

oventrop

Innovation + Quality

Valves, controls + systems

Products Catalog



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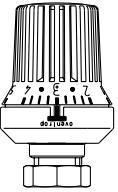
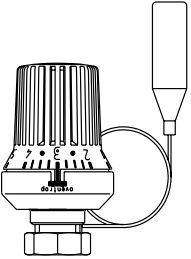
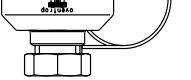
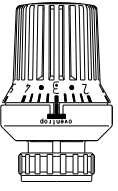
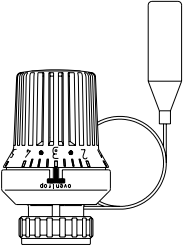
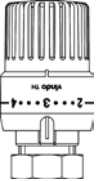

Notes

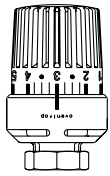
Oventrop's Standard Terms and Conditions of Sale and Warranty apply.

If not stated otherwise, all hydronic parts in this list are suitable for hot water with an operating temperature of up to 240 °F and an operating pressure of up to 50 psi.

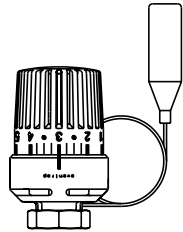
For information on additional items,
please visit our website
www.oventrop-us.com

Upon request, we will gladly investigate availability and pricing of items not mentioned in this book.

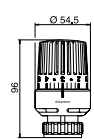
Item	Box qty.	Item no.	Information
 <p>Thermostat "Uni XH" connection thread M 30x1.5 with liquid sensor white model</p>	(10)	101 13 65	<p>These actuators provide a simple means of controlling space temperature by adjusting the flow rate through the heater.</p> <p>Modulating (not on-off) control that enables automatic matching of heat loss.</p> <p>Temperature setting may be limited and set by user. Memory disc to mark favorite setpoint. Maximum heating water temperature 248 °F. "0" setting = positive "off" "f" setting = freeze protection</p>
 <p>white model with remote sensor capillary 6½ feet</p>	(10)	101 15 65	<p>Temperature range 42 - 84 °F Markings on the dial 0,f, 1-5</p>
 <p>capillary 16 feet</p>	(10)	101 15 66	
 <p>Thermostat "Uni XD" squeeze connection with liquid sensor white model</p>	(10)	101 13 75	<p>These thermostats can be fitted without an adapter to Danfoss valves, series RA (squeeze connection) and Buderus radiators with integrated valve assembly.</p> <p>Squeeze connection with collar nut: easy installation close connection</p>
 <p>white model with remote sensor capillary 6½ feet</p>	(10)	101 15 75	<p>Temperature setting may be limited and set by user. Memory disc to mark favorite setpoint. Maximum heating water temperature 248 °F. "0" setting = positive "off" "f" setting = freeze protection</p> <p>Temperature range 42 - 84 °F Markings on the dial 0,f, 1-5</p>
 <p>Thermostat "Vindo" connection thread M 30x1.5 with liquid sensor compact white model</p>	(10)	101 30 66	<p>Temperature setting may be limited by user through use of hidden limiting guides. Maximum heating water temperature 248 °F. "0" setting = positive "off" "f" setting = freeze protection</p> <p>Temperature range 42 - 84 °F Markings on the dial 0,f, 1-5</p>
 <p>Thermostat "Vindo" squeeze connection with liquid sensor compact white model</p>	(10)	101 30 76	<p>These thermostats can be fitted without an adapter to Danfoss valves, series RA (squeeze connection) and Buderus radiators with integrated valve assembly.</p> <p>Same setting features as "Vindo" above.</p>



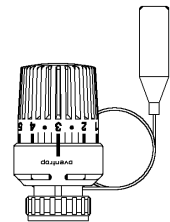
Item	Box qty.	Item no.	Information
Thermostat "Uni LH" connection thread M 30x1.5 with liquid sensor			Temperature setting may be limited or locked by use of internal and tamper-resistant limiting guides. Tool is required for limiting and locking. See page 8 for ring loosening tool. Memory disc to mark favorite setpoint. Maximum heating water temperature 248 °F. "0" setting = positive "off" "f" setting = freeze protection
white model	(10)	101 14 65	
chrome model	(10)	101 14 69	



white model with remote sensor			Temperature range 42 - 84 °F Markings on the dial 0,f, 1-5
capillary 6½ feet	(10)	101 16 65	



