

Danfoss RA2000

Danfoss RA2000 Thermostatic Operator User Manual

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Danfoss RA2000 Thermostatic Operator. The RA2000 is designed to regulate room temperature by controlling the flow of hot water through a radiator, contributing to energy efficiency and comfort in your living or working space.

2. SAFETY INFORMATION

- Read all instructions carefully before installation and use to ensure proper function and safety.
- Ensure power to the heating system is disconnected before performing any installation or maintenance work.
- Installation should be performed by a qualified professional if you are unsure about any steps.
- Do not attempt to modify the device. Any unauthorized modifications may void the warranty and pose safety risks.

3. PRODUCT OVERVIEW

The Danfoss RA2000 is a self-acting thermostatic radiator valve operator equipped with a built-in sensor and a user-friendly dial for precise temperature adjustment. It is designed to provide individual room temperature control, enhancing comfort and reducing energy consumption.



This image displays the Danfoss RA2000 Thermostatic Operator. It features a white cylindrical body with a numbered dial (from 1 to 5) for temperature settings and the Danfoss logo. The rear part, which connects to the valve, is grey.

4. SETUP AND INSTALLATION

The RA2000 operator is designed for straightforward mounting onto compatible Danfoss RA series valve bodies. Follow these general steps for installation:

1. **Preparation:** Ensure the valve body on the radiator is clean and free from any debris or old sealant.
2. **Alignment:** Align the RA2000 operator with the valve body. The operator typically has a specific orientation to ensure proper engagement.
3. **Mounting:** Secure the operator onto the valve body. This usually involves a simple click-on mechanism or a threaded connection. For threaded connections, hand-tighten the operator until it is firm. Do not overtighten, as this may damage the unit or the valve body.
4. **Verification:** Once installed, gently try to rotate the operator to ensure it is securely attached and does not wobble.

For detailed instructions specific to your valve body, please refer to the documentation provided with the valve.

5. OPERATING INSTRUCTIONS

The RA2000 operator allows you to set your desired room temperature using the numbered dial on its front face.

- **Temperature Adjustment:** Rotate the dial to the desired setting. The numbers on the dial correspond to different temperature levels.
- **Settings:**
 - Setting '1' typically represents a frost protection setting, maintaining a minimum temperature (e.g., 41°F / 5°C) to prevent freezing in unoccupied rooms.
 - Settings '2' through '4' represent increasing comfort temperatures.

- Setting '5' represents the maximum temperature output from the radiator.
- **Automatic Control:** The built-in sensor continuously monitors the ambient room temperature and automatically adjusts the valve opening to maintain the selected setting.

Allow some time for the room temperature to stabilize after making an adjustment.

6. MAINTENANCE

The Danfoss RA2000 Thermostatic Operator is designed for durability and requires minimal maintenance.

- **Cleaning:** Wipe the exterior of the operator with a soft, damp cloth to keep it clean. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the plastic material.
- **Sensor Obstruction:** Ensure that the built-in sensor is not obstructed by curtains, furniture, or other objects. Obstructions can prevent the sensor from accurately reading the room temperature, leading to inefficient heating or cooling.
- **Seasonal Check:** Before the start of the heating season, it is advisable to briefly turn the dial to its maximum setting and then back to ensure the valve pin moves freely.

7. TROUBLESHOOTING

If you encounter issues with your Danfoss RA2000 operator, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Radiator is cold when it should be warm.	Dial set too low; heating system off; valve pin stuck.	Increase dial setting. Check if heating system is active. If valve pin is stuck, gently press it to free it (ensure system is off first).
Room is too hot or too cold despite setting.	Sensor obstructed; incorrect setting; external heat sources.	Ensure sensor is not covered by curtains or furniture. Adjust dial setting. Consider external heat sources (e.g., direct sunlight) affecting the sensor.
Operator is loose or falls off.	Improper installation; damaged mounting.	Re-install the operator, ensuring it clicks or screws on securely. Inspect for damage to the mounting mechanism on both the operator and the valve body.

If problems persist, contact Danfoss customer support or a qualified technician.

8. SPECIFICATIONS

Key specifications for the Danfoss RA2000 Thermostatic Operator:

Feature	Detail
Model Name	RA2000
Item Model Number	013G-8250
Brand	Danfoss

Feature	Detail
Item Weight	1 Pounds
Color	White
Outer Material	Plastic
Display Type	Analog
Product Care Instructions	Wipe Clean
Unit Count	1 Count
Upper Temperature Rating	90 Degrees Fahrenheit
Indoor/Outdoor Usage	Indoor
Manufacturer	Danfoss

9. WARRANTY INFORMATION


For detailed warranty information regarding your Danfoss RA2000 Thermostatic Operator, please refer to the specific warranty documentation provided at the time of purchase. Alternatively, you may visit the official Danfoss website or contact their customer support for the most current warranty terms and conditions.

10. SUPPORT INFORMATION

Should you require technical assistance, have questions about installation, operation, or maintenance, or need to report a product issue, please contact Danfoss customer support. You can typically find contact details on the official Danfoss website or through the retailer where the product was purchased.



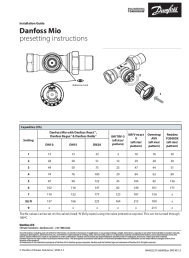
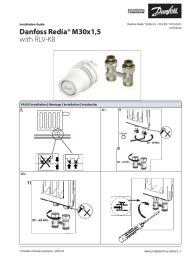
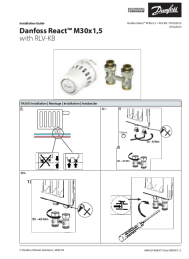
- **Online Resources:** Visit the [Danfoss Store on Amazon](#) or the official Danfoss website for product information, FAQs, and support documents.
- **Customer Service:** Refer to your product packaging or the Danfoss website for regional customer service contact numbers and email addresses.

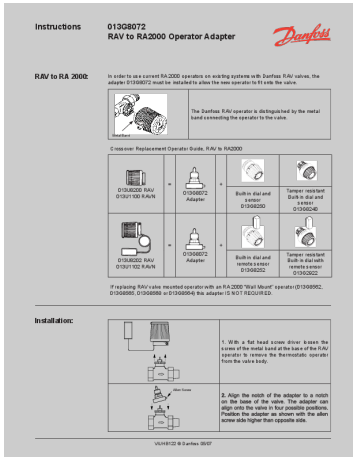
Related Documents - RA2000



[Danfoss RA2000 1PS Thermostatic Radiator Valve Installation Guide](#)

Comprehensive installation, setting, and troubleshooting guide for the Danfoss RA2000 One Pipe Steam (1PS) Thermostatic Radiator Valve, ensuring optimal performance and temperature control in low-pressure steam heating systems.

