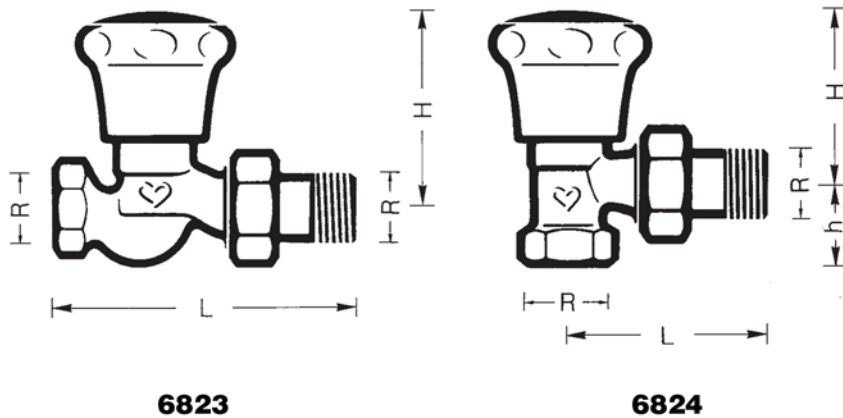


# Radiator Control Valves with Pre-Setting Function by Means of Double Cone

Standard Sheet for

**6823/6824**

Edition 1000 (0999)



Article Number	Model	DN	R	L	H max.	h	Order Number	Dimensions in mm
<b>6823</b>	Straight valve, standard	25	1"	129	83	–	1 <b>6823</b> 73	
		32	1 1/4"	155	117	–	1 <b>6823</b> 74	
<b>6823 F</b>	Lockshield valve	25	1"	129	115	–	1 <b>6823</b> 86	
<b>6824</b>	Angle valve standard	25	1"	76	73	34	1 <b>6824</b> 73	
		32	1 1/4"	90	102	41	1 <b>6824</b> 74	
<b>6824 F</b>	Lockshield valve	25	1"	76	100	41	1 <b>6824</b> 86	

Standard models with threaded socket, nickel plated, 90° – connection cone.

<b>6823</b>	<b>1" – 1 1/4"</b>	Straight valve
<b>6824</b>	<b>1" – 1 1/4"</b>	Angle valve
<b>6823 F</b>	<b>1"</b>	Model for public buildings with the spindle covered by a cap and knurled screw to prevent tampering. Straight model.
<b>6824 F</b>	<b>1"</b>	Straight valve Angle valve

## Models

<b>6823</b>	<b>3/8" – 3/4"</b>	HERZ-DR-T-90 Universal models, straight value
<b>6824</b>	<b>3/8" – 3/4"</b>	Angle values
<b>6823 F</b>	<b>3/8" – 3/4"</b>	HERZ-DR-T-90 Model for public buildings, straight value
<b>6824 F</b>	<b>3/8" – 3/4"</b>	Angle value

A separate standard sheet is available for these models.

## Additional Models 3/8"–3/4"

Maximum operating temperature 110 °C  
Maximum operating pressure 10 bar  
Hot water quality according to Austrian standard ÖNORM H 5195 and/or VDI-guideline 2035.

## Operating Data

Hot water heating systems where high-precision adjustment and minimum cost are required. Installation in air conditioning systems for exact adjustment of cooling and heating units, also suitable as a circuit control valve.

## Field of Application

We reserve the right to make modifications necessitated by technological progress.

