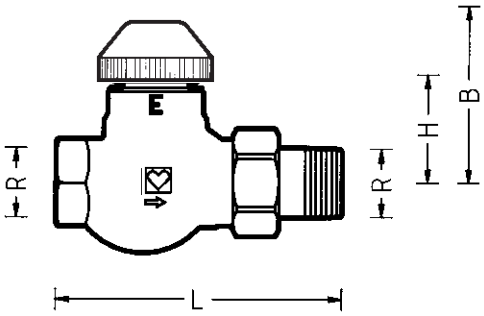
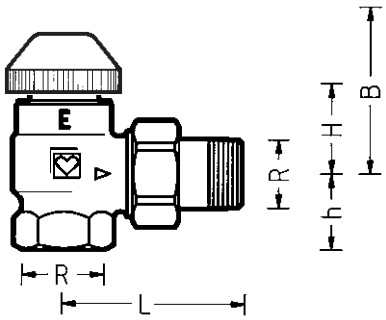
HERZ-TS-E

Thermostatic valve with lower parts maximum flow
Standard models

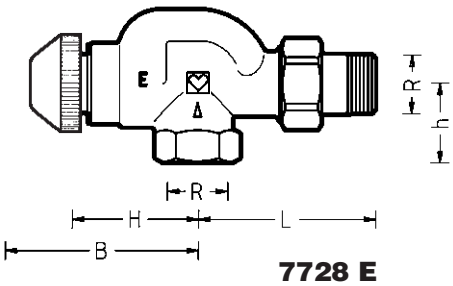
Data Sheet
HERZ-TS-E
Edition 0504 (0504)



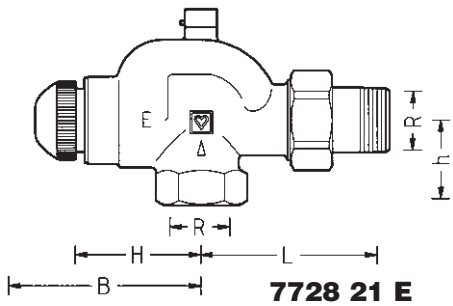
7723 E



7724 E



7728 E



7728 21 E

Dimensions in mm

Order No.	Description	DN	R	L	H	h
1 **7723** 11	Straight valve	15	1/2	95	43	—
1 **7723** 02		20	3/4	109	43	—
1 **7723** 03		25	1	126	43	—
1 **7724** 11	Angle valve	15	1/2	62	43	29
1 **7724** 02		20	3/4	66	35	29
1 **7724** 03		25	1	75	35	34
1 **7728** 11	Reverse angle valve	15	1/2	74	55	35
1 **7728** 02		20	3/4	80	55	35
1 **7728** 03		25	1	82	56	59
1 **7728** 21	with airbleeding	15	1/2	74	55	35

Standard models with threaded socket, nickel plated with white screw cap.

Models HERZ-TS-E

Universal models with special socket for threaded pipe and compression union

1 **7723** 01	**1/2**	Straight valve
1 **7724** 01	**1/2**	Angle valve
1 **7728** 01	**1/2**	Reverse angle value
1 **7758** 01	**1/2**	3-Axis Valve “AB”, valve to the left of radiator
1 **7759** 01	**1/2**	3-Axis Valve “CD”, valve to the right of radiator

A separate standard sheet is available for these values.

Other Models
HERZ-TS-90-E

Max. operating temperature	120 °C
Max. operating pressure	10 bar
Max. permissible differential pressure in operation	0.2 bar (with mechanical shutoff up to 4 bar)

Hot water quality conforming to ÖNORM H 5195 and/or VDI guideline 2035.

Operating Data

One or two pipe water heating systems.

Field of Application

R 1/2, R 3/4: Iron pipe connection 6210, cone seal, assembled.
It is recommended to use HERZ-assembly key 6680.