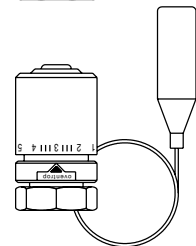
Thermostat "Uni LD" squeeze connection with liquid sensor			
white model	(10)	101 14 75	



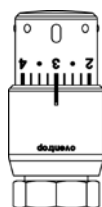
white model with remote sensor			
capillary 6½ feet	(10)	101 16 85	



Thermostat "Uni DH" with wax sensor compact model connection thread M 30x1.5			Maximum heating water temperature 248 °F. "0" setting = positive "off" "f" setting = freeze protection
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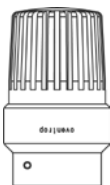


white model	(10)	101 10 65	Temperature range 42 - 84 °F Markings on the dial 0,f, 1-5
white model with remote sensor			Without "0" positive off setting Temperature range 42 - 84 °F Markings on the dial f, 1-5
capillary 6½ feet	(10)	101 11 65	



Thermostat "Uni SH" with liquid sensor connection thread M 30 x 1.5 marking "Uni SH" hidden inside			With easy-to-read setting device. Maximum heating water temperature 248 °F. "0" setting = positive "off" "f" setting = freeze protection
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white/chrome plated model	(10)	101 20 65	Temperature range 42 - 84 °F Markings on the dial 0,f, 1-5
in stainless steel finish	(10)	101 20 85	With mounted design cover.

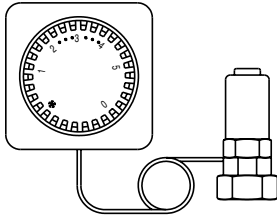


Thermostat "Uni LHB" with liquid sensor connection thread M 30 x 1.5 white model	(10)	101 14 10	Lockshield configuration with integrated anti-theft device. Increased flexional strength up to 220 lbs. Setting key is required for setting the temperature value. See page 8 for setting tool.
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Without "0" positive off setting
Temperature range 42 - 84 °F

Item	Box qty.	Item no.	Information
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for Oventrop zone/radiator valves
M 30 x 1.5 connection



Thermostat with remote control "Uni FH"
with liquid sensor
connection thread M 30 x 1.5

Wall-mounted thermostats with remote control and remote transmission (for radiators, baseboard, floor heating, fan coils).
Temperature setting may be limited or locked through use of internal limiting guides.
Maximum heating water temperature 248 °F.
"0" setting = positive "off"
"f" setting = freeze protection

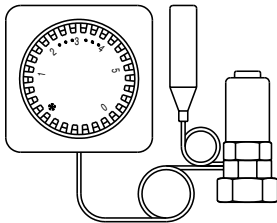
white model

capillary 6½ feet (40) 101 22 95

capillary 16 feet (40) 101 22 96

capillary 33 feet (40) 101 22 97

Temperature range 42 - 84 °F
Markings on the dial 0,f, 1-5

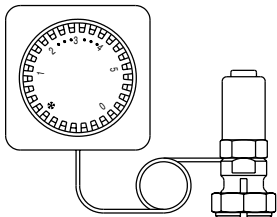


white model
with additional remote sensor

capillary 6½ feet (40) 101 23 95

capillary 16 feet (40) 101 23 96

for Danfoss radiator valves
RA squeeze connection



Thermostat with remote control "Uni FD"
squeeze connection
with liquid sensor

These thermostats can be fitted without an adapter to Danfoss valves, series RA (squeeze connection).

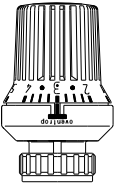
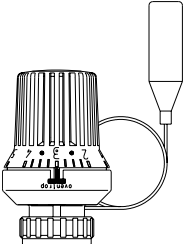
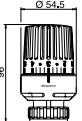
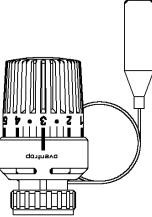
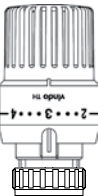
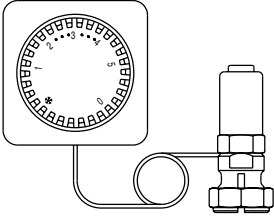
Wall-mounted thermostats with remote control and remote transmission (for radiators, baseboard, floor heating, fan coils).

