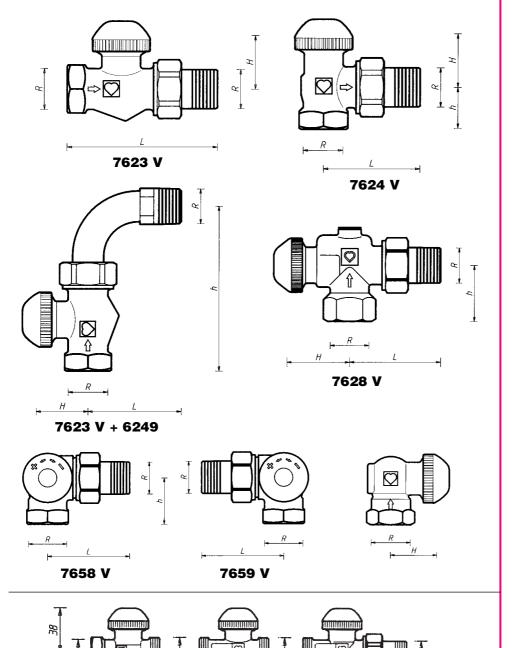
HER Z-TS-98-V

Standard Sheet

7623V/7624V/7628V 7658V/7659V

Edition 1000 (0999)

Valve Lower Parts with Continuous Pre-Setting with Readout





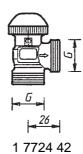
HERZ-TS-98-V Thermostatic upper part

Special Models

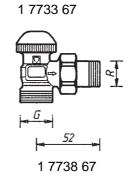
R = R 1/2" G = G 3/4

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

1 7723 71



1 7737 67



HERZ Armaturen

Richard-Strauss-Straße 22 • A -1230 Wien



Art. No.	Designation	DN	R	Ø	L	Н	h	Order No.	Dimensions in mm for Standard Series EN 215 T 2		
7623 V	Dimensional Series F	10	3/8"	12	75	27	_	1 7623 65	HD 1215		
	Straight valve	15	1/2"	15	83	27	_	1 7623 67			
7624 V	Dimensional Series F	10	3/8"	12	49	27	20	1 7624 65			
	Angle valve	15	1/2"	15	54	23	23	1 7624 67			
Art. No.	Model		R	Ø	L	Н	h	Order No.	Dimensions in mm		
7623 V	EN 215 F Straight valve with elbow Reverse angle model		3/8"	12	40	27	84	Valve and elbow	for HERZ-Series		
6249			1/2"	15	54	27	94	must be ordered separately			
<i></i>			3/8"	12	49	35	27	1 7628 65			
7628 V			1/2"	15	55	35	29	1 7628 67			
7658 V	AB		1/2"	15	53	26	31	1 7658 67			
7659 V	CD		1/2"	15	53	26	31	1 7659 67			
	nickel plated and sup			0					Models and Versions		
23 V 3/8'	els with special socke "-1/2" Straig "-1/2" Angle	on union:	HERZ-TS-98-V								
7628 V 3/8"-1/2" Reverse angle model 7658 V 1/2" 3-axis valve "AB", radiator to the right of the intake valve									HERZ-3-D-V		
559 V 1/2'	: 3-axis										
HERZ TS-98-V-valves in special versions, dimension 1/2" 1 7623 71 Straight model, universal socket x male thread G 3/4, with cone seal 1 7637 67 Straight model, 2 x male thread G 3/4, cone seal 1 7633 67 Straight model, radiator connection with cone seal, pipe connection male thread G 3/4 1 7624 71 Angle model, universal socket x male thread G 3/4, with cone seal 1 7624 42 Angle model, 2 x male thread G 3/4, cone seal 1 7638 67 Angle model, radiator connection with cone seal, pipe connection male thread G 3/4 1 7648 67 Angle model, special version, radiator connnection with cone seal, pipe connection male thread G 3/4									HERZ TS-98-V-valves in special versions		
HERZ-TS-90 Valves without pre-setting function HERZ-TS-90-E Valves with reduced resistance for one-pipe systems HERZ-TS-E Valves with maximum flow for one-pipe systems HERZ-TS-90-V Valves with continuous, concealed pre-setting HERZ-TS-90-kv Valves with fixed k _V -values for district heating systems Separate standard sheets are available for these models.									Other Models		
Maximum operating temperature 110 °C Maximum operating pressure 10 bar Heating water purity according to Austrian standard ÖNORM H 5195 and/or VDI-guideline 2035.									Operating Data		
When using HERZ compression unions for copper and steel pipes take into account the permissible emperature and pressure ratings according to EN 1264-2: 1998 specified in Table 5. A maximum operating temperature of 80 °C and maximum operating pressure of 4 bar applies for blastic pipe connections, if permitted by the pipe manufacturer.								HERZ Compression Unions			
Vater heating systems in which hydraulic balancing via return valves is not possible or not esired.									Field of Application		
	ection 6210, with con ded that the HERZ as				sed.				Radiator Connection		

