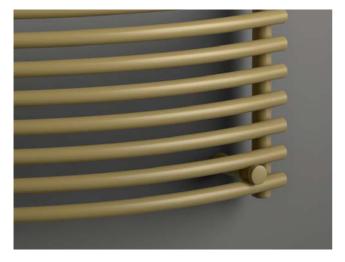


IKARIA RADIUS





Material	steel pipes Ø 28 mm / steel pipes Ø 22 mm
Connection thread	4 × G1/2"
Testing overpressure	1,3 MPa
Max. operating overpressure	1,0 MPa
Max. operating temperature	110 °C
Number of pipes	14, 24, 36







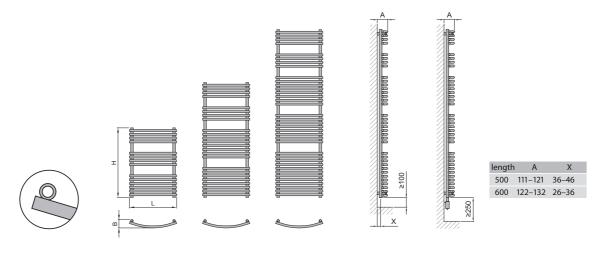






Type H/L [mm]	Depth B [mm]	Weight [kg]	Water capacity [I]	Temperature exponent [n]	75/65/20°C	Heating Outpo 70/55/20°C	ut 55/45/20°C	Recommen paint [W]	ded power input chrome [W]	Connection span [mm]
732/50 0	89	6,1	2,8	1,235	349	286	186	300	200	446
732/600	102	7,0	3,2	1,235	400	327	213	400	300	546
1212/500	89	10,4	4,7	1,235	593	485	316	600	400	446
1212/600	102	12,0	5,5	1,235	682	558	363	700	500	546
1772/500	89	15,5	7,1	1,235	878	718	467	900	600	446
1772/600	102	17,9	8,2	1,235	1018	833	542	1000	700	546

Thermal power measuring follows in accordance with EN 442. Chrome surface treatment reduces heating capacity by $\,\sim$ 30 %.



DIKR 0732 0500... DIKR 0732 0600... DIKR 1212 0500... DIKR 1212 0600... DIKR 1772 0500... DIKR 1772 0600...

IKARIA





Material	steel pipes \varnothing 28 mm / steel pipes \varnothing 22 mm
Connection thread	4 × G1/2"
Testing overpressure	1,3 MPa
Max. operating overpressure	1,0 MPa
Max. operating temperature	110 °C
Number of pipes	14, 24, 36











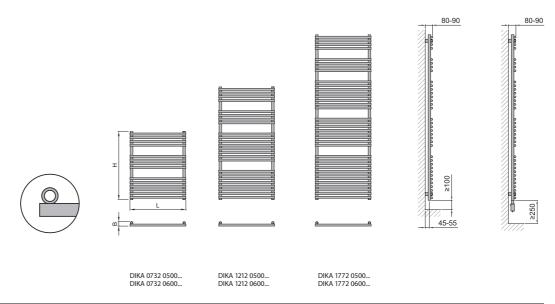






Type H/L [mm]	Depth B [mm]	Weight [kg]	Water capacity [I]	Temperature exponent [n]	75/65/20°C	Heating Outp 70/55/20°C	ut 55/45/20°C	Recommen paint [W]	ded power input chrome [W]	Connection span [mm]
732/50 0	48	6,1	2,7	1,187	337	278	184	300	200	464
732/600	48	7,0	3,2	1,187	389	321	212	400	300	564
1212 / 500	48	10,3	4,7	1,187	573	472	312	600	400	464
1212 / 60 0	48	11,8	5,4	1,187	663	547	362	700	500	564
1772 / 500	48	15,4	7,0	1,187	855	705	466	800	600	464
1772 / 600	48	17,7	8,1	1,187	989	815	539	1000	700	564

Thermal power measuring follows in accordance with EN 442. Chrome surface treatment reduces heating capacity by $\,\sim\!30~\%.$



IKARIA DOUBLE





Material	steel pipes \varnothing 28 mm / steel pipes \varnothing 22 mm
Connection thread	4 × G1/2"
Testing overpressure	1,3 MPa
Max. operating overpressure	1,0 MPa
Max. operating temperature	110 °C
Number of pipes	28, 48, 72









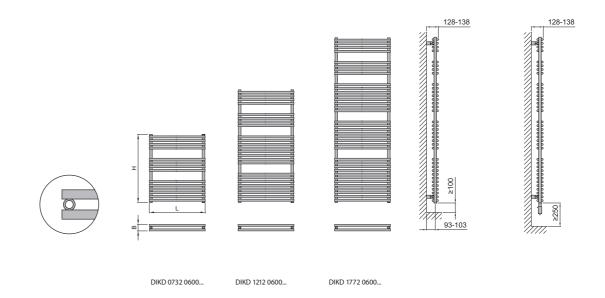






Type H/L [mm]	Depth B [mm]	Weight [kg]	Water capacity	Temperature exponent [n]	75/65/20°C	Heating Outpo	ut 55/45/20°C	Recommen	ded power input chrome [W]	Connection span [mm]
[111111]	[iiiiii]	[kg]	Lij	exponent [ii]	73/03/20 C	70/33/20 C	33/43/20 C	Pairit [vv]	Chronie [w]	span [mm]
732/600	68	12,4	5,7	1,141	591	461	330	600	-	564
1212 / 60 0	68	21,2	9,7	1,141	955	793	533	900	-	564
1772 / 600	68	31,8	14,6	1,141	1429	1187	798	1200	-	564

Thermal power measuring follows in accordance with EN 442.