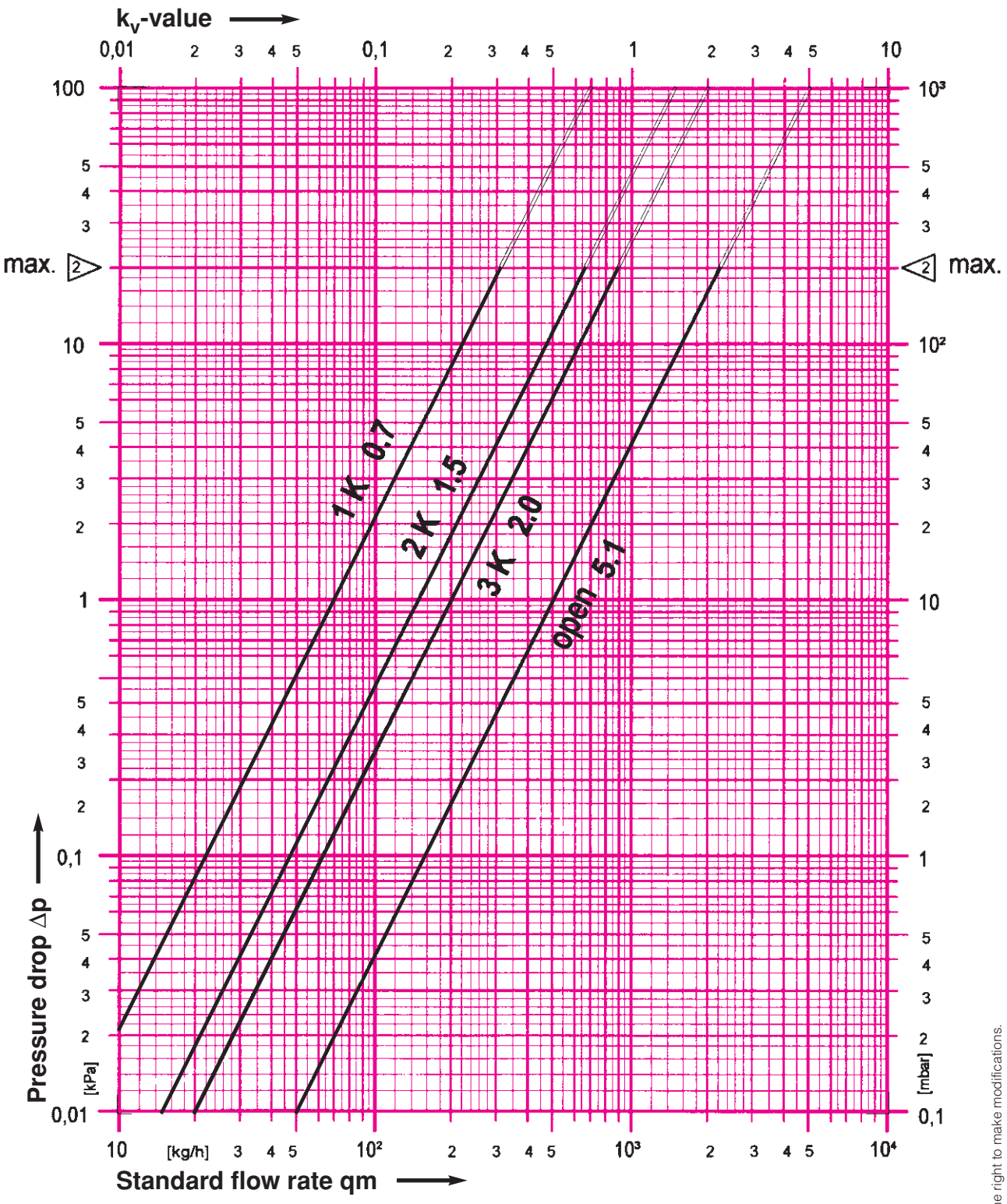
R 1: Iron pipe connection 6209, cone seal, assembled.

Radiator Connections

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

HERZ Armaturen
Richard-Strauss-Straße 22 • A-1230 Wien
e-mail: office@herz-armaturen.com • www.herz-armaturen.com

HERZ-Standard diagram	HERZ-TS-E
Order number **7723 E, 7724 E, 7728 E**	Dim. R=1/2, 3/4, 1



HERZ Armaturen
Richard-Strauss-Straße 22 • A-1230 Wien
e-mail: office@herz-armaturen.com • www.herz-armaturen.com