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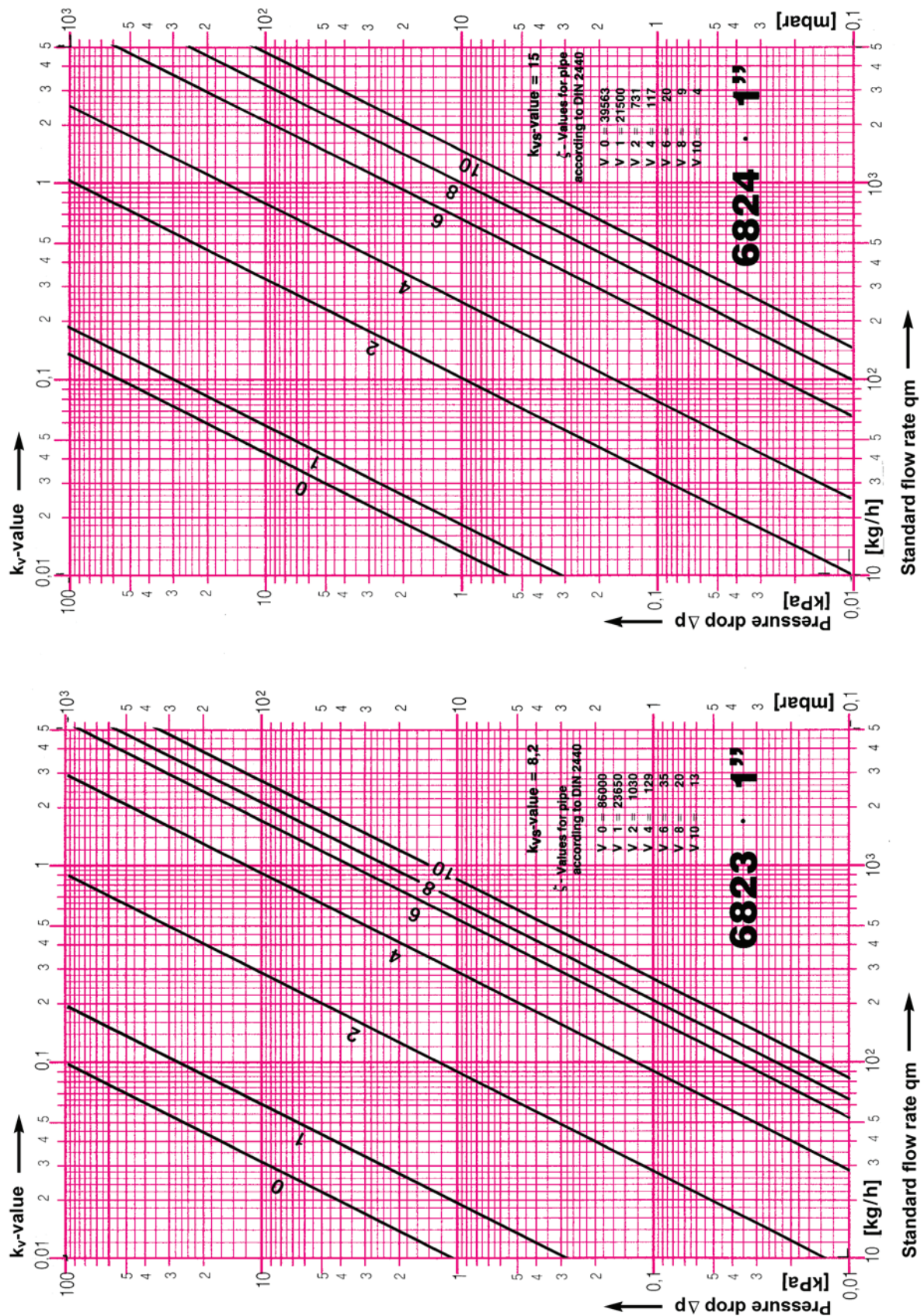
Iron pipe connection 6209 with cone seal, installed.	<b>Radiator Connection</b>
<p>Pre-setting by means of telescopic flow restriction cone permits the flow rate to be reduced to approximately 1% while the full main spindle lift is available at any time. The pre-setting key Art. No. <b>6600</b> (blue shaft) is required for pre-setting.</p> <p>The inside flow restriction cone can be adjusted by means of a pre-setting spindle. The cone is adjustable at the pre-setting spindle in order to prevent any undesired change of flow rate due the effects of foreign bodies.</p>	<b>Pre-Setting</b>
<ol style="list-style-type: none"> <li>1. Remove the handwheel.</li> <li>2. Insert the shaft of the pre-setting key into the main control spindle and press the measuring sleeve against the front area of this spindle.</li> <li>3. The scale on the key shaft makes it possible to perform the following pre-setting operations: <ol style="list-style-type: none"> <li>1. Turning the key head clockwise reduces the flow rate to a minimum by screwing in the inside spindle with pre-setting cone.</li> <li>2. Turning the key head counterclockwise increased the flow rate from minimum to maximum.</li> </ol> </li> <li>4. After adjustment re-install the handwheel.</li> </ol>	<b>Pre-Setting Operation</b>