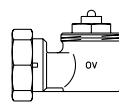
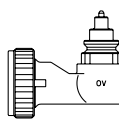
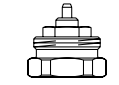
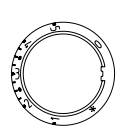

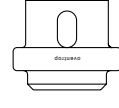
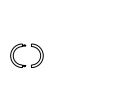
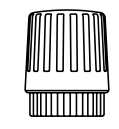
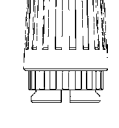
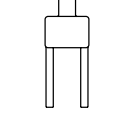

white model

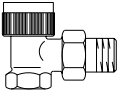
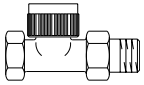

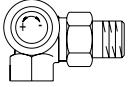
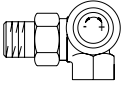
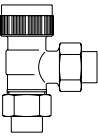


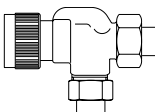
capillary 6½ feet (40) 101 22 75

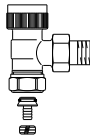


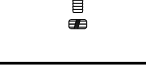
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Maximum heating water temperature 248 °F.
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"f" setting = freeze protection

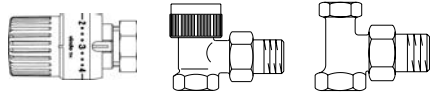
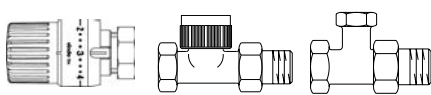
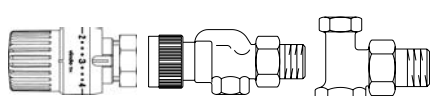
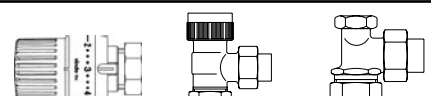
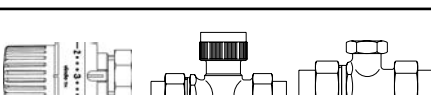
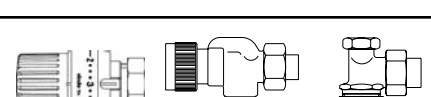
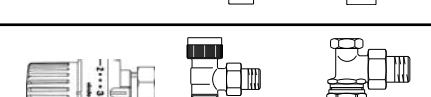
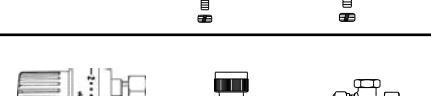
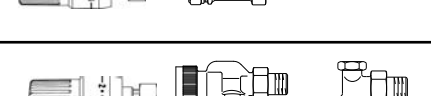
Temperature range 42 - 84 °F
Markings on the dial 0,f, 1-5

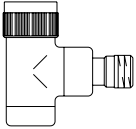
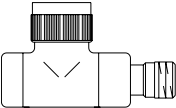





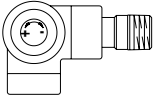
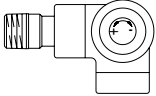
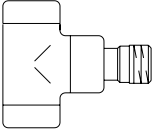
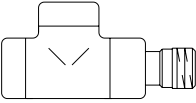

Item	Box qty.	Item no.	Information	
	Thermostat "Uni XD" squeeze connection with liquid sensor	(50)	101 13 75	These thermostats can be fitted without an adapter to Danfoss valves, series RA (squeeze connection) and Buderus radiators with integrated valve assembly. Squeeze connection with collar nut: easy installation close connection
	white model with remote sensor capillary 6½ feet	(10)	101 15 75	Temperature setting may be limited and set by user. Memory disc to mark favorite setpoint. Maximum heating water temperature 248 °F. "0" setting = positive "off" "f" setting = freeze protection Temperature range 42 - 84 °F Markings on the dial 0,f, 1-5
	Thermostat "Uni LD" squeeze connection with liquid sensor white model	(10)	101 14 75	
	white model with remote sensor capillary 6½ feet	(10)	101 16 85	
	Thermostat "Vindo" squeeze connection with liquid sensor Compact	(10)	101 30 76	These thermostats can be fitted without an adapter to Danfoss valves, series RA (squeeze connection) and Buderus radiators with integrated valve assembly. Temperature setting may be limited by user through use of hidden limiting guides. Maximum heating water temperature 248 °F. "0" setting = positive "off" "f" setting = freeze protection Temperature range 42 - 84 °F Markings on the dial 0,f, 1-5
	Thermostat with remote control "Uni FD" squeeze connection with liquid sensor	(40)	101 22 75	Wall-mounted thermostats with remote control and remote transmission (for radiators, baseboard, floor heating, fan coils). Temperature setting may be limited or locked through use of internal limiting guides. Maximum heating water temperature 248 °F. "0" setting = positive "off" "f" setting = freeze protection Temperature range 42 - 84 °F Markings on the dial 0,f, 1-5