Further Connecting Options

Please refer to the HERZ-catalogue for order numbers

6210	1/2	Iron pipe connection, lengths 26 or 35 mm
6211	1/2	Reducing connection, 1/2 x 3/8
6218	1/2- 3/4	Long threaded bush, without nut, can be shortened to compensate for differences in structural dimensions, lengths 1/2 x 39, 42 and 76 mm; 3/4 x 70 mm
6218	1/2	Threaded bush, without nut, lengths 36,48 and 76 mm
6235	1/2 – 3/4	Soldering connection, 1/2 x 12, 15 and 18 mm; 3/4 x 18 mm
6249	1/2 – 3/4	Iron pipe connection elbow, without nut, with cone seal
6274	G 3/4	Compression union for copper and thin-walled steel pipes, for external pipe diameters 8,10,12,14,15,16 and 18 mm
6275	G 3/4	Compression union with soft seal for copper and thin-walled steel pipes, particularly suitable for hard special steel pipes and pipes with hard galvanised surfaces. For external pipe diameters 12,14 and 15 mm
6097, 6098	G 3/4	Compression union for PE-X-, PB and plastic composite pipes.

To be used at the socket side of the valve:

6219	1/2 x 3/4	Reduction socket, brass version, for pipe-valve connection, female thread (pipe) x male thread (valve), 1 x 1/2, 1 1/4 x 1/2, 1 x 3/4, 1 1/4 x 3/4
6066, 6067	M 22 x 1.5	Plastic pipe connection for PE-X-, PB and plastic composite pipes, to be used with adapter 1 6272 01 (R 1/2 x M 22 x 1.5)
6097, 6098	G 3/4	Plastic pipe connection for PE-X-, PB and plastic composite pipes, to be used with adapter 1 6266 01 (R 1/2 x G3/4).

For pipe dimensions of plastic pipe connections please refer to Herz-catalogue.

Spindle Seal

An O-ring is used as a spindle seal. It is located in a brass chamber which can be changed during operation. The O-ring keeps maintenance requirements at a minimum and permits smooth valve operation over a long period of time.

**HERZ-TS-90-
O-Ring Chamber**

Changing the O-ring

1. Remove the HERZ-thermostatic head and/or HERZ-TS hand wheel.
2. Then, unscrew the O-ring chamber including the O-ring and replace it with a new one. When doing this, use a wrench to hold the upper part. During dismantling, the valve is completely open and therefore sealed tight towards upstream. However, a few drops of water may leak out.
3. For re-assembly follow to the above steps in reverse sequence. When installing the HERZ-TS hand wheel, turn to make sure that the valve closes.

Order Number for O-ring set: 1 **6890** 00

HERZ-Thermostatic Valve

The screw cap is for operating during the installation phase (pipe flushing). The thermostatic valve is formed by removing the screw cap and screwing in the HERZ-thermostatic head without draining the heating system.

Adjustment of nominal lift by means of screw cap:

On the knurled part of the circumference of the screw cap there are two setting marks (webs) in alignment with the "+" and "-" marks.

Normal Lift

1. Close the valve by turning the screw cap clockwise.
2. Mark the position corresponding to the setting mark "+".
3. Turn the screw cap anti-clockwise until the setting mark "-" is at the position marked under item 2.

Installation

The lower part of the thermostatic valve is incorporated into the radiator intake with the flow in the direction of the arrow (arrow on the valve body). If possible, the HERZ-thermostatic head should be in a horizontal position in order to permit optimum room temperature control with minimum interference.

Important for Installation

Under no circumstances should the HERZ-thermostatic head be exposed to direct sunlight or to the effects of equipment emitting relevant quantities of heat, e.g. TV sets. If the radiator is covered by curtains this will lead to the formation of a heat accumulation zone in which the thermostat cannot sense the room temperature properly and consequently cannot control it. In such cases, use the HERZ-thermostat with remote sensor or the HERZ-thermostat with remote adjustment.

For detailed information on the HERZ-thermostats consult the individual standard sheets.

Summer Setting

After the end of the heating period open thermostats or handwheels completely by turning anti-clockwise, this prevents dirt particles accumulating at the valve seat.

HERZ-TS-Handwheel

In case the lower part of a HERZ-thermostatic valve is not equipped with a HERZ-thermostatic head the HERZ-TS hand wheel will replace the screw cap.

For assembly follow the enclosed instructions.

Accessoires

1 **6680** 00 HERZ-assembly key for connections
1 **6807** 90 HERZ-TS-90 assembly key

Handwheels

1 **9102** 80 HERZ-TS-90 handwheel, Series 9000 "Design"

Spare parts

1 **6379** 03 HERZ-TS-E Thermostat upperpart
1 **6890** 00 HERZ-TS-90 O-Ring-set