To be used instead of the radiator connection and on the male thread G 3/4: Further **Connecting Options** 6210 1/2" Iron pipe connection, lengths 26 or 35 mm 6211 1/2" Reducing connection, 1/2" x 3/8" 6213 3/8" Reducing connection 3/8" x 1/2" 6218 3/8"-1/2"" Long threaded bush, without nut, can be shortened to compensate for differences in structural dimensions, lengths 3/8" x 40; 1/2" x 39, 42 and 76 mm 6218 1/2" Threaded bush, without nut, lengths 36, 48 and 76 mm 6235 3/8"-1/2" Soldering connection, 3 x 8" x12; 1/2" x 12, 15 and 18 mm 6249 3/8"-1/2" Iron pipe connection elbow, without nut, with cone seal 6274 Compression union for copper and thin-walled steel pipes, G 3/4 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 6098 G 3/4 Compression union for PE-X-, PB and plastic composite pipes. To be used at the socket side of the valve: Reduction socket, brass version, for pipe-valve 6219 1" x 1/2" connection, female thread (pipe) x male thread (valve), 1" x 1/2", 1¹/₄" x 1/2" Plastic pipe connection for PE-X-, PB and plastic composite pipes, 6066 M 22 x 1,5 to be used with adapter 1 6272 01 (R 1/2 x M 22 x 1.5) Plastic pipe connection for PE-X-, PB and plastic composite pipes, 6098 G 3/4 to be used with adapter 1 6266 01 (R 1/2 x G 3/4). For pipe dimensions of plastic pipe connections please refer to Herz catalogue. The universal models are equipped with special sockets offering the option of connecting either a **Pipe Connection** threaded pipe or a calibrated soft-steel or copper pipe, the latter two by means of a compression union. The compression union must be ordered separately. When using R = 1/2" valves for external pipe diameters of 10, 12, 14, 16, and 18 mm, use adapter Art. No. 6272 between valve and compression union. Pipe Ø D mm 12 12 14 15 16 18

Valve R = 3/8"			1/2"						
Adapter	Order No.		1 6272 01	1 6272 01	1 6272 01		1 6272 01	1 6272 11	
Compression Union	Order No.	1 6292 00	1 6284 00	1 6284 01	1 6284 03	1 6292 01	1 6284 05	1 6289 01	
We are good union as more also use for the installation of soft steel or company place with company of									

We suggest using support sleeves for the installation of soft steel or copper pipes with compression union. For perfect compression union installation, it is imperative to lubricate the thread of the locking nut as well as the olive with oil. We refer to our instructions for installation.

Presetting is performed by means of a flow restrictor downstream of the valve seat enclosing the seat seal. This flow restrictor is continuously adjustable from outside. It does not obstruct the working lift of the valve spindle.

Presetting can be performed manually by means of the orange presetting button, by setting the pointer on the presetting button to the figure on the scale of the upper part obtained by calculation or from the HERZ standard diagram.

For convenient presetting, the HERZ-TS-98 setting key (1 6819 98) is available. which engages with the teeth of the presetting button.

HERZ-TS-90 valves are available in four series with different upper parts.

- HERZ-TS-90 standard version
- HERZ-TS-90-k_V thermostatic valves with fixed k_V-values
 HERZ-TS-90-V thermostatic valves with continuous presetting
- HERZ-TS-98-V thermostatic valves with continuous presetting and readout

If it turns out, while the heating system is in operation that another upper part is to be preferred for individual control of volume flows through the radiator, the HERZ-tool makes replacing of the upper part easy, even while the heating system is on.

The seat seal can be cleaned in the same way. This is an easy way of removing defects in radiator thermostatic valves, caused, e.g., by foreign substances such as dirt, welding or soldering

When working with the HERZ changing tool follow the instructions enclosed with this device.