	<p>Danfoss Eco™ Electronic Thermostatic Radiator Head - Installation and User Manual</p> <p>This guide provides comprehensive instructions for installing, setting up, and operating the Danfoss Eco™ Electronic Thermostatic Radiator Head, including technical specifications, app integration, and safety information.</p>
	<p>Danfoss Eco™ Smart Thermostat Installation and User Manual</p> <p>Comprehensive guide to installing, operating, and troubleshooting the Danfoss Eco™ smart thermostat. Learn about features, app connectivity, and adapter compatibility for efficient home heating control.</p>
	<p>Danfoss Mio Presetting Instructions: Installation Guide for HVAC Valves</p> <p>Comprehensive installation guide for Danfoss Mio thermostatic radiator valves (TRVs), detailing presetting instructions and Kv-value capacities for various models and sizes.</p>
	<p>Danfoss Redia M30x1,5 with RLV-KB Installation Guide</p> <p>Step-by-step installation guide for the Danfoss Redia M30x1,5 thermostatic radiator valve with RLV-KB, covering valve and sensor head attachment to radiators.</p>
	<p>Danfoss React™ M30x1,5 with RLV-KB Installation Guide</p> <p>Step-by-step installation guide for the Danfoss React™ M30x1,5 thermostatic radiator valve with RLV-KB, covering valve and sensor attachment to heating radiators.</p>



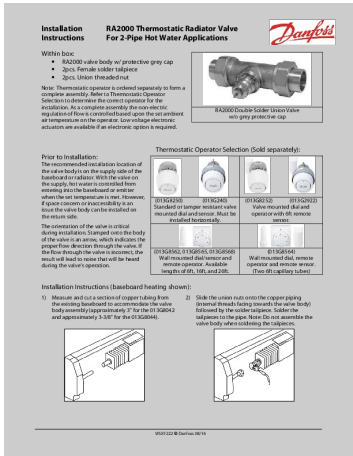
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Instructions 013G8072 RAV to **RA2000** Operator Adapter RAV to RA 2000: In order to use current RA 2000 operators on existing systems with Danfoss RAV valves, the adapter 013G8072 must be installed to allow the new operator to fit onto the valve.

The Danfoss RAV operator is distinguished by the met...

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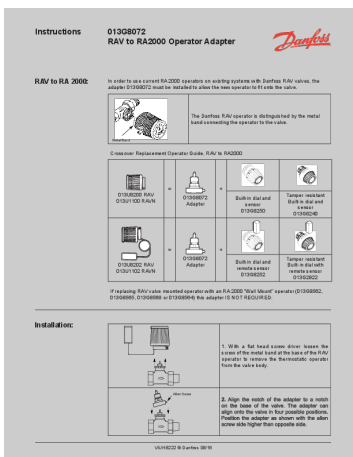
[pdf] User Manual Instructions

Microsoft Word Installation Instructions usco0570 RA2000 Thermostatic Radiator Valve valve body w

protective grey cap Danfoss can accept no responsibility for possible errors in printed 013G8013 Manual auersteel ASSETS DOCUMENTS ITEMS EN |||

Installation Instructions **RA2000** Thermostatic Radiator Valve For 2-Pipe Hot Water Applications Within box: **RA2000** valve body w/ protective grey cap 2pcs. Female solder tailpiece 2pcs. Union threaded nut Note: Thermostatic operator is ordered separately to form a complete assembly. Refer to Ther...

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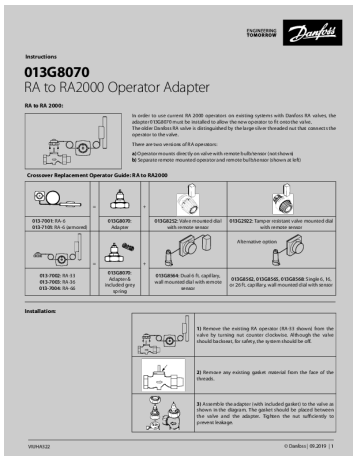
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013G8072 RAV to RA2000 Operator Adapter Instructions AN000086406631en US0201 assets danfoss documents latest 27040 |||

Instructions 013G8072 RAV to **RA2000** Operator Adapter RAV to RA 2000: In order to use current RA 2000 operators on existing systems with Danfoss RAV valves, the adapter 013G8072 must be installed to allow the new operator to fit onto the valve.

The Danfoss RAV operator is distinguished by the met...

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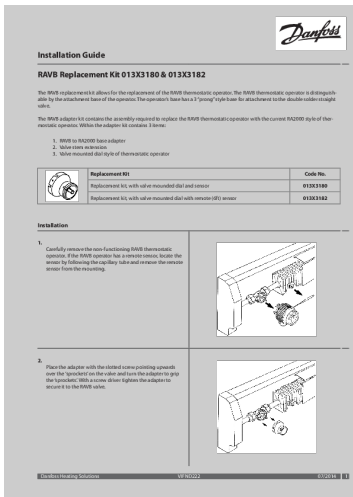


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RA to RA2000 Operator Adapter Instructions 013G8070 VIAHU322 AN000086406602en US0302 assets danfoss documents latest 27037 |||

Instructions 013G8070 RA to **RA2000** Operator Adapter RA to RA 2000: In order to use current RA 2000 operators on existing systems with Danfoss RA valves, the adapter 013G8070 must be installed to allow the new operator to fit onto the valve. The older Danfoss RA valve is distinguished by the large ...

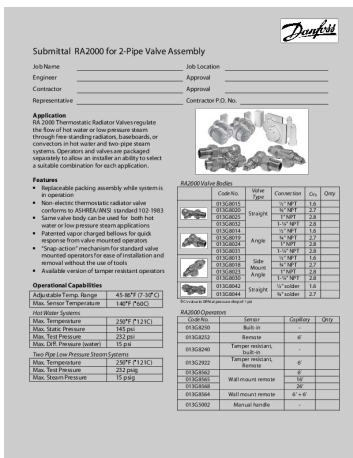
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RA2000 RAVB Replacement Kit Installation Instructions 013X3180 82 AN127986405181en US0201 assets danfoss documents latest 32368 |||

Installation Guide RAVB Replacement Kit 013X3180 013X3182 The RAVB replacement kit allows for the ... apter kit contains the assembly required to replace the RAVB thermostatic operator with the current **RA2000** style of thermostatic operator. Within the adapter kit contains 3 items: 1. RAVB to **RA2000** ba... lang:en score:39 filesize: 641.55 K page_count: 2 document date: 2008-07-10



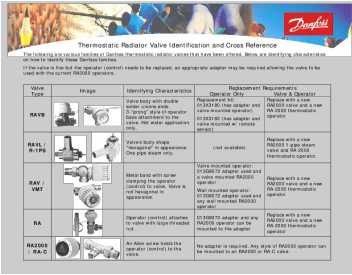
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Submittal **RA2000** for 2-Pipe Valve Assembly Job Name Engineer Contractor Representative Job Location Approval Approval Contractor P.O. No. Application RA 2000 Thermostatic Radiator Valves regulate the flow of hot water or low pressure steam through free-standing radiators, baseboards, or convectors...

lang:en score:38 filesize: 257.21 K page_count: 3 document date: 2012-03-06

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[pdf] Reference Guide Guide

Thermostatic Radiator Valve and Operator Cross Reference Guide VQFNA122 AN000086449575en

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Thermostatic Radiator Valve Identification and Cross Reference The following are various families of ... be replaced, an appropriate adapter may be required allowing the valve to be used with the current **RA2000** operators. Valve Type RAVB RAVL / R-1PS RAV / VMT RA **RA2000** / RA-C Image Identifying Chara...

