HERZ-TS-90-V

Valve – Lower Parts Continuous Presetting

Standard Sheet 7723 V/7724 V/7728 V 7758 V/7759 V Edition 1000 (0999)



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		
7702 V	Dimensional Series F	10	3/8"	12	75	27	_	1 7723 65	HD 1215		
1123 V	Straight valve	15	1/2"	15	83	27	_	1 7723 67			
7704 V	Dimensional Series F	10	3/8"	12	49	27	20	1 7724 65			
//24 V	Angle valve	15	1/2"	15	54	23	23	1 7724 67			
ArtNo.	Design Type)	R	Ø	L	н	h	Order No.	Dimensions in mm		
7723 V	EN 215 F	EN 215 F Straight valve with elbow		12	40	27	84	Valve and elbow	for HERZ-Series		
6249	with elbow			15	54	27	94	separately			
7700 V	Reverse angl	e	3/8"	12	49	35	27	1 7728 65			
//28 V	model		1/2"	15	55	35	29	1 7728 67			
7758 V	AB	AB		15	53	26	31	1 7758 67			
7759 V	CD		1/2"	15	53	26	31	1 7759 67			
All models are r Universal mode 7723 V 3/8" 7724 V 3/8"	nickel plated and su els with special socke –1/2" Straight mo –1/2" Angle mode	on union:	Models and Versions HERZ-TS-90-V								
7728 V 3/8" 7758 V 1/2"	-1/2" Reverse and 3-axis valve	gle mod "AB", r	lel adiator t	o the ric	iht of the	e intake	valve		HER7-3-D-V		
7759 V 1/2"	3-axis valve	"CD", r	adiator	to the lef	ft				HERE-J-D-V		
Universal mode	els in straight and an	gle vers	ions are	also av	ailable f	or dimer	nsion se	ries "D".			
HERZ TS-90-V-1 1 7723 71 1 7737 67 1 7733 67 1 7724 71 1 7724 42 1 7738 67	valves in special ver Straight model, univ Straight model, 2 x Straight model, radi connection male thr Angle model, univer Angle model, 2 x m Angle model, radiat	HERZ-TS-90 Special Versions									
HERZ-TS-90 HERZ-TS-90-E HERZ-TS-E HERZ-TS-98-V HERZ-TS-90-k Separate stand	Valves withou Valves with re Valves with m Valves with co Valves with fin ard sheets are availa	Other Models									
Maximum opera Maximum opera Heating water p	ating temperature ating pressure purity according to A	Operating Data									
When using HE temperature an A maximum op plastic pipe cor	RZ compression union di pressure ratings a erating temperature nnections, if permitte	HERZ Compression Union									
Water heating desired.	systems in which	Field of Application									
Iron pipe conne It is recommend	ection 6210, with cor ded that the HERZ as	Radiator Connection									

To be us	ed instead of th	ne radiato	or connect	tion; on bo	oth sides	in case of	7737	VX:				1	Further Connecting
6210	1/2"	lro ler	Iron pipe connection, lengths 26 or 35 mm.										Options
6211	1/2"	Re	Reducing connection, 1/2" x 3/8"										Please refer to the
6213	3/8"	Re	Reducing connection 3/8" x 1/2"										order numbers
6218	3/8"–1/2""	Lo for ler	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"	Th ler	Threaded bush, without nut, lengths 36,48 and 76 mm.										
6235	3/8"-1/2"	So 3/8	Soldering connection, 3/8" x12; 1/2" x 12, 15 and 18 mm.										
6249	3/8"-1/2"	Iro	Iron pipe connection elbow, without nut, with cone seal.										
6274	G 3/4	Cc for	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	Cc pir wit Fo	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	Сс	ompressic	on union fo	or PE-X-, F								
To be used at the socket side of valves													
6219	1/2" Reduction socket, brass version, for pipe-valve connection, internal thread (pipe) x external thread (valve).												
6066	M 22 x 1,5	1" Pla	1" x 1/2", 11/4" x 1/2". Plastic pipe connection for PE-X, PB-, and plastic composite pipes,										
6098	G 3/4	Pla	To be used with adapter 1 6272 01 (K $1/2 \times M 22 \times 1.5$) Plastic pipe connection for PE-X, PB-, and plastic composite pipes, to be used with adapter 1 6266 01 (B $1/2 \times C 2/4$)										
Pipe dim	ensions of plas	stic pipe c	connectio	ns accord	ling to HE	RZ catalo	gue.	.,					
When us Art. No. o Pipe Ø I Valve Adapter Compres We sugg union. Fo nut as w Presettin	sing R = 1/2" va 6272 between " 0 mm ssion Union gest using suppor perfect comp ell as the olive " g is performed	R = Order No. Order No. Order No. wort sleeve with oil. W	12 3/8" 1 6292 00 es for the nion insta Ve refer to	10 10 16272 01 16284 00 116284 00 installation, it is our instru-	12 1 6272 01 1 6284 01 1 of soft s s imperati actions for downstre	0, 12, 14, 14 1, 1 6272 01 1 6284 03 teel or co ve to lubri r installation am of the	16, and 15 2" 1 6292 Oper p cate th on. valve s	d 18	3 mm, us 16 1 6272 01 1 6284 05 s with co read of t enclosir	se a	18 6272 11 6289 01 ression locking he seat		Presetting Function
Preseturing 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. Any set presetting step is protected against tampering by unauthorised persons. Setting of the upper part is performed by means of the HERZ setting key (1 6809 67). This key consists of two parts, hand wheel and graduated disk.													
 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 residues. When working with the HERZ changing tool follow the instructions enclosed with this device. 										Compatible with HERZ-TS-90 Changing the Upper Part of a Thermostatic Valve			

