


COMPONENTS LIST




BUILDING MATERIAL

SOUND INSULATION


ACOUSTIC MAT

	<p>tear-resistant heat and impact sound insulating mat with low build-up height of only 4 mm, impact sound improvement of up to 18 dB, λ = approx. 0,038 W/ (m·K), (width = 1000 mm, thickness = 4 mm)</p>	ORDER CODE	QUANTITY UNIT
		TSM	m ²
		PACKAGING UNIT	
		10 m ² / coil	
		25 m ² / coil	
50 m ² / coil			

ACOUSTIC MAT SUPER


	<p>heat and impact sound insulating mat with a thickness of 5 mm, permanently elastic and pressure-resistant, can be double fitted (pay attention to traffic loads!), impact sound improvement when single fitted of up to 20 dB, when double fitted of up to 22 dB, λ = approx. 0,041 W/ (m·K), (width = 1500 mm, thickness = 5 mm)</p>	ORDER CODE	QUANTITY UNIT	
		TSMS	m ²	
				PACKAGING UNIT
		15 m ² / coil		
		30 m ² / coil		
		60 m ² / coil		

ACOUSTIC FLEECE

	<p>sound reducing, thin insulation layer, especially suited for retrofit, when only low floor building heights are possible, impact sound improvement of up to 21 dB, λ = approx. 0,040 W/ (m·K), (width = 1250 mm, thickness = 4 mm)</p>	ORDER CODE	QUANTITY UNIT
		TSV	m ²
		PACKAGING UNIT	
		35 m ² / coil	

SEPARATION LAYER


HUMIDITY PROTECTION

	<p>film-coated paper for covering of insulation material or as separation layer acc. to DIN 18560, suited for hot air welding, consumption approx. 1,15 m² / m² of floor (overlapping and border areas), width of coil 1,30 m</p>	ORDER CODE	QUANTITY UNIT
		SL	m ²
		PACKAGING UNIT	
		130 m ² / coil	


BUILDING MATERIAL

ADHESIVE TAPE

PAPER ADHESIVE TAPE

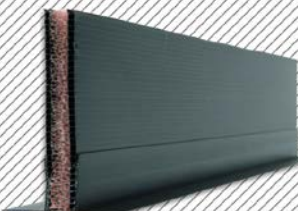
	B = 90 mm, width = 90 mm, unfoldable to 180 mm	ORDER CODE	QUANTITY UNIT
		KB	coil
		PACKAGING UNIT	
		25 m / coil	

SYNTHETIC ADHESIVE TAPE

	B = 50 mm, width = 50 mm, white printed with effidur logo	ORDER CODE	QUANTITY UNIT
		KBK	coil
		PACKAGING UNIT	
		65 m / coil	

EXPANSION JOINT

PROFESSIONAL JOINT

	solid joint profile with self-adhesive base for forming expansion joints, especially between heated and unheated areas, (height = 80 mm, thickness = 10 mm, width = 50 mm, length = 1200 mm)	ORDER CODE	QUANTITY UNIT
		PF	piece
		PACKAGING UNIT	
		1 piece	
		5 pieces	

JOINT DOWEL

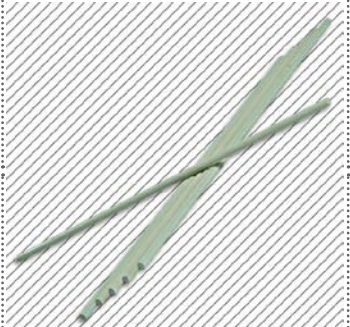
	two-sided flexible joint dowel to avoid staggering in height and to minimise dishing effects in joint areas, consumption per m of professional joint: 3 - 4 pieces, (length = 300 mm, thickness = 4 mm)	ORDER CODE	QUANTITY UNIT
		FD	piece
		PACKAGING UNIT	
		5 pieces 25 pieces	

BUILDING MATERIAL

BEWEGUNGSFUGE


CONTINUATION

JOINT DOWEL WITH SOUND PROTECTION


	<p>two-sided flexible joint dowel to avoid staggering in height and to minimise dis-hing effects in joint areas, use when sound protection is required, consumption per m of professional joint: 3 - 4 pieces, (length = 300 mm, thickness = 6 mm)</p>	ORDER CODE FDS	QUANTITY UNIT piece
		PACKAGING UNIT 5 pieces 25 pieces	

SYSTEM SCREED (SFM)

SYSTEM SCREED

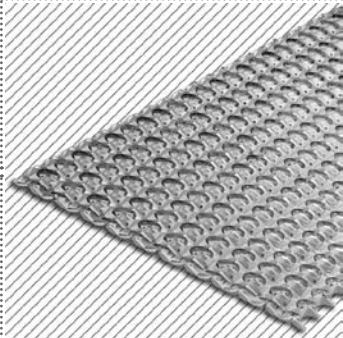
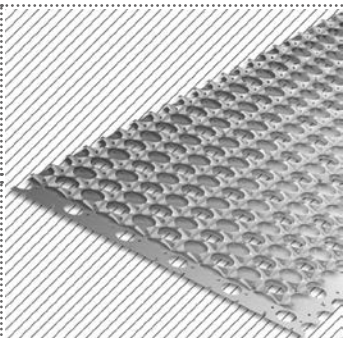
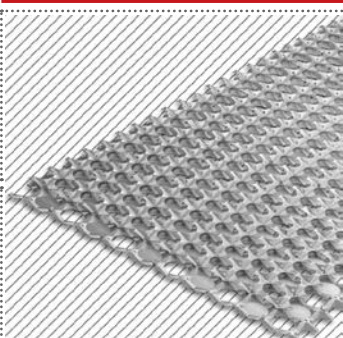
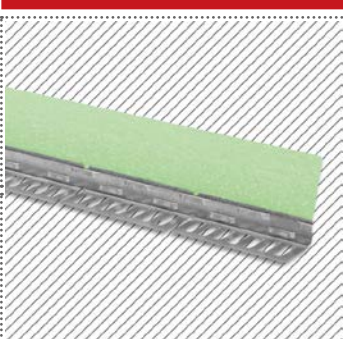
	<p>high-quality concrete-sulphate screed, nearly self-levelling, quality class CT/CA-C30/F8 acc. to DIN EN 13813 for backfilling of comb panels, consumption approx. 13,2 l / bag, with WP 2000 / 25 mm system height approx. 0,52 m², with WP 1000 / 15 mm system height approx. 0,88 m²</p>	ORDER CODE SFM	QUANTITY UNIT bag
		PACKAGING UNIT 25 kg / bag 36 bags / pallet	