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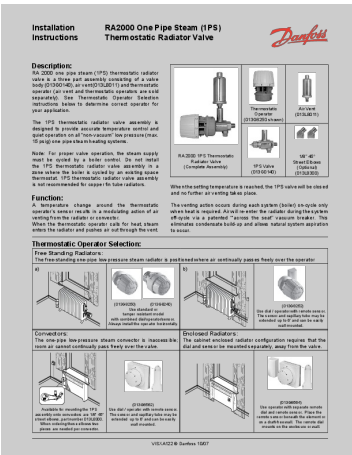
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Installation Instructions **RA2000** One Pipe Steam 1PS Thermostatic Radiator Valve

Description: RA 2000 one pipe steam 1PS thermostatic radiator valve is a three part assembly consisting of a valve body 013G0140 , air vent 013L8011 and thermostatic operator air vent and thermostatic operators...

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Installation RA2000 One Pipe Steam 1PS Instructions Danfoss can accept no responsibility for possible

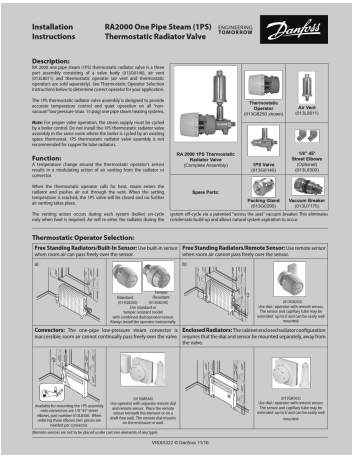
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Installation Instructions **RA2000** One Pipe Steam 1PS Thermostatic Radiator Valve

Description: RA 2000 one pipe steam 1PS thermostatic radiator valve is a three part assembly consisting of a valve body 013G0140 , air vent 013L8011 and thermostatic operator air vent and thermostatic operators...

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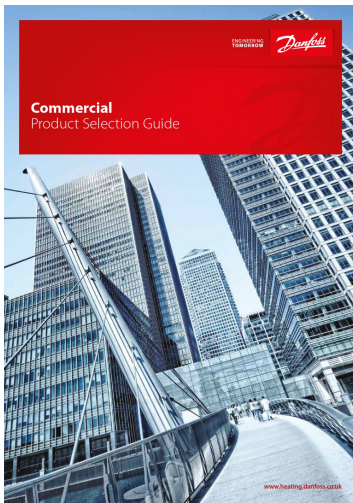
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Installation Instructions **RA2000** One Pipe Steam 1PS Thermostatic Radiator Valve

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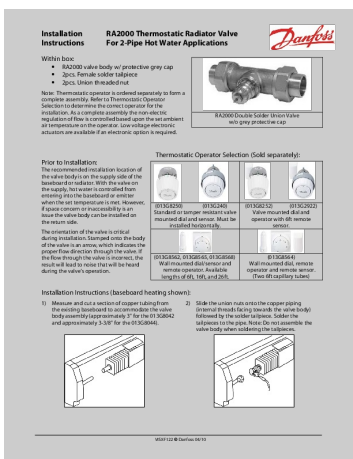
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Combi Packs **RA2000**.....

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[pdf] Danfoss RA2000 1PS Thermostatic Radiator Valve Installation Guide

Comprehensive installation, setting, and troubleshooting guide for the Danfoss RA2000 One Pipe Steam (1PS) Thermostatic Radiator Valve, ensuring optimal performance and temperature control in low-pressure steam heating systems.
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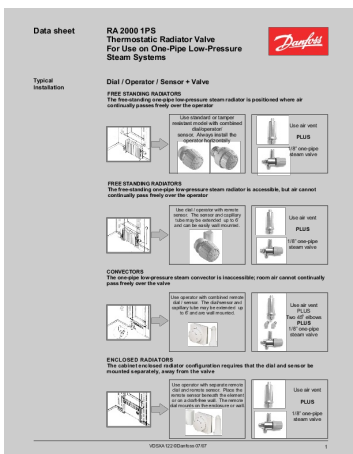
[pdf] Instructions Declaration of Conformity

Microsoft Word Installation Instructions doc usco0570 RA2000 Thermostatic Radiator Valve For 2 Pipe
Hot Water Applications Danfoss can accept no responsibility for possible errors in printed materials and
reserves the right to alter its products without notice Query ASSET ID 3980117 USE TYPE

INSTALLATION PRODUCT 1357271 api ferguson dar step service

Installation Instructions **RA2000** Thermostatic Radiator Valve For 2-Pipe Hot Water
Applications Within box: **RA2000** valve body w/ protective grey cap 2pcs. Female
solder tailpiece 2pcs. Union threaded nut Note: Thermostatic operator is ordered
separately to form a complete assembly. Refer to Ther...

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RA2000 1PS oct06 cdr Danfoss 013G0140 Data Sheet Thermostatic Radiator Valve 1 8 Inch MPT x FTP
Pipe Low Pressure Steam Systems danfoss 013g0140 data sheet ecomfort manuals |||

Data sheet Data sheet Typical Installation RA 2000 1PS Thermostatic Radiator Valve
For Use on One-P ... ription 1 Socket Body for RA- 2000 2 Bellows Holder set of 2 pcs
Code No. 013G5191 013G5503 **RA2000** 1PS Valve Design Code no. 013G0140
Valve Size 1/8 Pattern 1PS Connections Inlet x Outle...


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Data Sheet

FHV Regulating Valve



Application



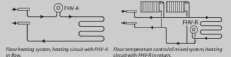
FHV control valves are ideally suited for control of radiator temperature in heating systems. They are used for controlling the flow of heating medium to the radiator. The valve is controlled by a thermostat or a room temperature sensor. The valve is used for controlling the flow of heating medium to the radiator. The valve is controlled by a thermostat or a room temperature sensor. The valve is used for controlling the flow of heating medium to the radiator. The valve is controlled by a thermostat or a room temperature sensor.

Checklist of the following features:

- The FHV is a three-way valve with an internal bypass. It is used for controlling the flow of heating medium to the radiator. The valve is controlled by a thermostat or a room temperature sensor. The valve is used for controlling the flow of heating medium to the radiator. The valve is controlled by a thermostat or a room temperature sensor.