GRENADA RADIUS





Material	steel profiles D30 \times 35 mm / steel pipes \varnothing 20mm
Connection thread	4 × G1/2"
Testing overpressure	1,3 MPa
Max. operating overpressure	1,0 MPa
Max. operating temperature	110 °C
Number of pipes	15, 19, 24, 32, 38











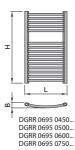




Type H/L	Depth B	Weight	Water capacity	Teplotní	75 (65 (2006	Heating Outp			ed power input	Connection
[mm]	[mm]	[kg]	[1]	exponent [n]	75/65/20°C	70/55/20°C	55/45/20°C	paint [W]	chrome [W]	span [mm]
695/450	58	5,3	2,5	1,275	302	245	157	300	200	415
695/50 0	66	5,7	2,7	1,275	331	269	173	300	200	465
695/600	86	6,6	3,1	1,275	389	316	203	400	300	565
695/750	75	7,9	3,6	1,275	470	382	245	500	300	715
935/450	58	7,1	3,4	1,271	396	322	207	400	300	415
935/500	66	7,7	3,6	1,271	434	353	227	400	300	465
935/60 0	86	8,9	4,1	1,271	510	415	266	500	400	565
935/750	75	10,6	4,9	1,271	627	510	328	600	400	715
1135 / 450	58	8,5	4,1	1,267	473	385	247	500	300	415
1135/500	66	9,2	4,4	1,267	518	422	271	500	400	465
1135/600	86	10,6	5	1,267	609	496	319	600	400	565
1135 / 750	75	12,7	5,9	1,267	753	613	394	700	500	715
1535/450	58	11,4	5,5	1,266	638	520	334	600	400	415
1535/500	66	12,3	5,9	1,266	700	570	367	700	500	465
1535/600	86	14,2	6,7	1,266	823	670	431	800	600	565
1535/750	75	17,0	7,9	1,266	1007	819	527	1000	700	715
1775 / 450	58	13,4	6,4	1,263	759	618	398	700	500	415
1775 / 500	66	14,5	6,9	1,263	832	678	436	800	600	465
1775 / 600	86	16,7	7,8	1,263	978	796	513	1000	700	565
1775 / 750	75	20,1	9,3	1,263	1189	968	623	1200	800	715

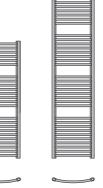
Thermal power measuring follows in accordance with EN 442. Chrome surface treatment reduces heating capacity by ~ 30 %.





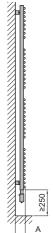


DGRR 1135 0450... DGRR 1135 0500... DGRR 1135 0600... DGRR 1135 0750... DGRR 0935 0450... DGRR 0935 0500... DGRR 0935 0600... DGRR 0935 0750...



DGRR 1535 0450... DGRR 1535 0500... DGRR 1535 0600... DGRR 1535 0750...





length	Α	Χ
450	103-113	61-71
500	104-114	54-64
600	103-113	32-42
750	121-131	62-72

GRENADA



84-94

69-79



steel profiles D30 \times 35 mm / steel pipes \varnothing 20mm
4 × G1/2"
1,3 MPa
1,0 MPa
110 °C
15, 19, 24, 32, 38













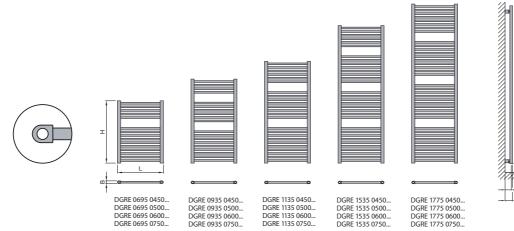






Type H/L [mm]	Depth B [mm]	Weight [kg]	Water capacity [I]	Teplotní exponent [n]	75/65/20°C	Heating Outp	ut 55/45/20°C	Recommend paint [W]	ed power input chrome [W]	Connection span [mm]
695/450	30	5,2	2,5	1,270	298	242	156	300	200	415
695/50 0	30	5,6	2,7	1,270	327	266	171	300	200	465
695/600	30	6,5	3,0	1,270	384	312	201	400	300	565
695/750	30	7,9	3,6	1,226	462	379	247	500	300	715
935/450	30	7,0	3,3	1,269	391	318	204	400	300	415
935/500	30	7,5	3,6	1,269	429	349	224	400	400	465
935/60 0	30	8,7	4,1	1,269	504	410	264	500	400	565
935/750	30	10,5	4,8	1,269	612	498	320	600	500	715
1135 / 450	30	8,4	4,0	1,269	467	380	244	500	300	415
1135 / 500	30	9,0	4,3	1,269	512	417	268	500	400	465
1135 / 600	30	10,4	4,9	1,269	602	490	315	600	400	565
1135 / 750	30	12,6	5,7	1,226	742	608	396	700	500	715
1535/450	30	11,2	5,4	1,268	632	514	331	600	400	415
1535/500	30	12,1	5,8	1,268	693	564	363	700	500	465
1535/600	30	13,9	6,5	1,268	815	663	427	800	600	565
1535/750	30	16,9	7,7	1,226	991	812	530	1000	700	715
1775/450	30	13,1	6,3	1,267	739	601	387	700	500	415
1775/500	30	14,2	6,8	1,267	810	659	424	800	600	465
1775/600	30	16,4	7,7	1,267	952	775	498	1000	700	565
1775/750	30	19,9	9,1	1,226	117 0	959	625	1200	800	715

Thermal power measuring follows in accordance with EN 442. Chrome surface treatment reduces heating capacity by $\,\sim$ 30 %.