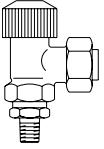
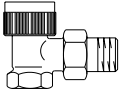
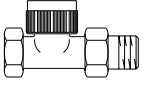
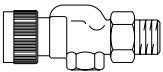
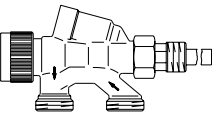
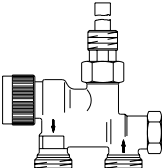
	Item	Box qty.	Item no.	Information
	Right angle pattern adapter M 30 x 1.5/M 30 x 1.5 white model	(10)	101 14 50	For the connection of the thermostats at a right angle. For Oventrop radiator valves with connection M 30 x 1.5.
	Right angle pattern adapter squeeze connection/squeeze connection white model	(10)	101 14 52	For Danfoss radiator valves series RA, or for Buderus radiators.
	Thread adapter, nickel plated from M 30 x 1.0 to M 30 x 1.5	(10)	101 14 45	For the conversion of actuator connection thread
	"Uni-Clip" vertical reading adapter ring for "Uni XH" and "Uni XD" thermostats			Transposes setting numbers from horizontal to vertical reading.
	Thermostat mounted right side	(50)	101 13 96	
	Thermostat mounted left side	(50)	101 13 97	
	Vandal guard for thermostat "Uni XH" white model	(25)	101 17 66	
	Vandal guard for thermostat "Uni DH" white model	(10)	101 19 11	Prevents unauthorized removal of thermostat. Includes Allen key. Minimum order quantity = 5
	2 piece trim ring to hide nickel plated lock nut of "Uni XH"	(50)	101 13 93	Minimum order quantity = 5
	Manual temperature adjuster for all valves with M 30 x 1.5 thread	(10)	101 25 65	
	with squeeze connection for Danfoss valves		101 25 75	
	"Uni LH" tool To loosen the graduation cap and clip Bag of 5 pieces		198 91 00	
	"Uni LHB" setting key for lockshield thermostat "Uni LHB"		101 14 97	To set the nominal temperature value for the thermostat.

Item	Connection	Box qty.	Item no.	Information
<p>Zone/radiator valves Connection thread M 30 x 1.5 bronze/brass, nickel plated</p>				
<p>“Series AZ” (for hot water) Threaded valves</p>				
	Angle pattern valve	NPT/NPT		<p>The Oventrop “Series AZ” radiator valves can be used with four types of actuators:</p> <ol style="list-style-type: none"> 1. Manual adjuster (included) 2. Thermostat (non-electric) 3. Thermostat-remote control (non-electric) 4. 24 V electric for on/off control <p>All valve inserts are replaceable under working conditions by means of the special tool “Demo-Bloc.” Heating system does not need to be drained when using “Demo-Bloc” for removing and replacing valve inserts.</p>
	1/2”		(25) 188 90 04	
	3/4”		(25) 188 90 06	
	1”		(10) 188 90 08	
	1 1/4”		(10) 188 90 10	
	Straight pattern valve	NPT/NPT		
	1/2”		(25) 188 91 04	
	3/4”		(25) 188 91 06	
	1”		(10) 188 91 08	
	1 1/4”		(10) 188 91 10	
	Reversed angle pattern valve	NPT/NPT		
	1/2”		(25) 188 92 04	
	3/4”		(25) 188 92 06	
	Double angle pattern valve 1/2” left hand side connection	NPT/NPT	(25) 169 40 62	
		Double angle pattern valve 1/2” right hand side connection	NPT/NPT	(25) 169 40 63
<p>“Series AZ” (for hot water) Sweat valves</p>				
	Angle pattern valve	SWT/SWT		Includes (2) unions and sweat tails.
	1/2”		(25) 169 44 04	
	3/4”		(25) 169 44 06	
	Straight pattern valve	SWT/SWT		
	1/2”		(25) 169 44 14	
	3/4”		(25) 169 44 16	
	Reversed angle pattern valve	SWT/SWT		
	1/2”		(25) 169 44 24	
	3/4”		(25) 169 44 26	
				

