1.25	542	Chrome (0790)
XFFR-200-013	2000	L+x	8.1	22	1.25	831	RAL9016 (0603)
XFFR-200-013-BK	2000	L+x	8.1	22	1.25	831	Matt black (0433)
XFFR-200-013-AR	2000	L+x	8.1	22	1.25	831	Silver (0431)
XFFRC-200-013	2000	L+x	8.1	22	1.25	731	Chrome (0790)

N: pipe centres, L: width, x: valves size, V: volume, M: weight, n: exponent, P ΔT 50K: EN442 output

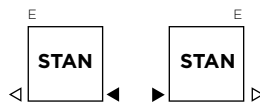
**ELECTRIC ONLY VERSION**

<b>Height 190 mm</b>	<b>Width mm</b>	<b>M kg</b>	<b>EP Watt</b>	<b>Surface (Code)</b>
YFFRE-100-012	1015	24	500	RAL9016 (0603)
YFFRE-100-012-BK	1015	24	500	Matt black (0433)
YFFRE-100-012-AR	1015	24	500	Silver (0431)
YFFREC-100-012	1015	24	500	Chrome (0790)
YFFRE-150-012	1515	36	750	RAL9016 (0603)
YFFRE-150-012-BK	1515	36	750	Matt black (0433)
YFFRE-150-012-AR	1515	36	750	Silver (0431)
YFFREC-150-012	1515	36	750	Chrome (0790)
YFFRE-200-012	2015	48	1000	RAL9016 (0603)
YFFRE-200-012-BK	2015	48	1000	Matt black (0433)
YFFRE-200-012-AR	2015	48	1000	Silver (0431)
YFFREC-200-012	2015	48	1000	Chrome (0790)

V: volume, M: weight, EP: electric power

## TECHNICAL DATA

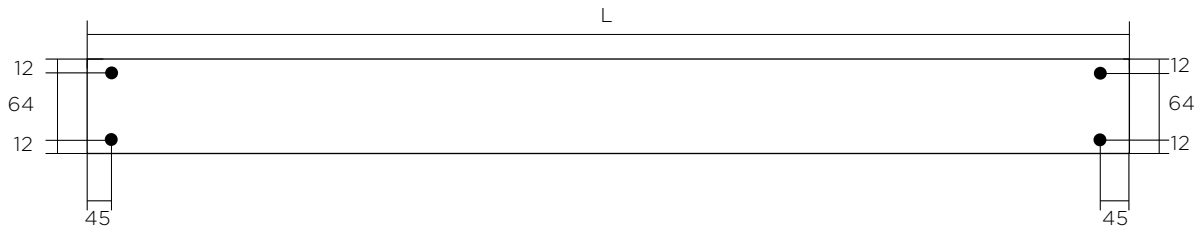
Materials	Tube and shaped blades in steel, chrome-plated (0790) or powder-coated in white RAL9016 (0603), matt black (0433) or silver (0431)
Operating pressure	Max. 8.0 bar
Test pressure	12 bar
Operating temperature	Max. 95 °C
Standard kit	2 feet in the same finish of radiator, screws and plugs and ½" vent included in the packaging
Connections	With standard Ø ½" connections with internal threading, the following types of connections are possible. Flow ► / return ◄ on the sides at choice on left- or right-hand, Ø ½" air vent (E)



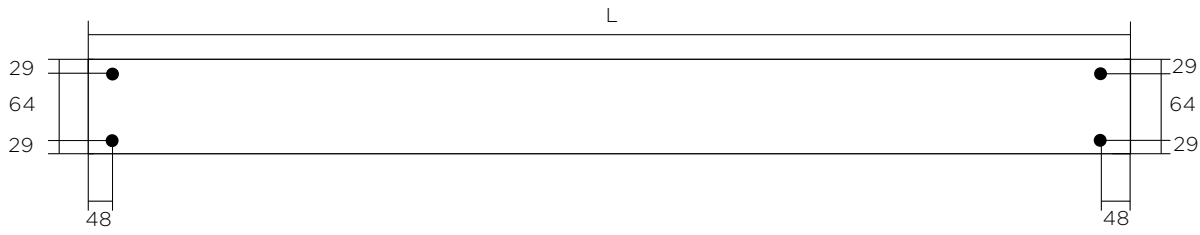
NB: The connection must be made in accordance with the required specifications

Single pipe systems	Not possible
Accessoires and Valves	As per ACCESSORIES price list
Electric-only model	Immersion heater 1x230 V, 50 Hz +/- 10%. Standard fitted in bottom left. 1.2 m power cable (3core) Degree of protection: Class I
Position of electrical connection	The electrical connection must be performed by an electrician in accordance with applicable regulations

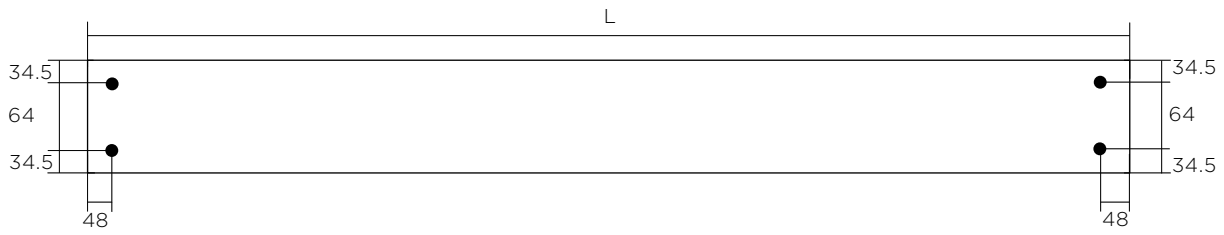
# RUNTAL FLOW FORM MOUNTING INSTRUCTIONS



**FFR**



**XFFR/XFFRC**



**YFFRE/YFFREC**

- L Width (mm)
- Fixing point

For correct radiator installation, please note the corresponding installation instructions



**ZEHNDER GROUP INTERNATIONAL SALES**

Almweg 34, DE-77933 Lahr  
T +49 7821 586-392, F +49 7821 586-406  
International.sales@zehndergroup.com  
www.runtal.com

A member company of the Zehnder Group.