GENERAL INFORMATION ON ISAN RADIATORS



Radiator heating bodies being usually made of steel profiles and tubes are constructed for bathroom and living room heating as well as for operation in all heating systems of housing and series constructions using only treated water as heating medium in forced circulation.

SURFACE TREATMENT

The procedure of surface treatment follows under a strict respect to environmental regulations. The aim is to ensure long-term corrosion resistance, mechanical ruggedness and hygienic compatibility. Radiators ground with sand blast and degreased have been coated with iron phosphate and varnish.

Finish coat is fired powder epoxy-polyester varnish in standard shape snow-white, RAL 9016. For other surcharged shades, see ISAN Colour Atlas. Chromium-plate is only possible in marked types. Chrome coat has been applied on a finished product by the way of electro plating.

PACKING & INSTALLATION

The assembling kit contains elements for installation on the wall and assembly instructions. Radiator anchoring follows by means of consoles in 3 or 4 points. Kit elements: concrete number of consoles, 1 air release valve, 1 dummy plug, screws and masonry expanding plugs in number complying with consoles. Radiators are packed in three-layer- cardboard-cases with plastic corner protection and fixed by shrink foil. Heaters equipped with electric bar bearing an electronic regulator have special packing eliminating a damage of the regulator plastic case.

PERIOD OF RISK

The warranty applies to malfunctions and faults, which have appeared within the period of risk. The period of risk for all radiator variants (varnish, chrome, stainless steel) amounts to five (5) years from the date of delivery. The period of risk for electric bar bearing an electronic regulator amounts to two (2) years from the

purchase date. Repairs of electric heaters within the period of risk shall only be performed in a place agreed upon.

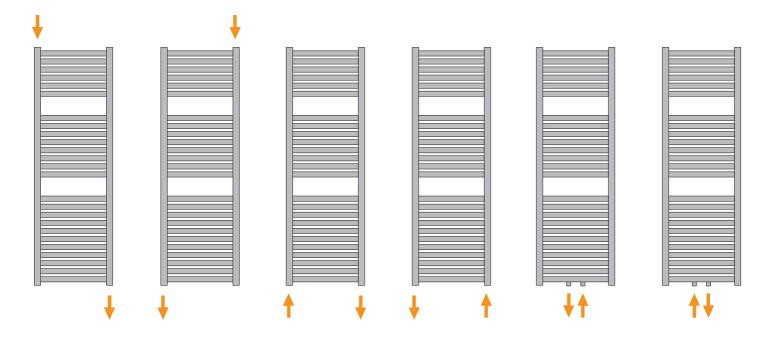
CUSTOMER LOOSES ANY CLAIM FOR WARRANTY SERVICE IN CASE THAT THE HEATING BODY WAS

- installed in a building, facility or room with high humidity, such as public WC, car washing room, stable, cowshed, indoor swimming pool and the like;
- stored outdoor or under a temperature lower than -5°C;
- damaged by inside corrosion due to unsuitable chemical composition of the heating medium, having caused a leaking;
- deformed due to inappropriate transport or exceeding of working pressure maximum;
- damaged mechanically or due to inappropriate handling by customer or carrier;
- damaged willingly or when defaults appeared due to a natural disaster or other impact:
- used and kept in operation in spite of the claimed default, whereas the usage of so faulty product has inflicted the state thereof in so far that the claimed default cannot be assessed accordingly;
- unprofessionally installed or when a modification has followed without prior seller's consent;
- used for other than the intended purpose, such as for drying of wet textiles directly
 on the convector body, which has lead to damage of the surface treatment;
- damaged by using of unsuitable cleaners, not recommended for the given radiator surface;
- purchased against a reduced price due to a default, the customer was noticed of.

Any warranty claim shall be refused, if the Warranty Certificate is not filled in, shows unauthorized changes or is not available. The warranty does not apply to unordinary wear and tear. If no default caused by the manufacturer is found out, the warranty conditions are taken as unfulfilled and costs connected with experts' travel shall be borne by customer. Products being the objects of claim and sent to manufacturer by postal service shall be possibly delivered in original packing or dully packed, to eliminate any further damage due to transportation. Damages caused by such transportation of a claimed product shall not be taken in consideration.

HEATING POWER & CONNECTION

Heating power changes in dependence on heater's interconnection in the heating system. Lower connection downwards decreases heating power by ~ 10 %, upper connection upwards should be totally eliminated. Heating power also changes in dependence on heater's placing (e.g. when installed in other than peripheral wall), position or using of coverings and different window sills. Chromium-plate as surface treatment reduces heating power by nearly ~ 30 %. Connection alternations are available as per special orders



REGULATION UNITS



MINI and FORTE thermostats are attached to the heating rod and are set after the radiators are installed with heating rods. TVR1 is inserted with the heating rod and is installed together with the radiator.