Item	Connection	Box qty.	Item no.	Information
 <p>“Series AZ” (for hot water) Connection thread M 30 x 1.5 bronze/brass, nickel plated PEX valves</p>				PEX connection on inlet to radiator valve. The Oventrop “Series AZ” radiator valves can be used with four types of actuators:
 <p>Angle pattern valve 1/2"</p>	PEX/NPT	(25)	169 66 04	1. Manual adjuster (included) 2. Thermostat (non-electric) 3. Thermostat-remote control (non-electric) 4. 24 V electric for on/off control
 <p>Straight pattern valve 1/2"</p>	PEX/NPT	(25)	169 66 14	All valve inserts are replaceable under working conditions by means of the special tool "Demo-Bloc."
 <p>Reversed angle pattern valve 1/2"</p>	PEX/NPT	(25)	169 66 24	

	<p>1 - Thermostatic radiator valve package with NPT threaded connection for 1/2" pipe, consisting of thermostat 101 30 66, angle pattern valve 188 90 04, and angle pattern lockshield balancing valve 109 10 82 Item Number 188 90 04K</p>
	<p>2 - Thermostatic radiator valve package with NPT threaded connection for 1/2" pipe, consisting of thermostat 101 30 66, angle pattern valve 188 92 04, and angle pattern lockshield balancing valve 109 10 82 Item Number 188 92 04K</p>
	<p>3 - Thermostatic radiator valve package with NPT threaded connection for 1/2" pipe, consisting of thermostat 101 30 66, straight pattern valve 188 91 04, and straight pattern lockshield balancing valve 109 11 82 Item Number 188 91 04K</p>
	<p>4 - Thermostatic radiator valve package with solder connection for 1/2" copper pipe, consisting of thermostat 101 30 66, angle pattern valve 169 44 04, and angle pattern lockshield balancing valve 109 10 92 Item Number 169 44 04K</p>
	<p>5 - Thermostatic radiator valve package with solder connection for 1/2" copper pipe, consisting of thermostat 101 30 66, reversed angle pattern valve 169 44 24, and angle pattern lockshield balancing valve 109 10 92 Item Number 169 44 24K</p>
	<p>6 - Thermostatic radiator valve package with solder connection for 1/2" copper pipe, consisting of thermostat 101 30 66, straight pattern valve 169 44 14, and straight pattern lockshield balancing valve 109 11 92 Item Number 169 44 14K</p>
	<p>7 - Thermostatic radiator valve package with compression connection for 1/2" PEX pipe, consisting of thermostat 101 30 66, angle pattern valve 169 66 04, and angle pattern lockshield balancing valve 109 10 52 Item Number 169 66 04K</p>
	<p>8 - Thermostatic radiator valve package with compression connection for 1/2" PEX pipe, consisting of thermostat 101 30 66, reversed angle pattern valve 169 66 24, and angle pattern lockshield balancing valve 109 10 52 Item Number 169 66 24K</p>
	<p>9 - Thermostatic radiator valve package with compression connection for 1/2" PEX pipe, consisting of thermostat 101 30 66, straight pattern valve 169 66 14, and straight pattern lockshield balancing valve 109 11 52 Item Number 169 66 14K</p>

Item	Connection	Box qty.	Item no.	Information
Radiator valves "Series E" Connection thread M 30 x 1.5				
	BSP		116 30 52	Designer series for use with towel racks or panel radiators. Includes valve insert AD6 (6 flow presettings). Gold plated or anthracite models upon request.
			116 30 62	
	BSP		116 31 52	Awards:  Design Award of North Rhine Westphalia, Award of Honour for Industrial Products  Industrial Design Forum Hannover Award iF  Design Innovation of DesignCentre Essen Award for High Quality of Design  Pragothem, Prague  German Institute for Copper Berlin Award "Product and Brass"
			116 31 62	
	BSP		116 34 52	
			116 34 62	
	BSP		116 34 53	
			116 34 63	
Service valve "Combi E"				
	BSP		116 60 52	Normally used on return side of radiator or towel rack. Allows isolation, balancing with fill and drain capability.
			116 60 62	
	BSP		116 70 52	
			116 70 62	
	Thermostat "Uni SH" with liquid sensor connection thread M 30 x 1.5 marking "Uni SH" hidden inside			With easy-to-read setting device. Maximum heating water temperature 248 °F. "0" setting = positive "off" "f" setting = freeze protection Temperature range 42 - 84 °F Markings on the dial 0, f, 1-5 With mounted design cover.
	white/chrome plated model	(10)	101 20 65	
	stainless steel finish	(10)	101 20 85	

