

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

Standard Sheet for

6823/6824

Edition 1000 (0999)

6823

6824

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

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

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

Models

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

**Additional Models
3/8"–3/4"**

A separate standard sheet is available for these models.

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.

HERZ Armaturen

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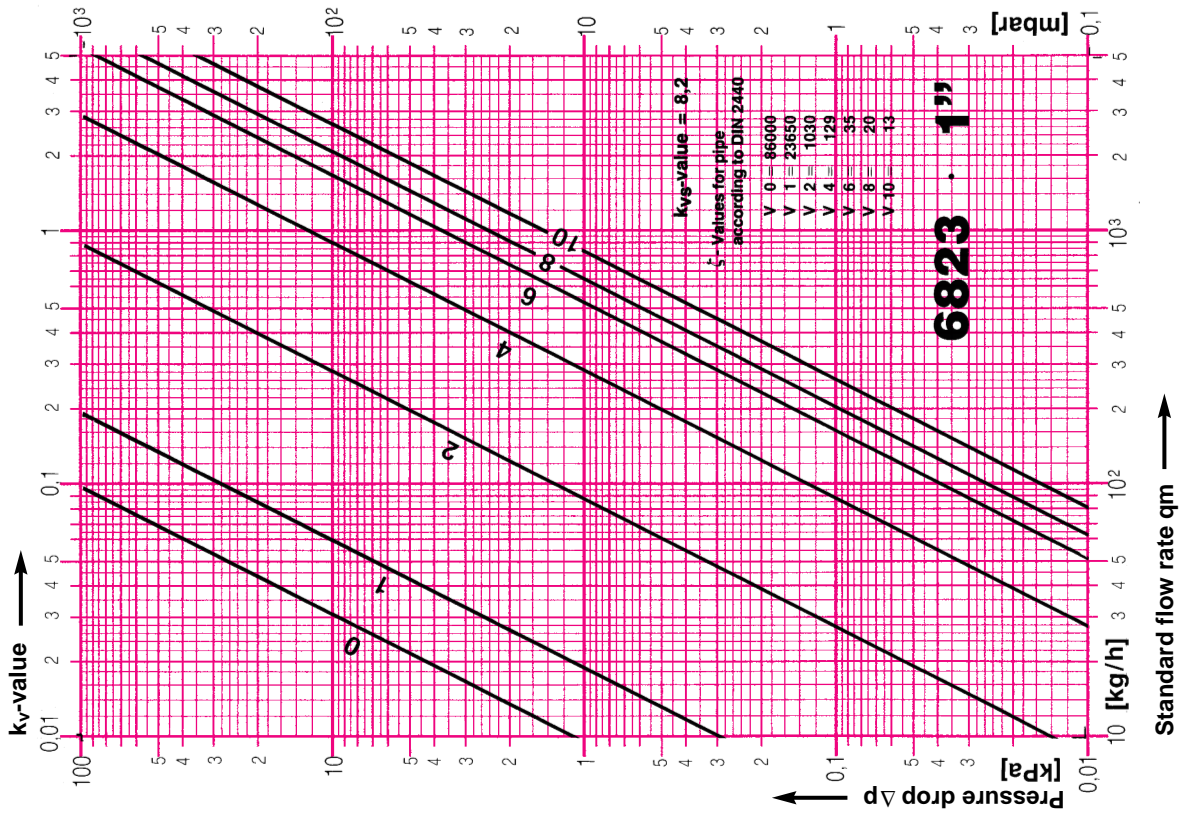
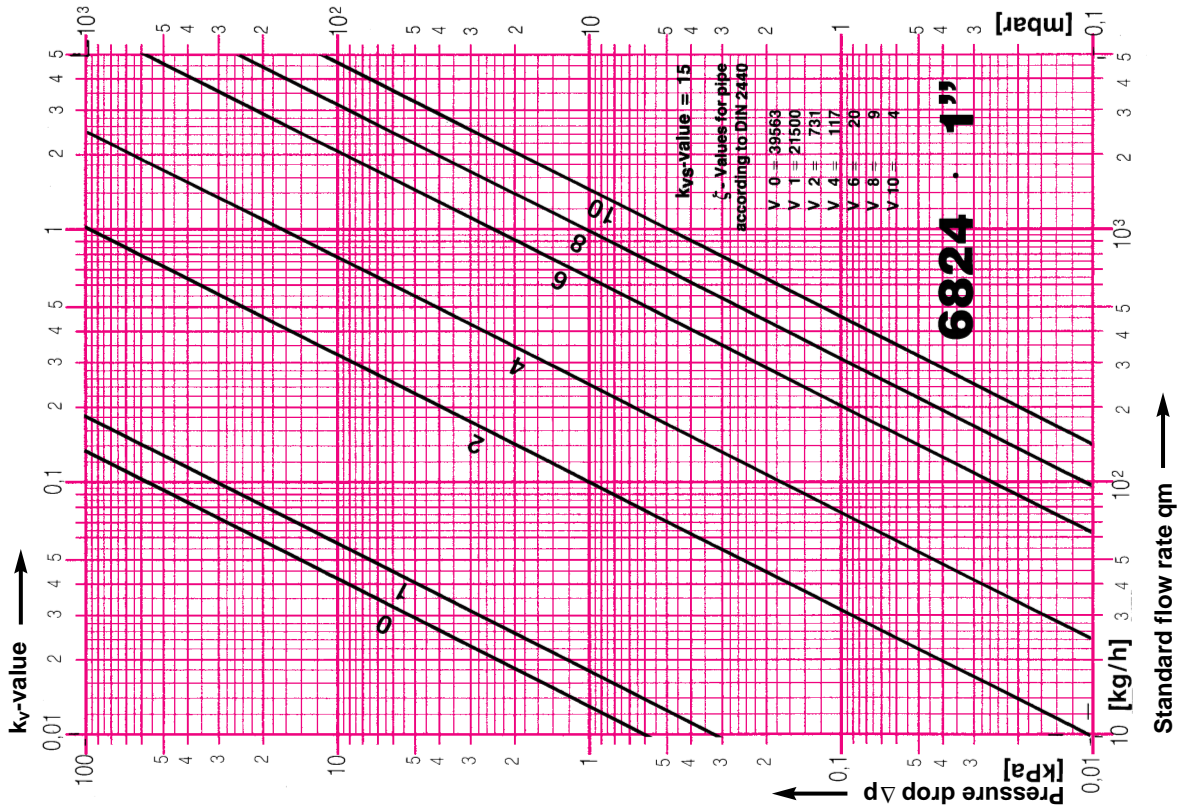
| | |
|---|--|
| Iron pipe connection 6209 with cone seal, installed. | Radiator Connection |
| <p>Pre-setting by means of telescopic flow restriction cone permits the flow rate to be reduced to approximately 1% while the full main spindle lift is available at any time. The pre-setting key Art. No. 6600 (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> | Pre-Setting |
| <ol style="list-style-type: none"> 1. Remove the handwheel. 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. 3. The scale on the key shaft makes it possible to perform the following pre-setting operations: <ol style="list-style-type: none"> 1. Turning the key head clockwise reduces the flow rate to a minimum by screwing in the inside spindle with pre-setting cone. 2. Turning the key head counterclockwise increased the flow rate from minimum to maximum. 4. After adjustment re-install the handwheel. | Pre-Setting Operation |