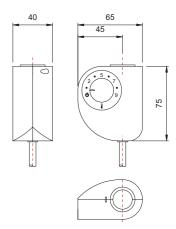
MINI

A basic heat regulator with a thermostat. The dial is used to regulate the temperature to between 7 and 35°C. In the lowest position the thermostat is deactivated, in the highest position it is constantly on. Installation on the lower right conductor (on the left for KORO, KORO EXTRA).

TECHNICAL DATA:

WORKING VOLTAGE: 230V/50 Hz
Max. Output of the heating rod
Protection category:
PROTECTION: IPX4
Working temperature 0-50 °C
Working humidity: $0-85\%$ (without condensation)
TEMPERATURE RANGE 15–30 °C
Connection thread $G1/2"$ outer (on the heating rod)
CONNECTION : STRAIGHT ELECTRIC FLEX 120 CM ENDED BY PLUG
COLOR:W HITE (W HITE FLEX)
Silver (G rey flex)
ZONE:





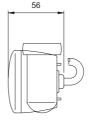
FORTE

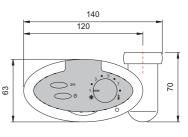
A basic heat regulator with a thermostat. The dial is used to regulate the temperature to between 7 and 35°C. In the lowest position the thermostat is deactivated, in the highest position it is constantly on. Installation on the lower right conductor (on the left for KORO, KORO EXTRA).

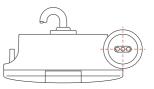
TECHNICAL DATA:

W ORKING VOLTAGE:
MAX. OUTPUT OF THE HEATING ROD
PROTECTION CATEGORY:
PROTECTION: IPX4
WORKING TEMPERATURE 0-50 °C
Working Humidity: $0-85\%$ (without condensation)
TEMPERATURE RANGE 7 °C, 15–30 °C
Connection thread $G1/2''$ outer (on the heating rod)
CONNECTION : STRAIGHT ELECTRIC FLEX 120 CM ENDED BY PLUG
COLOR:W HITE (W HITE FLEX)
SILVER (G REY FLEX)
ZONE:









TVR1

Thermostat with a multifunction button and a dial for setting temperatures from 18 to 25°C. The thermostat is activated by pressing the button for 3 seconds. The required regime is set by pressing the button again as follows: Komfort – LED is green

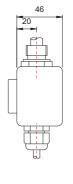
Timer – thermostat is set for 2 hours at full power – LED is red along with the HEATING LED, then it returns to its original setting Economy – the LED flashes green, it will heat approx. 3.5°C less than the dial setting.

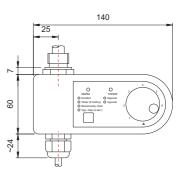
The HEATING diode is red whilst the rod is heating the heating medium. The thermostat is deactivated by pressing the button for 3 seconds. Installation on the lower left of the conductor (on the right for KORO, KORO EXTRA).

TECHNICAL DATA:

W ORKING VOLTAGE:
Max. Output of the heating rod
PROTECTION CATEGORY:
PROTECTION: IP44
WORKING TEMPERATURE 0-50 °C
Working humidity: $0-85\%$ (without condensation)
Temperature range 18–25 °C
Connection thread: $G1/2$ " outer (on the heating rod)
CONNECTION : STRAIGHT ELECTRIC FLEX 120 CM ENDED BY PLUG
COLOR:W HITE (W HITE FLEX)
ZONE:









ELECTRICAL CONNECTIONS



The chosen type of radiator marked with a symbol zan be operated as a separate electric or combined heating radiator. The radiator is fitted with a heating rod of the appropriate output and a regulation unit.

ELECTRIC RADIATORS

Electric radiators come with a preinstalled heating rod, the radiator is filled with anti-corrosive antifreeze fluid (effective up to -5 °C) and is tested and sealed. The radiator can be used immediately after being purchased and correctly installed.

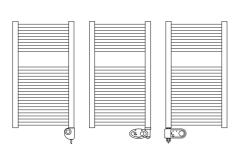
COMBINED RADIATORS

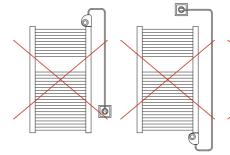
The radiator comes with the basic apparatus. The heating rod and thermostat are enclosed. The unit includes a chrome T-piece for connection to the heating system. The thermostatic valve is installed on the opposite side to the thermostat. When operated electrically it is necessary to close the thermostatic valve so the hot water does not leak into the heating system.

PROPORTIONING THE HEATING ROD

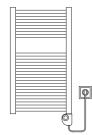
The proportion of the heating rod is as close as possible to the power in the heating system at temperatures of 75/65/20°C.

PROPORTIONING THE HEATING ROD









LOCATION OF THE ELECTRIC RADIATOR IN THE BATHROOM

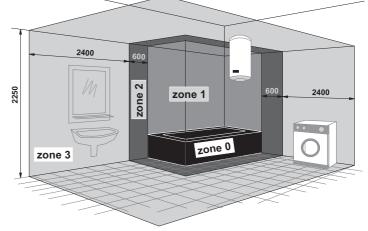
zone 2 and 3

Electric bathroom radiators and combined heating radiators shall be positioned in zones 2 and 3 (in accordance with EN norms). Electric radiator can be connected only to nominal voltage 230 V 50/60 Hz to corresponding socket in compliance with EN norms.