Flow heating system, heating circuit with FHV-A

System Layout



Technical Data

Type	Connection	Size	Max. Working Pressure	Max. Differential Pressure	Test Pressure	Max. Flow Temp.
FHV-A	G1/2"	15	10 bar	10 bar	10 bar	110 °C
FHV-B	G1/2"	15	10 bar	10 bar	10 bar	110 °C

Ordering

FHV valve with electronic flow and flow control	For sensor	Colour	Codebook
FHV-A	FHV-A	white	003L1000
FHV-B	FHV-B	white	003L1015

003L1000 003L1015 003L1001

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Data Sheet FHV Regulating Valve Application System Layouts Tecnical Data

Ordering FHV control valv ... d key and drain tap FHV-A set: valve with pre-setting, air


vent and bleed key For sensor FJVR FJVR **RA2000** Colour white white white Code

no. 003L1000 003L1015 003L1001 Danfoss Heating Solutions VD...

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Installation Instructions

RA2000 One Pipe Steam (1PS) Thermostatic Radiator Valve



Description

The RA2000 One Pipe Steam (1PS) Thermostatic Radiator Valve is a three part assembly consisting of a valve body, an air vent, and a thermostatic operator. The valve body is used for controlling the flow of heating medium to the radiator. The air vent is used for releasing air from the radiator. The thermostatic operator is used for controlling the temperature of the radiator.

Functions

The RA2000 One Pipe Steam (1PS) Thermostatic Radiator Valve is used for controlling the flow of heating medium to the radiator. The valve body is used for controlling the flow of heating medium to the radiator. The air vent is used for releasing air from the radiator. The thermostatic operator is used for controlling the temperature of the radiator.

Thermostatic Operator Selection

The RA2000 One Pipe Steam (1PS) Thermostatic Radiator Valve is used for controlling the flow of heating medium to the radiator. The valve body is used for controlling the flow of heating medium to the radiator. The air vent is used for releasing air from the radiator. The thermostatic operator is used for controlling the temperature of the radiator.

Two Flanging Radiators Built to Standard

The RA2000 One Pipe Steam (1PS) Thermostatic Radiator Valve is used for controlling the flow of heating medium to the radiator. The valve body is used for controlling the flow of heating medium to the radiator. The air vent is used for releasing air from the radiator. The thermostatic operator is used for controlling the temperature of the radiator.

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Installation Instructions **RA2000** One Pipe Steam 1PS Thermostatic Radiator Valve

Description: RA 2000 one pipe steam 1PS thermostatic radiator valve is a three part


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operator air vent and thermostatic operators...

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Data sheet

ABRA 24V Thermo-hydraulic Actuator



Applications

The ABRA 24V Thermo-hydraulic Actuator is used for controlling the flow of heating medium to the radiator. The actuator is used for controlling the flow of heating medium to the radiator. The actuator is used for controlling the flow of heating medium to the radiator. The actuator is used for controlling the flow of heating medium to the radiator.

Ordering Information

Code No.	Type	Size/Size Values	Actuator Position
082F1085	ABRA	1/2" (12.5 mm)	NC, w/ end switch

Cross-over Reference Chart

Old Code No.	Replaced Code No.	Type
082F1085	082F1085	ABRA

Technical Specifications

Details	Value
Supply voltage	24 V DC
Power consumption	1.5 W
Rated flow rate	1.5 m³/h
Rated pressure	10 bar
Rated temperature	110 °C
Rated length	1.5 m
Rated weight	1.5 kg
Rated switch, max. output	1.5 A
Maximum life	10 years

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Data sheet ABRA 24V Thermo-hydraulic Actuator Applications: Danfoss ABRA style

of actuator is a ... s Low pressure steam systems Ordering Information: Code No.


082F1085 Type ABRA Suitable Valves **RA2000**, RA-C Actuator Position w/o power

NC, w/ end switch Cross-over Reference Chart: Old Code...

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Data sheet

KOVN 3-Way Mixing Valve



Applications

The KOVN 3-Way Mixing Valve is used for controlling the flow of heating medium to the radiator. The valve is used for controlling the flow of heating medium to the radiator. The valve is used for controlling the flow of heating medium to the radiator. The valve is used for controlling the flow of heating medium to the radiator.

Ordering Information

Code No.	Size	Connection	CV	Max. Differential Pressure
KOVN001	1/2"	1/2"	1.15	12 bar
KOVN002	1/2"	1/2"	1.15	12 bar
KOVN003	1/2"	1/2"	1.15	12 bar

Technical Data

Code No.	Size	Connection	CV
KOVN001	1/2"	1/2"	1.15
KOVN002	1/2"	1/2"	1.15
KOVN003	1/2"	1/2"	1.15

Electrical Actuators

Code No.	Description	Type	Consumption
KOVN001	3-Way mixing valve	Normally open	1.5 W
KOVN002	3-Way mixing valve	Normally closed	1.5 W

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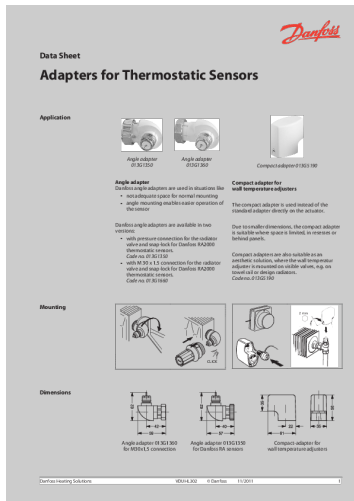
Data sheet KOVM 3-Way Mixing Valve Application: Ordering Information: The

Danfoss KOVM is a linea ... ratios Code No. Size 013U8063 RAVK, thermostatic

operator 013G8562 013G8565 013G8568 013G8564 **RA2000**, wall mount operator

with combined remote mounted sensor and dial **RA2000**, wall mount operator...

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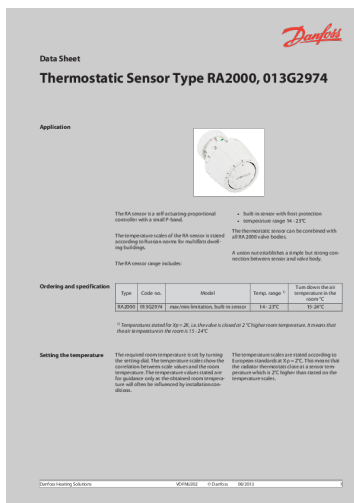


[\[pdf\]](#) Datasheet Dimension Guide

danfoss adapters for thermostatic sensors data sheet ecomfort manuals |||

Data Sheet Adapters for Thermostatic Sensors Application Mounting Angle adapter 013G1350 Angle a ... ailable in two versions: with pressure connection for the radiator valve and snap-lock for Danfoss **RA2000** thermostatic sensors. Code no. 013G1350 with M 30 x 1.5 connection for the radiator valve an...