Item	Connection	Box qty.	Item no.	Information	
<p>“Series S” (for low pressure steam, max.15 psi) Steam radiator valve Threaded valves</p>					
	One-pipe steam radiator valve 1/8"	NPT	(25)	188 85 51	
	Angle pattern valve 1/2"	NPT/NPT	(25)	<p>The Oventrop “Series S” radiator valves can be used with four types of actuators:</p> <ol style="list-style-type: none"> 1. Manual adjuster (included) 2. Thermostat (non-electric) 3. Thermostat-remote control (non-electric) 4. 24 V electric for on/off control 	
	3/4"		(25)		189 90 06
	1"		(25)		189 90 08
	1 1/4"		(25)		189 90 10
	Straight pattern valve 1/2"	NPT/NPT	(25)	<p>All valve inserts are replaceable under working conditions by means of the special tool “Demo-Bloc”. Heating system does not need to be drained when using “Demo-Bloc” for removing and replacing valve inserts.</p>	
	3/4"		(25)		189 91 06
	1"		(25)		189 91 08
	1 1/4"		(25)		189 91 10
	Reversed angle pattern valve 1/2"	NPT/NPT	(25)	189 92 04	
	3/4"		(25)		189 92 06
<p>One-pipe radiator injection valves with constant bypass and shut off</p>					
<p>Connections 1/2" to radiator 3/4" (Euroconus) to system</p>					
	with horizontal insertion tube			118 35 61	
	with vertical insertion tube			118 35 71	
<p>The minimum bypass of the one-pipe radiator injection valves is 35%. Bypass cannot be closed. The insertion tube is 6" long, has a diameter of 7/16" and the distance between pipe centers is 2 inches.</p>					
<p>The one-pipe radiator injection valve with vertical insertion tube is especially suitable for towel radiators. (The technical instructions of the radiator manufacturers need to be observed.)</p>					

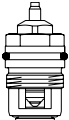
Item	4°F Cv	Item no.	Information
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Valve inserts for all valves M 30 x 1.5, excluding 101 70 60 Standard with Oventrop zone/radiator valves



Valve insert "Series AZ" 1.28 118 70 60 M 30 x 1.5 highest Cv.

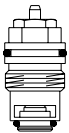
Valve insert "Series AZ" M 30 x 1.0 101 70 60



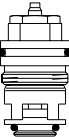
Valve insert "Series AV 6" with presetting 0.75 118 70 57 Adjustable Cv valve insert, allows technician to balance flow rate. Six different settings. Use key for setting adjustment no. 118 39 61



Valve insert "Series ADV 6" "Landlord model" 0.75 118 60 01 Same as "Series AV 6", but with additional feature that, if thermostat is removed, flow will be restricted to 5% of normal flow. Use key for setting adjustment no. 118 39 61



Valve insert "Series S" Valve insert with stainless steel seat 0.70 118 62 00 Steam specialty insert for steam systems.



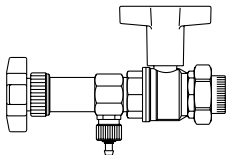
Special valve insert 0.52 118 70 70 Low Cv to correct reversed supply/return hookup.



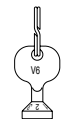
Valve insert "series KT" 0.58 114 71 69 Opens valve upon rising temperature.



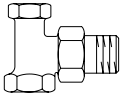
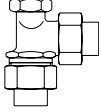
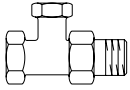
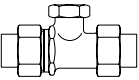
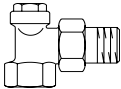
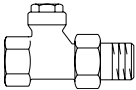
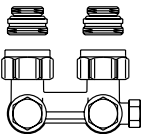
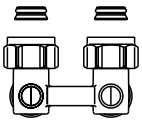



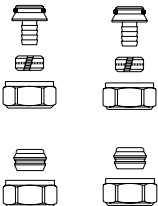
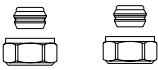
Valve insert "Series TM" 106 70 85 Insert for pressure differential of up to 40 psi (for commercial baseboard, etc.).
 1/2" 1.1
 3/4" 1.2
 1" 1.3
 1 1/4" 1.6



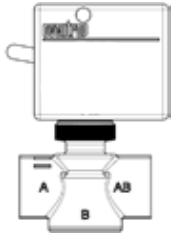
"Demo-Bloc" Special tool for replacing Oventrop valve inserts under working conditions for both M 30 x 1.0 and M 30 x 1.5 thread connections 118 80 51



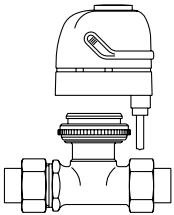
Key for flow rate setting on AV 6 / ADV 6 inserts 118 39 61