Radiators fitted with individual rods can be placed as high as the given protection zones allow:

MINI protection IPX4 zone 3

FORTE protection IPX4 zone 3



BASIC RULES FOR INSTALLATION AND USING ELECTRIC AND COMBINED RADIATORS

- The thermostat must be installed in a vertical position with the mains line attached from below
- The output of the heating rod is selected based on the recommendations for the individual radiator. The use of heating rods with a higher output does not increase the thermal output, on the contrary it shortens its lifespan
- The radiator binding plugs must not be loosened

protection IP44

TVR1

- Radiators intended for bathrooms must be installed so that persons in the bath or shower cannot touch the contact makers or other control appliances. Incorrect installation could damage the appliance or cause electric shock or burns
- The radiator must not be placed directly below a plug socket. The suitability of the plug socket should be tested by a professional electrician
- The radiator must be installed at least 25 cm from the floor.
- · The relevant national legislation should be observed when assembling the radiator outside of the Czech Republic.
- Thermostats are connected to the 230V 50Hz electrical mains using a movable terminal with a plug and normalized socket installed pursuant to ČSN. The appliance must be protected by a (differential) fuse with a 30 mA release current.
- Protection against electric shock must be provided pursuant to national legislation
- · Should the appliance be permanently attached to the mains a circuit breaker must be fitted to the thermostat terminal and be accessible for servicing.
- $\bullet \quad \text{Connection to the electrical mains and testing of correct installation must be performed by a professional electrician.}$