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[\[pdf\]](#) Specifications Datasheet

VDFNU202 RA2000 X005836en heating danfoss 80 PCM |||

Data Sheet Thermostatic Sensor Type **RA2000**, 013G2974 Application The RA sensor is a self-actuating proportional controller with a small P-band. The temperature scales of the RA-sensor is stated according to Russian norms for multiflats dwelling buildings. The RA sensor range includes: built-in se...

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Untitled Manual Danfoss RA2980 termostatická hlavice s vestavěným čidlem pojistka proti krádeži


013G2980 manualhlavicedanfoss kamody cz soubory relatedfile |||

Technick daje Termostatické hlavice **RA2000**, standardn modely, modely pro veejn budovy, dlkov nastaven Použit KEYMARK je certifikovn dle EN 215 RA 2980 RA 2920 RA 5060 Termostatické hlavice **RA2000** jsou samocinn proporcionln regulatory, kter umozuj dimenzovn s malm psmem proporcionality. Tyto termos...



lang:hr **score:28** filesize: 1.01 M page_count: 8 document date: 2022-04-25



Data Sheet

FED Thermoelectric Controller For Cooling & Heating Circuits



Application

FED Thermoelectric controllers are used in applications where temperature has to be maintained. And a heating circuit can be designed to heat various devices. For FED it is designed to heat various IP's with thermoelectric units in basic and IP's with thermoelectric units without of controlling digital circuit, inductors, capacitors, and diodes can be used. The FED IP's various sensors can be placed directly in the air stream providing an accurate recording of the directly on a circuit.



Ordering Information



Cat No.	Description	Units	Order Qty	Lead Time Range
FED-00001	FED-01	Single pack	1-25	2-3 weeks
FED-00002	FED-02	Remote	0-4-9-99	10-27-32

*For ordering additional components refer to the BAC units of value, while the heating adapters can be purchased either separately or as a complete system.

Application

Control of chiller cooling and heating

RA-1, RA-2, RA-200

KSD02122 4548 Rev 07/10

1

Technické údaje

Termostatické hlavice RA2000, standardní modely, modely pro veřejné budovy, dálkové nastavení

Průřez

11110000 / certifikováno
dle DIN EN 12067

RA 2000

RA 3000

Termostatické hlavice RA2000 jsou samostatně provozovatelné regulátory teploty, které umožňují ekonomizaci a naplňují požadavky na přirozenost.

Pro termostatické hlavice RA2000 je třeba je napájet z vnějšího zdroje napětí 230 V AC. Tento je napájecí zdroj může být napájecí zdroj budovy, napájecí zdroj jednotky nebo napájecí zdroj zvlášť určený pro tento účel.

RA2000 je vybavena integrovaným snímačem teploty, teplotními kontakty a možností dálkového nastavení.

Technické údaje:

RA 2000 / dálkový režim, řídící

RA 2000 / dálkový režim, řídící

RA 2000 / dálkový režim, řídící

RA 2000 / dálkový režim, řídící

RA 2000 / dálkový režim, řídící

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RA 2000 / dálkový režim, řídící

RA 2000 / dálkový režim, řídící

RA 2000 / dálkový režim, řídící

RA 2000 / dálkový režim, řídící

RA 2000 / dálkový režim, řídící

Dálkové nastavení: Dálkové nastavení teploty 230 V AC, napájecí zdroj: Dálkový napájecí zdroj, napájecí zdroj budovy, napájecí zdroj jednotky nebo napájecí zdroj zvlášť určený pro tento účel.

RA2000 je vybavena integrovaným snímačem teploty, teplotními kontakty a možností dálkového nastavení.

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Technické údaje

Termostatické hlavice RA2000, standardní modely, modely pro veřejné budovy, dálkové nastavení

Profil

ETIMEX a.s. certifikace
ISO 9001

RA 2000

RA 3000

Termostatické hlavice RA2000 jsou určeny pro dálkové nastavení teploty v budovách administrativní a veřejné podstaty.

Tyto termostatické hlavice jsou vhodné pro dálkové nastavení teploty v budovách RA2000, RA2000-1 a RA2000-2. Tyto termostatické hlavice jsou určeny pro dálkové nastavení teploty v budovách RA2000, RA2000-1 a RA2000-2.

Technické údaje

- RA 2000 – standardní typ
- RA 2000-1 – standardní typ
- RA 2000-2 – standardní typ

Dálkové nastavení teploty v budovách RA2000, RA2000-1 a RA2000-2.

Dálkové nastavení teploty v budovách RA2000, RA2000-1 a RA2000-2.

Dálkové nastavení teploty v budovách RA2000, RA2000-1 a RA2000-2.

Dálkové nastavení teploty v budovách RA2000, RA2000-1 a RA2000-2.

Dálkové nastavení teploty v budovách RA2000, RA2000-1 a RA2000-2.

Dálkové nastavení teploty v budovách RA2000, RA2000-1 a RA2000-2.

Dálkové nastavení teploty v budovách RA2000, RA2000-1 a RA2000-2.

Dálkové nastavení teploty v budovách RA2000, RA2000-1 a RA2000-2.

Drainfix

Dálkové nastavení teploty v budovách RA2000, RA2000-1 a RA2000-2.

Dálkové nastavení teploty v budovách RA2000, RA2000-1 a RA2000-2.

Dálkové nastavení teploty v budovách RA2000, RA2000-1 a RA2000-2.

Dálkové nastavení teploty v budovách RA2000, RA2000-1 a RA2000-2.

Dálkové nastavení teploty v budovách RA2000, RA2000-1 a RA2000-2.

Dálkové nastavení teploty v budovách RA2000, RA2000-1 a RA2000-2.

Dálkové nastavení teploty v budovách RA2000, RA2000-1 a RA2000-2.

Dálkové nastavení teploty v budovách RA2000, RA2000-1 a RA2000-2.

Dálkové nastavení teploty v budovách RA2000, RA2000-1 a RA2000-2.

Dálkové nastavení teploty v budovách RA2000, RA2000-1 a RA2000-2.

Dálkové nastavení teploty v budovách RA2000, RA2000-1 a RA2000-2.

Dálkové nastavení teploty v budovách RA2000, RA2000-1 a RA2000-2.