 Remove H Unscrew the valve a Screw the Turn the h Turn grad handle. Hold grad to the indii Unscrew p Tighten cc Install HEF The value set 	ERZ thermostatic head, hand wheel or screw cap. he cover screw. Use the insert stored in the handle of the presetting key to engage with and slacken the cover screw by turning anticlockwise. presetting key onto the valve and make sure that the teeth engage. andle of the key clockwise up to the stop. This is the starting point for setting. uaded disk in such a way that the indicator nose corresponds to the "0"-mark of the uated disk and turn the handle anticlockwise until the desired setting step corresponds cator nose. presetting key from the valve without changing the step set. wer screw by hand AZ thermostatic head or hand wheel. is secured and inaccessible to unauthorised persons	Setting Process
The spindle s and ensures upper part is damaged. The presettin 1. Remove th 2. Unscrew a 3. Replace H The upper p pressure. Tak Order Numbe	seal is a special sealing ring which keeps maintenance requirements at a minimum ease of valve operation over a long period of time. If the spindle seal is worn, the valve replaced which means simultaneous replacement of the seat seal which may also be g stage is to be re-set after changing the upper part. he HERZ thermostatic head or the HERZ-TS handwheel. and remove the old upper part and replace it with a new one. IERZ thermostatic head or HERZ-TS handwheel. art can be changed by means of the HERZ-tool while the heating system is under e into account the instructions for the use of this tool. er for HERZ-TS-90-V Valve upper part: 1 6367 97	Spindle Seal
The screw ca valve is form draining the H Adjustment o On the knurk alignment wit 1. Close the 2. Mark the p 3. Turn the s to item 2.	p is used for operation during the installation phase (pipe flushing). The thermostatic ed by removing the screw cap and screwing in the HERZ thermostatic head without neating system. If nominal lift by means of screw cap: ed part of the circumference of the screw cap there are two setting marks (webs) in h the "+" and "-" marks. valve by turning the screw cap clockwise position corresponding to the setting mark "+" crew cap anticlockwise until the setting mark "-" is at the position marked according	HERZ-Thermostatic Valve Nominal Lift
In the except thermostatic During install	ional case that the HERZ thermostatic valve lower part is not equipped with a HERZ nead, the HERZ-TS handwheel is used to replace the screw cap. ation, follow the instructions enclosed with the handwheel.	HERZ-TS Handwheel
The lower pa direction of th a horizontal p	rt of the thermostatic valve is incorporated into the radiator intake with the flow in the e arrow (arrow on the valve body). If possible, the HERZ thermostatic head should be in osition in order to permit optimum room temperature control and minimise interference.	Installation
Under no circ effects of equ curtains this sense the ro thermostat wi For detailed i	sumstances should the HERZ thermostatic head be exposed to direct sunlight or to the ipment emitting relevant quantities of heat, e.g. TV sets. If the radiator is covered by will lead to the formation of a heat accumulation zone in which the thermostat cannot om temperature and consequently cannot control it. In such cases, use the HERZ th remote sensor or the HERZ thermostat with remote adjustment. Information on the HERZ thermostats consult the individual standard sheets.	Important for Installation
After the enc direction to p	l of the heating period open the valve completely by turning it in an anti-clockwise revent dirt deposits at the valve seat.	Summer Setting
1 6680 00 1 6807 90 1 6808 67 1 6809 67 1 7780 00 1 7102 80 1 9102 80	HERZ Assembly key for radiator connections HERZ-TS-90 Assembly key HERZ-TS-90-V Setting key red, for valves with hexagon O-ring screw (old model) HERZ-TS-90-V Setting key blue, for valves with cover screw with teeth (new model) HERZ changing tool for thermostat upper parts HERZ-TS-90 Handwheel, Series 7000 with pre-setting and locking functions HERZ-TS-90 Handwheel, Series 900 "Design".	Accessoires Handwheels
1 6367 97	HERZ-TS-90-V thermostatic upper part	Spare Parts

HERZ Standard Diagram

HERZ-TS-90-V

Art. No. 7723 V - 7759 V

Dim. DN 10 R = 3/8" · DN 15 R = 1/2"



HERZ Armaturen

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