ISAN REFERENCE COLOUR ATLAS



color line:	RAL9016		color line:	RAL9010		color line:	RAL9001	
tint:	snow-white		tint	white		tint	ivory	
	SHOW-WITE			Wille			ivory	
surface:	-		surface:	-		surface:	-	
extra charge:	-		extra charge:	-		extra charge:	10 %	
ordering code:	01		ordering code:	02		ordering code:	04	
								CONTRACTOR DE LA CONTRA
color line:	RAL1015		color line:	S09		color line:	S08	
tint:	jasmín		tint:	snow-white		tint	ivory	
surface:	-		surface:	texture		surface:	texture	
extra charge:	10 %		extra charge:	20 %		extra charge:	20%	
ordering code:	12		ordering code:	68			67	
ordering code:	12		ordering code:	00		ordering code:	07	
color line:	S07		color line:	S06		color line:	S04	
tint:	bamboo		tint:	sunshine		tint	gold	
surface:	-		surface:			surface:	metallic	The state of the state of
				texture				
extra charge:	20 %		extra charge:	20 %		extra charge:	30 %	SELPRICE PLANTS
ordering code:	66	The second second second	ordering code:	65		ordering code:	63	Service Control
		and the second second						
color line	C10	ASSESSMENT SERVE	color line	C16		colorling	C17	STATES OF STREET
color line:	S18		color line:	S16	The state of the	color line:	S17	
tint:	curry		tint	chilli		tint:	firebrick	
surface:	texture		surface:	-		surface:	texture	
extra charge:	20 %		extra charge:	20 %		extra charge:	20 %	
ordering code:	77		ordering code:	75		ordering code:	76	
ordering code.	- / /		oracing code.	7.5	100	oracining code.	70	是 。2015年11日本主任
color line:	S13		color line:	S14	A STATE OF THE STA	color line:	RAL6019	
tint:	sandstone		tint	rush		tint:	pistachio	1 To 1 To 1 To 1
surface:	texture		surface:	texture		surface:	-	
extra charge:	20 %		extra charge:	20 %		extra charge:	10 %	
ordering code:	72		ordering code:	73		ordering code:	45	
		CHARLESTANDA			CERTAIN STAFFFEE			
color line:	S12		color line:	S11		color line:	S15	W 4 7 1 1 5 5 5 5
					L X X X X X X X X X X X X X X X X X X			STEPPED IN
tint	ice		tint:	blue sky		tint:	steel blue	
surface:	texture		surface:	-	9 1 N. SEE CO. 1981	surface:	-	BALL NOT THE
extra charge:	20 %		extra charge:	20 %	On the Contract of	extra charge:	20 %	
ordering code:	71		ordering code:	70	5 C 450 V	ordering code:	74	
			3		11-25-010	3		
								and the second
I P	520		and an Para	602	Maria Laboratoria	and an Pro-	C10	STATE OF THE OWNER.
	S20		color line:	S03		color line:	S19	
color line:				copper	CONTRACTOR OF THE PROPERTY OF			
tint:	transparent lack		tint:	соррсі	WHITE THE STREET STREET	tint	brass	CONTRACTOR OF THE PARTY OF THE
	transparent lack			metallic	细线是显示。	tint surface:	brass	
tint: surface:	-		tint: surface:	metallic		surface:	-	
tint: surface: extra charge:	- 20 %		tint: surface: extra charge:	metallic 30 %		surface: extra charge:	- 20 %	
tint: surface:	-		tint: surface:	metallic		surface:	-	
tint: surface: extra charge:	- 20 %		tint: surface: extra charge:	metallic 30 %		surface: extra charge:	- 20 %	
tint: surface: extra charge: ordering code:	- 20 % 84		tint: surface: extra charge: ordering code:	metallic 30 % 62		surface: extra charge: ordering code:	- 20 % 83	
tint: surface: extra charge: ordering code: color line:	- 20 % 84		tint: surface: extra charge: ordering code: color line:	metallic 30 % 62		surface: extra charge: ordering code: color line:	- 20 %	
tint: surface: extra charge: ordering code:	- 20 % 84		tint: surface: extra charge: ordering code:	metallic 30 % 62		surface: extra charge: ordering code:	- 20 % 83	
tint: surface: extra charge: ordering code: color line:	- 20 % 84		tint: surface: extra charge: ordering code: color line:	metallic 30 % 62		surface: extra charge: ordering code: color line:	- 20 % 83 RAL9006	
tint: surface: extra charge: ordering code: color line: tint: surface:	20 % 84 S01 aluminium metallic		tint: surface: extra charge: ordering code: color line: tint: surface:	metallic 30 % 62 S05 silver metallic		surface: extra charge: ordering code: color line: tint surface:	- 20 % 83 RAL9006 grey	
tint: surface: extra charge: ordering code: color line: tint: surface: extra charge:	S01 aluminium metallic 30 %		tint: surface: extra charge: ordering code: color line: tint surface: extra charge:	metallic 30 % 62 S05 silver metallic 30 %		surface: extra charge: ordering code: color line: tint surface: extra charge:	- 20 % 83 RAL9006 grey - 10 %	
tint: surface: extra charge: ordering code: color line: tint: surface:	20 % 84 S01 aluminium metallic		tint: surface: extra charge: ordering code: color line: tint: surface:	metallic 30 % 62 S05 silver metallic		surface: extra charge: ordering code: color line: tint surface:	- 20 % 83 RAL9006 grey	
tint: surface: extra charge: ordering code: color line: tint: surface: extra charge:	S01 aluminium metallic 30 %		tint: surface: extra charge: ordering code: color line: tint surface: extra charge:	metallic 30 % 62 S05 silver metallic 30 %		surface: extra charge: ordering code: color line: tint surface: extra charge:	- 20 % 83 RAL9006 grey - 10 %	
tint: surface: extra charge: ordering code: color line: tint: surface: extra charge:	S01 aluminium metallic 30 % 60		tint: surface: extra charge: ordering code: color line: tint surface: extra charge:	metallic 30 % 62 S05 silver metallic 30 %		surface: extra charge: ordering code: color line: tint surface: extra charge:	- 20 % 83 RAL9006 grey - 10 %	
tint: surface: extra charge: ordering code: color line: tint: surface: extra charge:	S01 aluminium metallic 30 %		tint: surface: extra charge: ordering code: color line: tint surface: extra charge:	metallic 30 % 62 S05 silver metallic 30 %		surface: extra charge: ordering code: color line: tint surface: extra charge:	- 20 % 83 RAL9006 grey - 10 %	
tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code:	S01 aluminium metallic 30 % 60 RAL7024		tint: surface: extra charge: ordering code: color line: tint surface: extra charge: ordering code:	metallic 30 % 62 S05 silver metallic 30 % 64		surface: extra charge: ordering code: color line: tint surface: extra charge: ordering code: color line:	- 20 % 83 RAL9006 grey - 10 % 20	
tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint:	S01 aluminium metallic 30 % 60		tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint:	metallic 30 % 62 S05 silver metallic 30 % 64		surface: extra charge: ordering code: color line: tint surface: extra charge: ordering code: color line: tint	- 20 % 83 RAL9006 grey - 10 % 20	
tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface:	S01 aluminium metallic 30 % 60 RAL7024 dark grey		tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface:	metallic 30 % 62 S05 silver metallic 30 % 64 RAL8017 chocolate		surface: extra charge: ordering code: color line: tint surface: extra charge: ordering code: color line: tint surface:	- 20 % 83 RAL9006 grey - 10 % 20	
tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: extra charge:	S01 aluminium metallic 30 % 60 RAL7024 dark grey - 10 %		tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code:	metallic 30 % 62 S05 silver metallic 30 % 64 RAL8017 chocolate - 10 %		surface: extra charge: ordering code: color line: tint surface: extra charge: ordering code: color line: tint surface: extra charge:	- 20 % 83 RAL9006 grey - 10 % 20 S10 slate texture 20 %	
tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface:	S01 aluminium metallic 30 % 60 RAL7024 dark grey		tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface:	metallic 30 % 62 S05 silver metallic 30 % 64 RAL8017 chocolate		surface: extra charge: ordering code: color line: tint surface: extra charge: ordering code: color line: tint surface:	- 20 % 83 RAL9006 grey - 10 % 20	
tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: extra charge: color line: tint: surface: extra charge:	S01 aluminium metallic 30 % 60 RAL7024 dark grey - 10 %		tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code:	metallic 30 % 62 S05 silver metallic 30 % 64 RAL8017 chocolate - 10 %		surface: extra charge: ordering code: color line: tint surface: extra charge: ordering code: color line: tint surface: extra charge:	- 20 % 83 RAL9006 grey - 10 % 20 S10 slate texture 20 %	
tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: extra charge:	S01 aluminium metallic 30 % 60 RAL7024 dark grey - 10 %		tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code:	metallic 30 % 62 S05 silver metallic 30 % 64 RAL8017 chocolate - 10 %		surface: extra charge: ordering code: color line: tint surface: extra charge: ordering code: color line: tint surface: extra charge:	- 20 % 83 RAL9006 grey - 10 % 20 S10 slate texture 20 %	
tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code:	- 20 % 84 S01 aluminium metallic 30 % 60 RAL7024 dark grey - 10 % 39		tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code:	metallic 30 % 62 S05 silver metallic 30 % 64 RAL8017 chocolate - 10 % 46		surface: extra charge: ordering code: color line: tint surface: extra charge: ordering code: color line: tint surface: extra charge:	- 20 % 83 RAL9006 grey - 10 % 20 S10 slate texture 20 %	
tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code:	- 20 % 84 S01 aluminium metallic 30 % 60 RAL7024 dark grey - 10 % 39		tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code:	metallic 30 % 62 S05 silver metallic 30 % 64 RAL8017 chocolate - 10 % 46 RAL9005		surface: extra charge: ordering code: color line: tint surface: extra charge: ordering code: color line: tint surface: extra charge:	- 20 % 83 RAL9006 grey - 10 % 20 S10 slate texture 20 %	
tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code:	- 20 % 84 S01 aluminium metallic 30 % 60 RAL7024 dark grey - 10 % 39 S02 anthracit		tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code:	metallic 30 % 62 S05 silver metallic 30 % 64 RAL8017 chocolate - 10 % 46		surface: extra charge: ordering code: color line: tint surface: extra charge: ordering code: color line: tint surface: extra charge:	- 20 % 83 RAL9006 grey - 10 % 20 S10 slate texture 20 %	
tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code:	- 20 % 84 S01 aluminium metallic 30 % 60 RAL7024 dark grey - 10 % 39 S02 anthracit metallic		tint: surface: extra charge: ordering code: color line: tint surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code:	metallic 30 % 62 S05 silver metallic 30 % 64 RAL8017 chocolate - 10 % 46 RAL9005 black -		surface: extra charge: ordering code: color line: tint surface: extra charge: ordering code: color line: tint surface: extra charge:	- 20 % 83 RAL9006 grey - 10 % 20 S10 slate texture 20 %	
tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code:	S01 aluminium metallic 30 % 60 RAL7024 dark grey 10 % 39 S02 anthracit metallic 30 %		tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code:	metallic 30 % 62 S05 silver metallic 30 % 64 RAL8017 chocolate - 10 % 46 RAL9005 black - 10 %		surface: extra charge: ordering code: color line: tint surface: extra charge: ordering code: color line: tint surface: extra charge:	- 20 % 83 RAL9006 grey - 10 % 20 S10 slate texture 20 %	
tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code:	- 20 % 84 S01 aluminium metallic 30 % 60 RAL7024 dark grey - 10 % 39 S02 anthracit metallic		tint: surface: extra charge: ordering code: color line: tint surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code:	metallic 30 % 62 S05 silver metallic 30 % 64 RAL8017 chocolate - 10 % 46 RAL9005 black -		surface: extra charge: ordering code: color line: tint surface: extra charge: ordering code: color line: tint surface: extra charge:	- 20 % 83 RAL9006 grey - 10 % 20 S10 slate texture 20 %	
tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code:	S01 aluminium metallic 30 % 60 RAL7024 dark grey 10 % 39 S02 anthracit metallic 30 %		tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code:	metallic 30 % 62 S05 silver metallic 30 % 64 RAL8017 chocolate - 10 % 46 RAL9005 black - 10 %		surface: extra charge: ordering code: color line: tint surface: extra charge: ordering code: color line: tint surface: extra charge:	- 20 % 83 RAL9006 grey - 10 % 20 S10 slate texture 20 %	
tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code:	S01 aluminium metallic 30 % 60 RAL7024 dark grey 10 % 39 S02 anthracit metallic 30 %		tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code:	metallic 30 % 62 S05 silver metallic 30 % 64 RAL8017 chocolate - 10 % 46 RAL9005 black - 10 %		surface: extra charge: ordering code: color line: tint surface: extra charge: ordering code: color line: tint surface: extra charge:	- 20 % 83 RAL9006 grey - 10 % 20 S10 slate texture 20 %	
tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code:	S01 aluminium metallic 30 % 60 RAL7024 dark grey 10 % 39 S02 anthracit metallic 30 %		tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code:	metallic 30 % 62 S05 silver metallic 30 % 64 RAL8017 chocolate - 10 % 46 RAL9005 black - 10 %		surface: extra charge: ordering code: color line: tint surface: extra charge: ordering code: color line: tint surface: extra charge:	- 20 % 83 RAL9006 grey - 10 % 20 S10 slate texture 20 %	
tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code:	S01 aluminium metallic 30 % 60 RAL7024 dark grey 10 % 39 S02 anthracit metallic 30 %		tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code:	metallic 30 % 62 S05 silver metallic 30 % 64 RAL8017 chocolate - 10 % 46 RAL9005 black - 10 %		surface: extra charge: ordering code: color line: tint surface: extra charge: ordering code: color line: tint surface: extra charge:	- 20 % 83 RAL9006 grey - 10 % 20 S10 slate texture 20 %	
tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code:	S01 aluminium metallic 30 % 60 RAL7024 dark grey 10 % 39 S02 anthracit metallic 30 %		tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code:	metallic 30 % 62 S05 silver metallic 30 % 64 RAL8017 chocolate - 10 % 46 RAL9005 black - 10 %		surface: extra charge: ordering code: color line: tint surface: extra charge: ordering code: color line: tint surface: extra charge:	- 20 % 83 RAL9006 grey - 10 % 20 S10 slate texture 20 %	
tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code:	- 20 % 84 S01 aluminium metallic 30 % 60 RAL7024 dark grey - 10 % 39 S02 anthracit metallic 30 % 61		tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code:	metallic 30 % 62 S05 silver metallic 30 % 64 RAL8017 chocolate - 10 % 46 RAL9005 black - 10 % 19		surface: extra charge: ordering code: color line: tint surface: extra charge: ordering code: color line: tint surface: extra charge: ordering code:	- 20 % 83	
tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: CHROME: same price like c	S01 aluminium metallic 30 % 60 RAL7024 dark grey 10 % 39 S02 anthracit metallic 30 % 61 satin chrome		tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code:	metallic 30 % 62 S05 silver metallic 30 % 64 RAL8017 chocolate - 10 % 46 RAL9005 black - 10 % 19 stainless steel with		surface: extra charge: ordering code: color line: tint surface: extra charge: ordering code: color line: tint surface: extra charge: ordering code:	- 20 % 83	
tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code:	- 20 % 84 S01 aluminium metallic 30 % 60 RAL7024 dark grey - 10 % 39 S02 anthracit metallic 30 % 61		tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code:	metallic 30 % 62 S05 silver metallic 30 % 64 RAL8017 chocolate - 10 % 46 RAL9005 black - 10 % 19 stainless steel with diator types		surface: extra charge: ordering code: color line: tint surface: extra charge: ordering code: color line: tint surface: extra charge: ordering code:	- 20 % 83	
tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: CHROME: same price like c	S01 aluminium metallic 30 % 60 RAL7024 dark grey 10 % 39 S02 anthracit metallic 30 % 61 satin chrome		tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code: color line: tint: surface: extra charge: ordering code:	metallic 30 % 62 S05 silver metallic 30 % 64 RAL8017 chocolate - 10 % 46 RAL9005 black - 10 % 19 stainless steel with		surface: extra charge: ordering code: color line: tint surface: extra charge: ordering code: color line: tint surface: extra charge: ordering code:	- 20 % 83	