<p><b>O-Ring</b></p> <p>In the models HERZ-DR-1", the spindle seal is an O-Ring which can be replaced while the system is in operation. This O-Ring guarantees minimum maintenance requirements up to the indicated maximum operating temperature.</p> <ol style="list-style-type: none"> <li>1. Seal the valve off towards upstream. Open the valve up to the stop by turning counterclockwise. Remove handwheel.</li> <li>2. Unscrew O-Ring guide nut and remove O-Ring and klingerit seal (hold against the upper part).</li> <li>3. Clean spindle and O-Ring guide nut (use the cleaning tool from the O-Ring box). Sharp-edged objects cause damage to the sealing surfaces.</li> <li>4. Take the grease-lubricated O-Ring and klingerit seal out of the box (supplied ready for installation).</li> <li>5. Install sealing elements in the following order: <ol style="list-style-type: none"> <li>1. Klingerit seal</li> <li>2. O-Ring</li> <li>3. O-Ring guide nut</li> </ol> </li> <li>6. Tighten O-Ring guide nut slightly and put handwheel in place.</li> </ol> <p>Order number for O-Ring box: <b>6710 red</b>.</p> <p>The 1 1/4" valves are sealed with a stuffing box packing instead of the O-Ring.</p>	<p><b>Spindle Seal HERZ-DR-1"</b></p> <p><b>Replacing the O-Ring</b></p>
In the models for public buildings the O-Ring nut and spindle cover sleeve form one single component. The spindle opening is closed with a knurled screw.	<b>Models for Public Buildings</b>
1 <b>6600</b> 00    Pre-setting key	<b>Accessoires</b>
1 <b>6310</b> 93    HERZ-DR upper part for valve dimension 1" 1 <b>6510</b> 03    Handwheel with platelet and screw 1 <b>6710</b> 00    O-Ring box, red, for valve dimension 1"	<b>Spare Parts</b>
The flow diagrams inside this leaflet serve to determine the valve resistance values and show the individual pre-setting steps.	<b>Flow Diagrams</b>