Dálkové nastavení teploty v budovách RA2000, RA2000-1 a RA2000-2.

www.drainfix.cz | 1. číslo 1000 000 000

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[\[pdf\]](#) Datasheet

FED DS VD33T1220 07 10 cdr Mudry Julie danfoss fed series data sheet ecomfort manuals |||

Data Sheet Application Ordering Information Application FED Thermostatic Controller for Cooling H ... uld only mount to the RA-C series of valves, while the heating adapter can be mounted to either the **RA2000** or RA-C series of valves. Control of chilled ceiling and radiator FED -IF Cooling Circuit ...

lang:en score:28 filesize: 195.55 K page_count: 4 document date: 2010-07-13

[\[pdf\]](#)

Termostatické hlavice RA2000 AI037586403023cs 000201 assets danfoss documents latest 68235 |||

Technick daje Termostatick hlavice **RA2000**, standardn modely, modely pro veejn budovy, dlkov nastaven Pouzit KEYMARK je certifikovn dle EN 215 RA 2980 RA 2920 RA 5060 Termostatick hlavice **RA2000** jsou samocinn proporcionln regulytory, kter umozuj dimenzovn s malm psmem proporcionality. Tyto termos...

lang:hr score:28 filesize: 2.1 M page_count: 8 document date: 2012-01-11

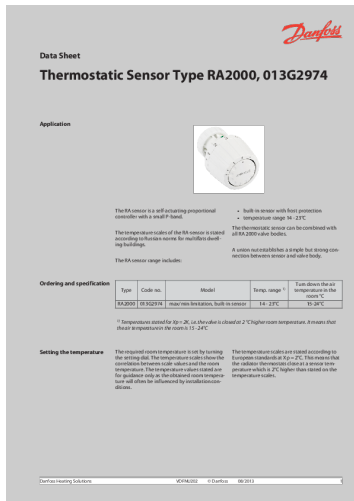
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Termostatické hlavice RA2000 AI037586403023cs 000201 assets danfoss documents latest 68234

000101 |||

Technick daj Termostatick hlavice **RA2000**, standardn modely, modely pro veejn budovy, dlkov nastaven Pouzit KEYMARK je certifikovn dle EN 215 RA 2980 RA 2920 RA 5060 Termostatick hlavice **RA2000** jsou samocinn proporcionln regulatory, kter umozuj dimenzovn s malm psmem proporcionality. Tyto termos...

lang:hr score:27 filesize: 1.58 M page_count: 8 document date: 2024-07-10

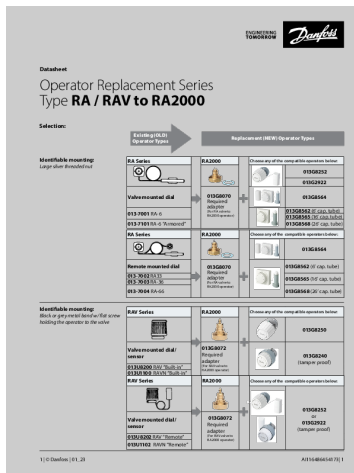


[\[pdf\]](#) Specifications Datasheet

Data sheet thermostatic sensor RA2000 013G2974 AI094986402945en 010201 assets danfoss documents 70894 |||

Data Sheet Thermostatic Sensor Type **RA2000**, 013G2974 Application The RA sensor is a self-actuating proportional controller with a small P-band. The temperature scales of the RA-sensor is stated according to Russian norms for multiflats dwelling buildings. The RA sensor range includes: built-in se...

lang:en **score:27** filesize: 1.16 M page_count: 4 document date: 2011-03-24

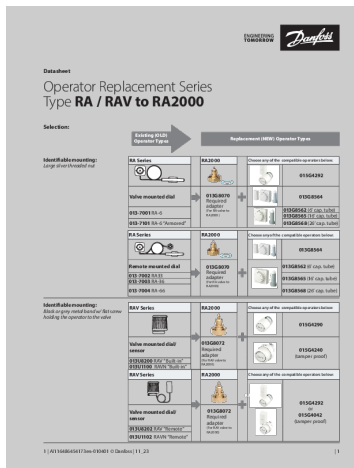


[\[pdf\]](#) Datasheet

Operator Replacement Identifier Type RA RAV to RA2000 AI116486454173en 010301 assets danfoss documents latest 236315 |||

Datasheet Operator Replacement Series Type RA / RAV to **RA2000** Selection: Existing OLD Operator Types Replacement NEW Operator Types Identifiable mounting: Large silver threaded nut RA Series Valve mounted dial 013-7001 RA-6 013-7101 RA-6 Armored RA Series Remote mounted dial 013-7002 RA3...

lang:en **score:27** filesize: 284.12 K page_count: 2 document date: 2014-04-10



[\[pdf\]](#) Datasheet

Operator Replacement Identifier Type RA RAV to RA2000 AI116486454173en 010401 assets danfoss documents latest 357635 |||

Datasheet Operator Replacement Series Type RA / RAV to **RA2000** Selection: Existing OLD Operator Types Replacement NEW Operator Types Identifiable mounting: Large silver threaded nut RA Series Valve mounted dial 013-7001 RA-6 013-7101 RA-6 Armored RA Series Remote mounted dial 013-7002 RA...

lang:en **score:27** filesize: 352.26 K page_count: 2 document date: 2014-04-10

Installation Instructions

R4200A Thermistic Radiator Valve For 2" Pipe Hot Water Applications

Danfoss
A Danfoss Company

With this box:

- R4200A valve body w/ protection grey cap
- 3/4" Female saddle valve
- 3/4" Brass threaded nut

New: Thermistic operation is selected automatically by turning

the handle clockwise. The valve will operate in the Manual position.

Users who desire the electric control option for the R4200A, or a complete assembly for the valve, may select from a complete assembly that also includes an actuator and an impedance to the open or close direction. This complete assembly is available as an electric option kit (R4200A-E).

R4200A Thermistic Radiator Valve
with grey protective cap

Thermistic Operator Selection (Gold assembly):

Prior to installation:

The recommended installation location of the radiator valve is on the supply side of the radiator. When the radiator is connected to the supply, hot water is circulated from the radiator to the boiler. When the radiator is selected at temperatures in heat, maximum heat is supplied to the radiator. To ensure the radiator body is cooled following the return side, the radiator handle should be turned clockwise during installation. Turned into the body of the radiator, the stem, which indicates the proper flow direction through the valve, if flow through the valve is reversed, it will be hard to feel that it is heard during hand turning.

Installation Instructions (background heating down):

- 1) Measure and cut a section of copper piping with the length determined to accommodate the valve body assembly approximately 2" for the R4200A-E and approximately 3/8" for the R4200A-E.
- 2) Slide the union nuts onto the copper piping and the saddle valve onto the copper piping. Tighten the saddle valve by the handle. Slide the saddle valve to the right. Do not over-tighten the valve body until holding the copper piping.