Presetting Function

Compatible with HERZ-TS-90 **Changing the Upper Part** of a Thermostatic Valve

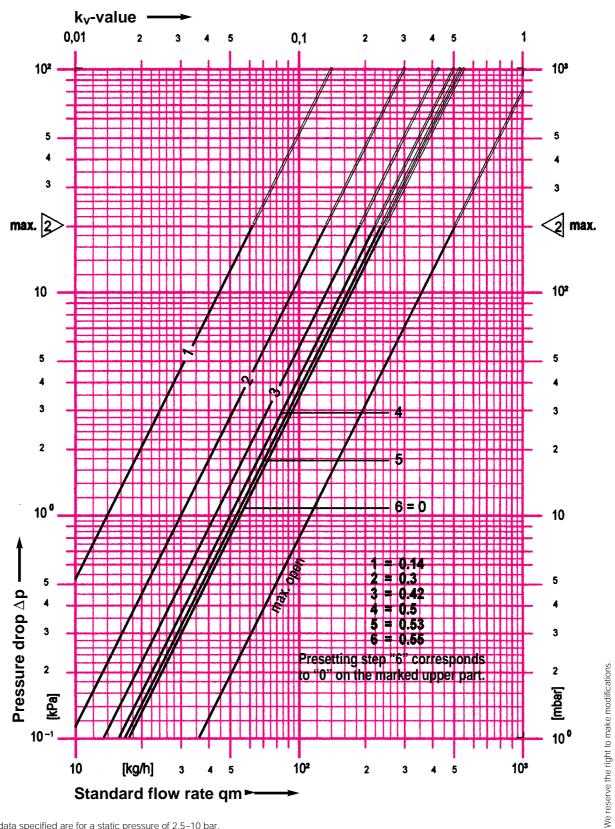


1. Remove HERZ thermostatic head, handwheel or screw cap. **Setting Process** 2. Directly set the orange setting button (set between 4 and 5 by the manufacturer) to the desired presetting step 1–6 (0) either manually or by means of the setting key (1 **6819** 98) 3. Install HERZ thermostatic head or handwheel. The value set is thus secured HERZ-TS-98-V-**Setting Key** 1 **6819** 98 The spindle seal is a special sealing ring which keeps maintenance requirements at a minimum and ensures ease of valve operation over a long period of time. If the spindle seal is worn, the valve upper Spindle Seal part is replaced which means simultaneous replacement of the seat seal which may also be damaged. The presetting step is to be re-set after changing the upper part.

1. Remove the HERZ thermostatic head or the HERZ-TS handwheel. Unscrew and remove the old upper part and replace it with a new one.
 Replace HERZ thermostatic head or HERZ-TS handwheel. The upper part can be changed by means of the HERZ changing tool while the heating system is HERZ-TS-98-Vunder pressure. Follow the instructions for the HERZ changing tool. Valve Upper Part Order Number for HERZ-TS-98-V Valve upper part: 1 6367 98 The screw cap is used for operation during the installation phase (pipe flushing). The thermostatic **HERZ-Thermostatic Valve** valve is formed by removing the screw cap and screwing in the HERZ thermostatic head without draining the heating system. **Nominal Lift** 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 Close the valve by turning the screw cap clockwise Mark the position corresponding to the setting mark "+"
Turn the screw cap anticlockwise until the setting mark "-" is at the position marked according to item 2. In the exceptional case that the HERZ thermostatic valve lower part is not equipped with a HERZ **HERZ-TS** thermostatic head, the HERZ-TS handwheel is used to replace the screw cap. Handwheel During installation, follow the instructions enclosed with the handwheel 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 and minimise interference. Under no circumstances should the HERZ thermostatic head be exposed to direct sunlight or to the Important for Installation 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 and consequently is not in a position to properly 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. After the end of the heating period open the valve completely by turning it in an anti-clockwise **Summer Setting** direction to prevent dirt deposits at the valve seat. Assembly key for radiator connections HERZ-TS-90 Assembly key 1 6680 00 Accessoires **6807** 90 HERZ-TS-98-V Setting key 1 **6819** 98 1 **7780** 00 HERZ Changing tool, changing tool for thermostat upper parts 1 **7102** 80 HERZ-TS-90 Handwheel. Series 7000 with pre-setting and locking function. Handwheels HERZ-TS-FV Handwheel, Series 9000 "Design" 1 9102 80 1 6367 98 HERZ-TS-98-V Thermostatoberteil **Spare Parts**

HERZ Standard Diagram	HERZ-TS-98-V
Art. No. 7623 V – 7659 V	Dim. DN 10 R = 3/8" · DN 15 R = 1/2"

Valve dimensioning (Δ p) must be performed in accordance with the "VDMA-Instruction Sheet for Planning and Hydraulic Balancing of Heating Systems with Thermostatic Radiator Valves."



The data specified are for a static pressure of 2.5–10 bar.

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