| <p>O-Ring</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"> 1. Seal the valve off towards upstream. Open the valve up to the stop by turning counterclockwise. Remove handwheel. 2. Unscrew O-Ring guide nut and remove O-Ring and Klingerit seal (hold against the upper part). 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. 4. Take the grease-lubricated O-Ring and Klingerit seal out of the box (supplied ready for installation). 5. Install sealing elements in the following order: <ol style="list-style-type: none"> 1. Klingerit seal 2. O-Ring 3. O-Ring guide nut 6. Tighten O-Ring guide nut slightly and put handwheel in place. <p>Order number for O-Ring box: 6710 red.</p> <p>The 1$\frac{1}{4}$" valves are sealed with a stuffing box packing instead of the O-Ring.</p> | <p>Spindle Seal HERZ-DR-1"</p> <p>Replacing the O-Ring</p> |
| <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.</p> | Models for Public Buildings |
| <p>1 6600 00 Pre-setting key</p> | Accessoires |
| <p>1 6310 93 HERZ-DR upper part for valve dimension 1"</p> <p>1 6510 03 Handwheel with platelet and screw</p> <p>1 6710 00 O-Ring box, red, for valve dimension 1"</p> | Spare Parts |
| <p>The flow diagrams inside this leaflet serve to determine the valve resistance values and show the individual pre-setting steps.</p> | Flow Diagrams |