ABOUT ISAN



Isan Radiátory s.r.o. is the biggest manufacturer of bathroom tubular radiators in the Czech Republic, exporting about 90% of its production, supplying mainly the European Community markets. ISAN trade mark represents a traditional supplier with over 50 years' experience delivering a broad range of ISAN MELODY bathroom and design radiators, ISAN EXACT radiating convectors and lamellar radiators, ISAN EXACT ECOLITE convectors with lamellar exchangers, ISAN TERMO and ISAN OPLFLEX floor convectors, ISAN ATOL element radiators and ISAN SPIRAL finned tube radiators. Top modern technological procedures and progressive thinking of the Company's staff guarantee design and technical parameters of the best quality. ISAN is a specialist for manufacturing of radiators tailored to customer's needs and wishes.

ISAN's policy is primarily focused to customer's satisfaction. Ecological processing with greatest respect to environmental protection is taken for granted. The Company has introduced and maintains Quality Management System as per the ISO 9001:2008 standard. All the heating bodies comply with certification demands according to the actual rigorous legislative standards applicable in the supplied countries. Certification procedure for territory of the Czech Republic was performed by Strojírenský zkušební ústav (Engineering Testing Institute), Brno, a notificated body ES1015.









Kan kombineras med etthålsventil från MMA

Användningsområden

RFA 38/VBB används till radiatorer, konvektorer och handdukstorkar. OBS! används ej på VVC-system.

Ventilerna kan regleras med termostat eller handratt M28x1,5 (se flik 2).

Beskrivning

RFA 38 har dold förinställning under packboxen. Injustering av 2-rörssystem görs med nyckel FN2 eller förinställningsverktyg FV5 (se baksidan). Ventilen har anslutning M22x1,5 mot rörsystemet. Insticksnippelns anslutning mot radiatorn är R1/2". Ventilen levereras som 2-rörsventil men kan ställas om till 1-rörs. Tag då bort den blå plastproppen från by-passventilen och skruva ut käglan med en 2,5 mm insexnyckel. Med by-passventilen ställer man in fördelningen mellan radiatorn och by-pass (se baksidan). Ventilens retur stängs av med en spindel under locket och tilloppet stängs av med termostat eller handratt.

Vid avstängning stängs inte by-passen.

Måttuppgifter

A c/c

RFA 38 58 40

Teknisk data

Tryckklass

PN10

Max differenstryck (stängningstryck)

150 kPa

Max vattentemperatur

100° C

Min vattentemperatur

0°C

Material

Mässing, EPDM-gummi, rostfritt stål

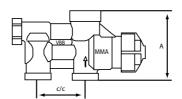
Vid 2-rörs

K_V-värde K_{VS}-värde

0,01-0,7 1,2

Vikt 350 g





THE FOLLOWING SYMBOLS REPRESENT



radiator to be connected to central heating system



combined heating radiators can also be used for connection to central heating system and also for electric heating



electric radiator



middle connection option (if not covered in the standard version)



optional chrome surface treatment design



accessories



side connection



bevelling



one-sided spatial fixing