W810-010 Danfoss Inc. 06-14

[\[pdf\]](#) Instructions

RA2000 Double Solder Two Pipe Installation AN000086406172en US0201 assets danfoss documents
latest 47250 |||

Installation Instructions **RA2000** Thermostatic Radiator Valve For 2-Pipe Hot Water Applications Within box: **RA2000** valve body w/ protective grey cap 2pcs. Female solder tailpiece 2pcs. Union threaded nut Note: Thermostatic operator is ordered separately to form a complete assembly. Refer to Ther...

lang:en score:27 filesize: 174.01 K page_count: 2 document date: 0000-00-00

Installation Instructions

R4200 Thermostatic Radiator Valve For 2-Pipe Hot Water Applications

Danfoss

With Note

- R4200 valve body w/ protective grey cap
- 3/4" Female radial inlet/outlet
- 3/4" x 1/2" NPT threaded

R4200 (3/4" Female Inlet/Outlet w/ grey protective cap)

Note: Thermostatic Controller is ordered separately in form of a separate assembly. Refer to Thermostatic Controller Selection Section to determine the correct controller for the installation. For a proper installation, the valve and the thermostat assembly must be installed in the same direction as setpoints on the operator. Low voltage electronic actuators are available if an electronic signal is required.

Prior to Installation

The recommended installation location of the valve body is on the supply side of the radiator. The valve body must be installed so the supply, not return, water flows through the valve. The valve body must be installed so that the water temperature is not. Excessive water temperature will result in the valve body not operating correctly. The valve body must be installed so that the water temperature is not. Excessive water temperature will result in the valve body not operating correctly.

The valve body must be installed so that the water temperature is not. Excessive water temperature will result in the valve body not operating correctly. The valve body must be installed so that the water temperature is not. Excessive water temperature will result in the valve body not operating correctly.

Installation Instructions (Baseboard Heating - Manual)

1. Measure and cut a section of copper piping with the same diameter as the radiator side of the valve body assembly (approximately 3/4" for the R4200-R4250 and approximately 1/2" for the R4200-R4250).

2. Stick the water into the copper piping with the same diameter as the radiator side of the valve body assembly. The inlet piping is the pipe. Make the water into the valve body with the same diameter as the radiator side of the valve body assembly.

W810-2018-00000000-0000

[\[pdf\]](#) Instructions

RA2000 Double Solder Two Pipe Installation AN000086406172en 010201 assets danfoss documents
latest 47250 |||

Installation Instructions **RA2000** Thermostatic Radiator Valve For 2-Pipe Hot Water Applications Within box: **RA2000** valve body w/ protective grey cap 2pcs. Female solder tailpiece 2pcs. Union threaded nut Note: Thermostatic operator is ordered separately to form a complete assembly. Refer to Ther...

lang:en score:27 filesize: 241.12 K page_count: 2 document date: 2024-07-13

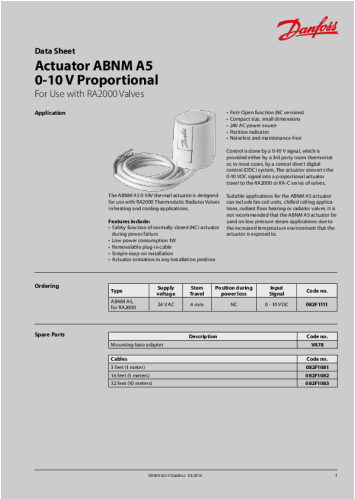
[illegible]

[\[pdf\]](#) Instructions Decleration of Conformity

Microsoft Word Installation Instructions doc usco0570 RA2000 Thermostatic Radiator Valve For 2Within
box valve body w protective grey cap 2pcs Female solder tailpiece Union threaded nut Note operator is
ordered Queryapi ferguson dar step service Query USE TYPE INSTALLATION PRODUCT ID 1357272
2Installation ordered Note If mounted dial and sensor selected 013G8250 the should not be pointing
vertically 4 Remove from valve1357271 3980117 installationapi 1357272fergusonprod a bigcontent io v1
static 1357271 installation |||

Installation Instructions **RA2000** Thermostatic Radiator Valve For 2-Pipe Hot Water Applications Within box: **RA2000** valve body w/ protective grey cap 2pcs. Female solder tailpiece 2pcs. Union threaded nut Note: Thermostatic operator is ordered separately to form a complete assembly. Refer to Ther...

lang:en score:27 filesize: 184.07 K page count: 2 document date: 2012-03-05

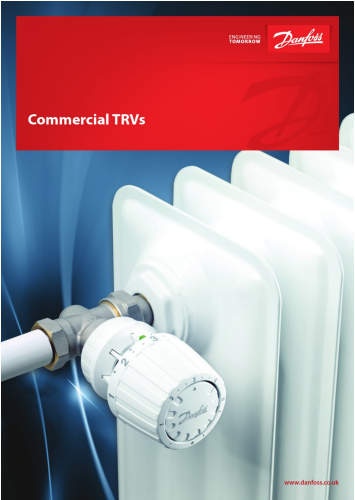


[pdf] Datasheet Dimension Guide

ABNM A5 Actuator Datasheet for use with RA2000 Valves AI189286403670en 020401 assets danfoss documents 83115 US0401 |||

Data Sheet Actuator ABNM A5 0-10 V Proportional For Use with **RA2000** Valves Application First-Open function NC versions Compact size, small dimensions 24V AC power source Position indicator Noiseless and maintenance-free Control is done by a 0-10 V signal, which is provided either by a 3rd ...

lang:en score:27 filesize: 626.64 K page_count: 5 document date: 2014-07-10



[pdf]

RA2000 Range Commercial TRVs AF000086406678en GB0202 assets danfoss documents latest 187591 |||

Commercial TRVs www.danfoss.co.uk Thermostatic Radiator Valves Contents Studies show that about ... Radiators with 1 Connection Point - RA 15/6.....11 Built-in Sensors - Standard and Tamperproof - **RA2000**.....12 Remote Sensors and Adjusters - **RA2000**.....