HERZ Standard Diagram

HERZ-DR

Art. No. 6823 · 6824

Dim. DN 25 R=1"



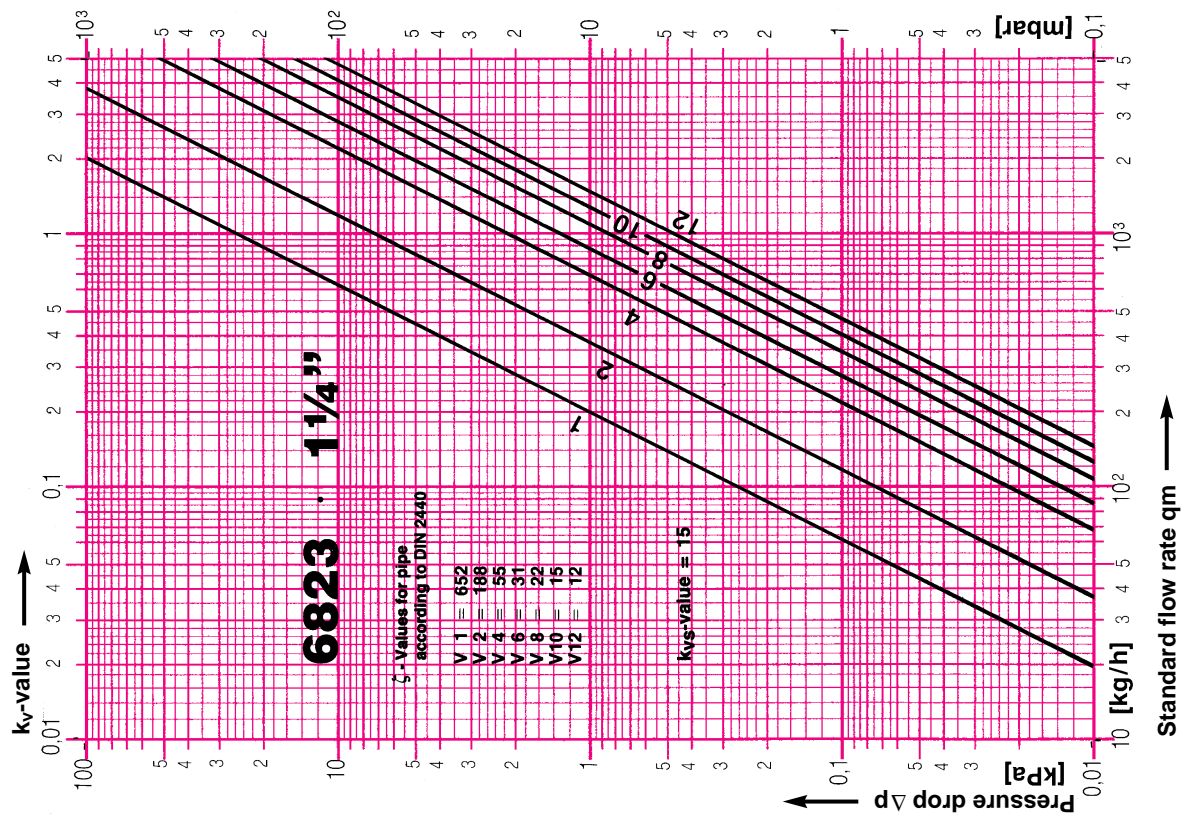
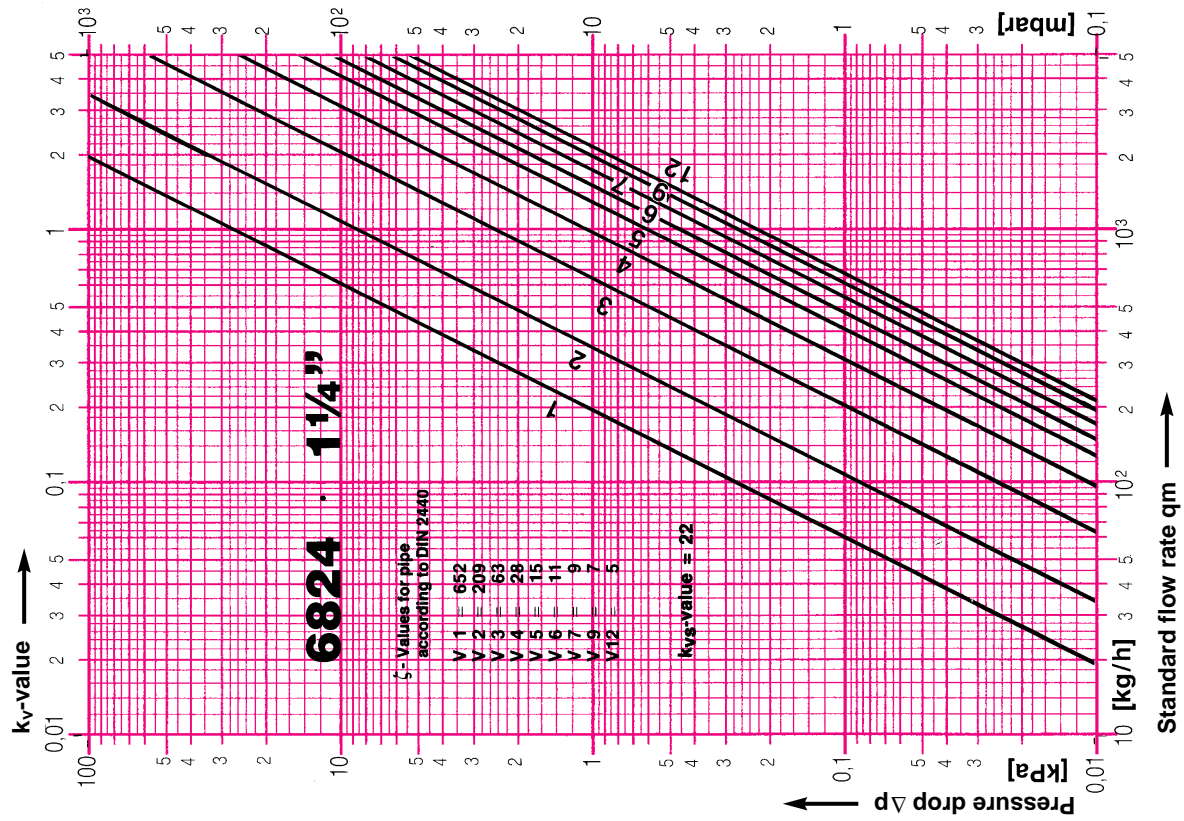
We reserve the right to make modifications.

HERZ Standard Diagram

Art. No. 6823 · 6824

HERZ-DR

Dim. DN 32 R=1 1/4"



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