Item	Connection	Box qty.	Item no.	Information
	Service valve "Combi 2" balancing, shut-off Angle pattern brass model, nickel plated 1/2", NPT/NPT	(100)	109 10 82	Used on the return side of radiators, base-board or convectors to provide balancing and shut-off capability. Use 6 mm Allen key. All lockshield valves are suitable for use on copper pipes.
	3/4", NPT/NPT		109 10 83	
	1/2", sweat/sweat	(100)	109 10 92	Sweat connection includes (2) unions and sweat tails.
	Straight pattern brass model, nickel plated 1/2", NPT/NPT	(100)	109 11 82	
	3/4", NPT/NPT	(25)	109 11 83	
	1/2", sweat/sweat	(100)	109 11 92	Sweat connection includes (2) unions and sweat tails.
	Service valve "Combi 4" balancing with memory position, shut-off, filling and draining Angle pattern brass model, nickel plated 1/2", NPT/NPT		109 06 82	Used on the return side of radiators, base-board or convectors to provide balancing with memory stop and shut-off capability. Use 6 mm Allen key. All lockshield valves are suitable for use on copper pipes.
	3/4", NPT/NPT		109 06 83	
	Straight pattern, NPT/NPT brass model, nickel plated 1/2", NPT/NPT		109 07 82	
	3/4", NPT/NPT		109 07 83	
	"Multiflex" fittings for panel radiators with bottom tapings and built-in valve assembly (such as Buderus, DiaNorm) Preset isolation and diverting valves for one-pipe systems			"Multiflex" fittings are used for radiators with integrated distributors for one and two-pipe systems. "Euroconus" compression fitting required to connect for piping (see below).
	1/2" angle pattern	(10)	101 59 34	Diverting "Multiflex" can be used for two-pipe systems or for one-pipe series loop systems, valve allows setting of flow to next radiators in loop. Preset to one pipe operation for radiator share at 35%.
	1/2" straight pattern	(10)	101 59 33	
	2-pipe isolating valve 1/2" angle pattern		101 58 14	Isolating "Multiflex" is used for two-pipe systems.
	1/2" straight pattern		101 58 13	
	2-pipe isolating valve for reversed connection 1/2" angle pattern		101 64 63	For use with compression fittings.
	1/2" straight pattern		101 63 63	
	Adapter from 1/2" female to 3/4" male (Euroconus) nipple, unplated one port self sealing	(10)	102 82 53	
	"Euroconus" Compression fittings for stainless steel manifolds, "Unibox", panel radiators, etc. US-PEX 3/8"	(100)	164 68 49	All "Euroconus" sold in pairs. "Euroconus" compression fitting required for pipe connection to "Multiflex" (above).
	US-PEX 1/2"	(100)	164 68 50	
	US-PEX 5/8"	(100)	164 68 51	
	Copper 1/2", with soft sealing rubber fitting	(100)	101 68 44	
	Copper 1/2", with brass compression fitting	(100)	101 68 64	

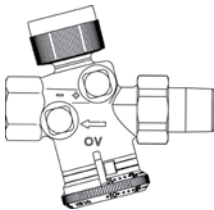
Item	Connection	Box qty.	Item no.	Information
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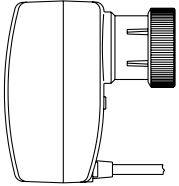
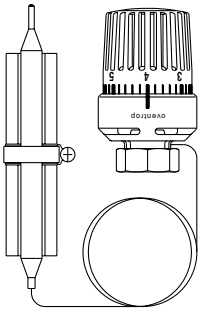
Two-way zone valve 24V actuator two-wire				The two-way valve with actuator is used for on/off control for chilled and hot water systems. The actuator is driven by an unilateral motor with spring return. Bronze body. Cv 3.3
3/4"	sweat/sweat		168 07 52	
3/4"	NPT/NPT		168 07 06	Lever opening arm.

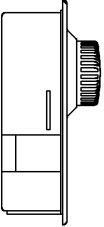
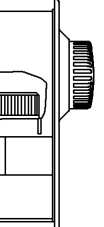
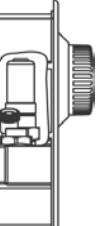
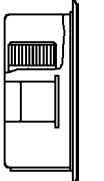



Zone/radiator valve Two-way straight pattern valve 24V				The two-way valve with actuator is used for on/off control for chilled and hot water systems. Bronze body, nickel plated, 24V. Choose normally closed ZV (four-wire) or normally open ZVO (two-wire)
3/4" normally closed	sweat/sweat	(25)	169 44 16 ZV	ZV includes (1) #101 24 96 electrothermal actuator LH, normally closed, 2 Watt, with end switch.
3/4" normally open	sweat/sweat	(25)	169 44 16 ZVO	ZVO includes (1) #101 24 86 electrothermal actuator, normally open.