lang:en score:27 filesize: 7.49 M page_count: 11 document date: 2019-10-17

<div>   </div>				
<h2>Konverteringslista</h2> <h3>Radiaventiller og termostater</h3> <h2>RA2000 og RA2000i</h2>				
<p>Alle RA2000 og RA2000i ventiler og termostater er bygget med et til tilfølgende lokale ændringer og installationer. Dermed kan de monteres, betjenes og vedligeholdes på den samme måde som alle ventiler og termostater, der er installeret i tidligere udgaver. Udvekslingen af disse funktioner mellem de to udgaver er angivet i nedenstående tabel.</p>				
<h3>Radiaventiler</h3>				
Udgave	MMA R&K nr.	IMI R&K nr.	Danfoss R&K nr.	
U21C1 1stk	480-00 73	479 18 15	861 02 09	
U21C1 2stk	480-00 77	479 18 17	861 02 33	
U21C1 3stk	480-00 80	479 18 20	861 02 06	
U21C1 4stk	480-00 75	479 18 16	861 02 17	
U21C1 5stk	480-00 78	479 18 18	861 02 41	
U21C1 6stk	480-00 79	479 18 21	861 02 25	
U21C1 7stk	480-00 81	479 18 19	861 02 38	
U21C1 8stk	480-00 82	n/a	861 02 82	
U21C1 9stk	n/a	n/a	n/a	
U21C1 10stk	n/a	n/a	861 02 09	
U21C1 11stk	n/a	n/a	n/a	
U21C1 12stk	n/a	n/a	n/a	
U21C1 13stk	n/a	n/a	n/a	
U21C1 14stk	n/a	n/a	n/a	
U21C1 15stk	n/a	n/a	n/a	
U21C1 16stk	n/a	n/a	n/a	
U21C1 17stk	n/a	n/a	n/a	
U21C1 18stk	n/a	n/a	n/a	
U21C1 19stk	n/a	n/a	n/a	
U21C1 20stk	n/a	n/a	n/a	
U21C1 21stk	n/a	n/a	n/a	
U21C1 22stk	n/a	n/a	n/a	
U21C1 23stk	n/a	n/a	n/a	
U21C1 24stk	n/a	n/a	n/a	
U21C1 25stk	n/a	n/a	n/a	
U21C1 26stk	n/a	n/a	n/a	
U21C1 27stk	n/a	n/a	n/a	
U21C1 28stk	n/a	n/a	n/a	
U21C1 29stk	n/a	n/a	n/a	
U21C1 30stk	n/a	n/a	n/a	
U21C1 31stk	n/a	n/a	n/a	
U21C1 32stk	n/a	n/a	n/a	
U21C1 33stk	n/a	n/a	n/a	
U21C1 34stk	n/a	n/a	n/a	
U21C1 35stk	n/a	n/a	n/a	
U21C1 36stk	n/a	n/a	n/a	
U21C1 37stk	n/a	n/a	n/a	
U21C1 38stk	n/a	n/a	n/a	
U21C1 39stk	n/a	n/a	n/a	
U21C1 40stk	n/a	n/a	n/a	
U21C1 41stk	n/a	n/a	n/a	
U21C1 42stk	n/a	n/a	n/a	
U21C1 43stk	n/a	n/a	n/a	
U21C1 44stk	n/a	n/a	n/a	
U21C1 45stk	n/a	n/a	n/a	
U21C1 46stk	n/a	n/a	n/a	
U21C1 47stk	n/a	n/a	n/a	
U21C1 48stk	n/a	n/a	n/a	
U21C1 49stk	n/a	n/a	n/a	
U21C1 50stk	n/a	n/a	n/a	
U21C1 51stk	n/a	n/a	n/a	
U21C1 52stk	n/a	n/a	n/a	
U21C1 53stk	n/a	n/a	n/a	
U21C1 54stk	n/a	n/a	n/a	
U21C1 55stk	n/a	n/a	n/a	
U21C1 56stk	n/a	n/a	n/a	
U21C1 57stk	n/a	n/a	n/a	
U21C1 58stk	n/a	n/a	n/a	
U21C1 59stk	n/a	n/a	n/a	
U21C1 60stk	n/a	n/a	n/a	
U21C1 61stk	n/a	n/a	n/a	
U21C1 62stk	n/a	n/a	n/a	
U21C1 63stk	n/a	n/a	n/a	
U21C1 64stk	n/a	n/a	n/a	
U21C1 65stk	n/a	n/a	n/a	
U21C1 66stk	n/a	n/a	n/a	
U21C1 67stk	n/a	n/a	n/a	
U21C1 68stk	n/a	n/a	n/a	
U21C1 69stk	n/a	n/a	n/a	
U21C1 70stk	n/a	n/a	n/a	
U21C1 71stk	n/a	n/a	n/a	
U21C1 72stk	n/a	n/a	n/a	
U21C1 73stk	n/a	n/a	n/a	
U21C1 74stk	n/a	n/a	n/a	
U21C1 75stk	n/a	n/a	n/a	
U21C1 76stk	n/a	n/a	n/a	
U21C1 77stk	n/a	n/a	n/a	
U21C1 78stk	n/a	n/a	n/a	
U21C1 79stk	n/a	n/a	n/a	
U21C1 80stk	n/a	n/a	n/a	

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Conversion list RA N and RA2000 AM31557913436sv SE0101 assets danfoss documents latest 46740

III

Konverteringslista Radiatorventiler och termostater RA-N och **RA2000** Vlj rtt Danfoss radiatorventil och termostat med hjlp av tabellerna nedan Danfoss RA-N ventiler och **RA2000** termostater r framtagna fr att tillgodose bde anvndarens och installatrens intressen. Snabbt enkelt montage, smidig frinstll...

lang:af score:26 filesize: 249.22 K page_count: 1 document date: 2014-05-20

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RA2000 Thermostatic Radiator Valve and Operator Datasheet AI116486407719en 010401 assets
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Datasheet RA 2000 Thermostatic Radiator Valves Application: Operator Features:
Valve Features: RA ... nforms to ASHRAE / ANSI Standard 102-1983. 1 Datasheet
Technical Specifications: Comfort Control: **RA2000** Thermostatic Radiator Valves
Hydronic Hot Water Systems Maximum Temperature: 250 F Maximum S...

lang:en score:26 filesize: 1000.42 K page_count: 8 document date: 2024-01-22

Datasheet

RA 2000

Thermostatic Radiator Valves

TECHNICAL
SPECIFICATIONS

Applications

RA 2000 Thermostatic Radiator Valves regulate the flow of water to the radiator, depending on the room temperature. Available in three versions, depending on the mounting position, headshape, and connection size. RA 2000 can be used for any type of radiator.

Operative Features

- Value regulated operation (parallel/series) depending on the mounting position. Single or double flow. Up to 10 bar differential pressure.
- Head and valve element operation are equipped with a "Spring-Back" mechanism that allows the valve to automatically return itself to the previous position after each adjustment.
- Valve with an external adjustment possible. Thanks to the design of the head, the valve can be adjusted from the front and backside (push in 1/2 turn) indication using temperature setting and a temperature indicator.
- Temperature indicator version of the valve allows for manual adjustment and a temperature indicator.
- Compliance with EN10224 and EN10225 standards.

Valve Features

- RA 2000s are head with a packing and a stem with a seal, mounted on the valve to the system to regulate the water flow.
- Valve operation is done using a push in action to open the valve and a pull action to close the valve. The valve is equipped with a "Spring-Back" mechanism that allows the valve to return to its previous position after each adjustment.
- Manual and push/pull regulation protect the valve from damage. A pressure indicator is available to monitor the pressure in the system.
- Valve material: brass. Temperature range: 0°C to 110°C.
- Connection to BS 21: 1/2" Bore / ANSI 1/2" Bore.

RA 2000 RA 2000 RA 2000 RA 2000

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RA2000 Thermostatic Radiator Valve and Operator Datasheet AI116486407719en 010301 assets
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Datasheet RA 2000 Thermostatic Radiator Valves Application: Operator Features:
Valve Features: RA ... forms to ASHRAE / ANSI Standard 102-1983. 1 Datasheet
Technical Specifications: Comfort Control: **RA2000** Thermostatic Radiator Valves

Hydronic Hot Water Systems Maximum Temperature: 250 F Maximum S...

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