# HERZ Standard Diagram

HERZ-DR

Art. No. 6823 · 6824

Dim. DN 25 R=1"



We reserve the right to make modifications.

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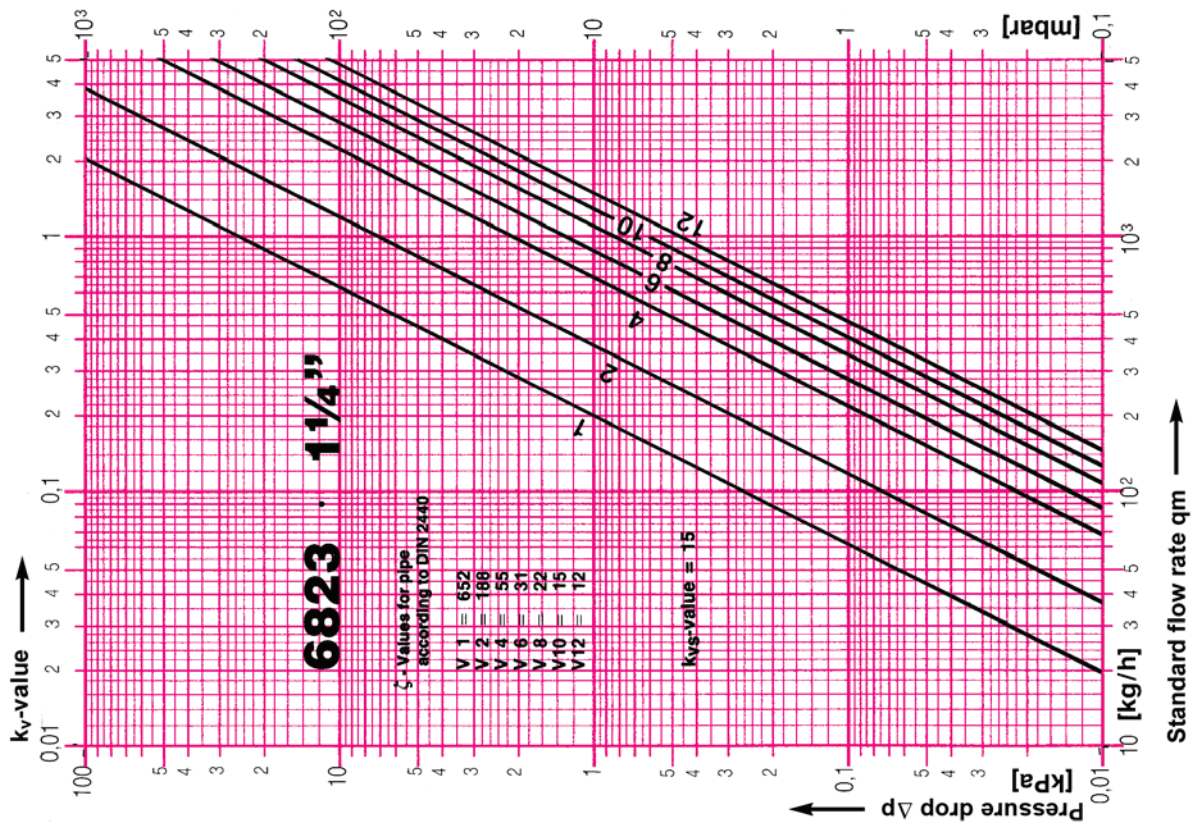
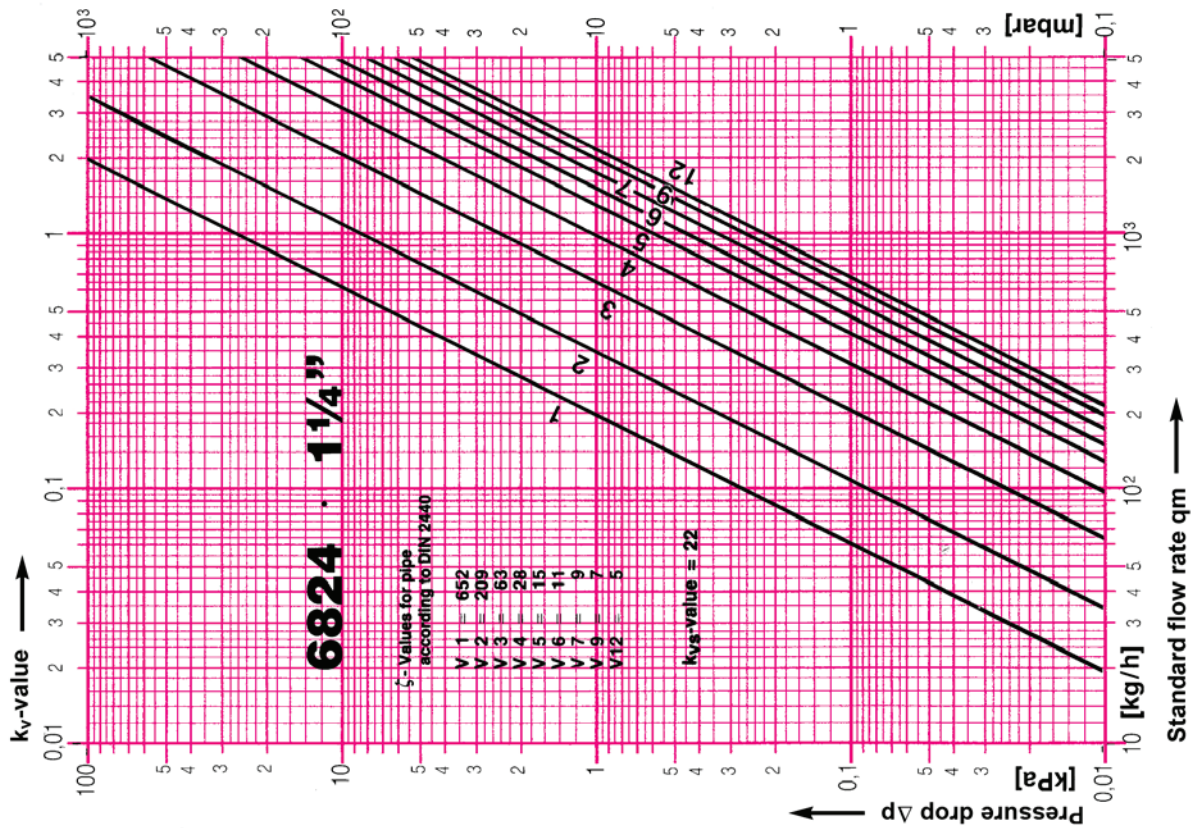


# HERZ Standard Diagram

HERZ-DR

Art. No. 6823 · 6824

Dim. DN 32 R=1 1/4"



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