Regulating valve "Cocon Q" Two-way control valve Pressure independent with test points				The "Cocon Q" is a pressure independent balance valve for proportional flow or on/off control for chilled and hot water systems. Actuator connection M30 x 1.5
1/2"	0.6 - 4.6 GPM		167 62 04	Sold without actuator. Minimum 5 psi pressure drop required.
3/4"	0.6 - 4.6 GPM		167 60 06	
without test points				
1/2"	0.6 - 4.6 GPM		167 57 04	
3/4"	0.6 - 4.6 GPM		167 55 06	

Item	Connection	Box qty.	Item no.	Information	
Control actuators					
Control actuators control the flow and temperature and can be used with conventional radiators, manifolds for under-floor heating systems, radiant and chilled ceiling systems and fan coil units. The actuators are protected against overvoltage.					
	Electrothermal actuator (LH) 24 V, power "off", normally closed two-wire with end switch	M30 x 1.5	(100)	101 24 96	Compact design. For floor heat manifolds and zone valves.
	24 V, power "off", normally closed two-wire only	M30 x 1.5		101 28 16	End switch can be used to start a pump through a relay. Cable 32" (4 wires).
	24V, power "off", normally open two-wire only	M30 x 1.5		101 28 26	Slow acting to prevent water hammer.
	Adapter for electrothermal actuator (LH) for connection to M30x1.0 threaded valves			101 28 90	
	Electrothermal actuator 0-10V for temperature mixing or proportional flow normally closed with linear characteristic	M30 x 1.5		101 29 52	For three-way valves and two-way control valve
	Electromotive actuator 0-10V, with switchable characteristic	M30 x 1.5		101 27 05	For three-way valves and two-way control valve
	Electromotive actuator 24V, 3-point floating	M30 x 1.5		101 27 08	
	Non-electric actuator with strap-on sensor and transfer unit				
	20 – 50 °C (68 – 122 °F)	M30 x 1.5	(10)	114 28 61	Thermostatic operator for controlling supply or return water temperature.
	30 – 60 °C (86 – 140 °F)	M30 x 1.5	(10)	114 28 62	Applications include maintaining a minimum return temperature to a boiler, and mixing temperature for low and medium temperature emitters such as for radiant panels and radiant floor heating.
	40 – 70 °C (104 – 158 °F)	M30 x 1.5	(10)	114 28 63	
	50 – 80 °C (122 – 176 °F)	M30 x 1.5	(10)	114 28 64	
M30x1.5 connection.					
Capillary length 6½ ft.					

Item	Connection	Item no.	Information
 <p>“Unibox”</p>			The “Unibox” is a non-electric radiant floor zone controller for hot water temperatures suitable with underfloor heating systems.
 <p>“Unibox E T” Control room temperature Room thermostat Air vent, flush valve</p>	(Euroconus)	102 26 32	All in one, wall mounted thermostatic operated radiant floor zone valve. Thermostat setting set by user “0” setting = positive “off” “f” setting = freeze protection Temperature range 42 - 84 °F (No thermostat in “Unibox E RTL” for return temperature limiting only)
 <p>“Unibox E Plus” Combination of room thermostat and return temperature limiter Air vent, flush valve</p>	(Euroconus)	102 26 33	Route PEX vertically in the stud cavity to the “Unibox” for modulating thermostatic control of underfloor heating. “Unibox” requires “Euroconus” compression fittings (see page 14). Limit floor area to 300 sq. ft. per “Unibox.” Enclosed in attractive wall box, white cover and powder white thermostat.
 <p>“Unibox E BV” Room thermostat with presetting bypass Air vent, flush valve</p>	(Euroconus)	102 26 62	Bypass presetting to maintaining floor warming, even if the room thermostat is satisfied. Perfect for rooms with another heat source. “Unibox E BV” insures floor warming.
 <p>“Unibox E RTL” Return temperature limiter Air vent, flush valve</p>	(Euroconus)	102 26 31	For maintaining warm floor temperatures at low or high demand. Can be used as first stage heat demand controlling return floor water temperature. Other heat sources make up second stage demand if required.