SYSTEM SCREED SILO

	ORDER CODE SFM SILO	QUANTITY UNIT Tonne (t)
	PACKAGING UNIT delivery of SFM SILO upon demand	
<p>high-quality concrete-sulphate screed, nearly self-levelling, quality class CT/CA-C30/F8 acc. to DIN EN 13813 for backfilling of comb panels, consumption approx. 13,2 l / bag, with WP 2000 / 25 mm system height approx. 0,52 m², with WP 1000 / 15 mm system height approx. 0,88 m²</p>		

FLOOR SYSTEM

COMB PANEL

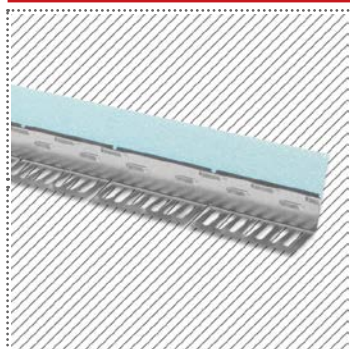
COMB PANEL 900 [WP 900]			
	comb panel made of zinc-plated steel sheet, system height 9 mm, open, 1192 x 556 mm, 0,5 m ² / panel	ORDER CODE	QUANTITY UNIT
		WP 900	m ²
	comb panel made of zinc-plated steel sheet, system height 10 mm, open, 1192 x 556 mm, 0,5 m ² / panel	PACKAGING UNIT	
		5 m ² / package	
COMB PANEL 1000 [WP 1000]			
	comb panel made of zinc-plated steel sheet, system height 20 mm, open, 1192 x 556 mm, 0,5 m ² / panel	ORDER CODE	QUANTITY UNIT
		WP 1000	m ²
	comb panel made of zinc-plated steel sheet, system height 20 mm, open, 1192 x 556 mm, 0,5 m ² / panel	PACKAGING UNIT	
		5 m ² / package	
COMB PANEL 2000 [WP 2000]			
	comb panel made of zinc-plated steel sheet, system height 20 mm, open, 1192 x 556 mm, 0,5 m ² / panel	ORDER CODE	QUANTITY UNIT
		WP 2000	m ²
	comb panel made of zinc-plated steel sheet, system height 20 mm, open, 1192 x 556 mm, 0,5 m ² / panel	PACKAGING UNIT	
		5 m ² / package	
BORDER INSULATION TAPE 1000			
	for WP 900 and WP 1000, length = 1000 mm, height = 50 mm, with hold for brackets made of zinc-plated steel sheet, for stabilizing border areas and for compensation of horizontal expansions within the floor construction, consumption approx. 1,3 m / m ² of floor	ORDER CODE	QUANTITY UNIT
		RDS 1000	meter
	for WP 900 and WP 1000, length = 1000 mm, height = 50 mm, with hold for brackets made of zinc-plated steel sheet, for stabilizing border areas and for compensation of horizontal expansions within the floor construction, consumption approx. 1,3 m / m ² of floor	PACKAGING UNIT	
		1 m 10 m 50 m 100 m	

FLOOR SYSTEM

COMB PANEL

CONTINUATION

BORDER INSULATION TAPE 2000



for WP 2000, length = 1000 mm, height = 50 mm, with hold for brackets made of zinc-plated steel sheet, for stabilizing border areas and for compensation of horizontal expansions within the floor construction, consumption approx. 1,3 m / m² of floor

ORDER CODE

RDS 2000

QUANTITY UNIT

meter

PACKAGING UNIT

1 m
10 m
50 m
100 m

BRACKET



zinc-plated steel sheet, length = 85 mm, for fixing of the comb panels to the border insulation tape, consumption approx. 3 pieces / m

ORDER CODE

HK

QUANTITY UNIT

piece

PACKAGING UNIT

10 pieces
50 pieces
500 pieces

HEATING PIPE

STANDARD ø 8 mm

8

HEATING PIPE 8



ORDER CODE

HR 040-8

QUANTITY UNIT

meter


PACKAGING UNIT

40 m / coil
6 coils per packaging box
(\triangleq 240 m)


5-layer-compound pipe ø 8 x 1,1 mm (coil length 40 m), oxygen impermeable acc. to DIN 4726, max. temperature 95 °C, nominal pressure 6 bar, testing pressure 10 bar, consumption approx. 8,5 m per m² of floor, max. length of heating loop 35 m = approx. 4 m²

FLOOR SYSTEM

HEATING PIPE 8

	5-layer-compound pipe \varnothing 8 x 1,1 mm (coil length 200 m), oxygen impermeable acc. to DIN 4726 , max. temperature 95 °C, nominal pressure 6 bar, testing pressure 10 bar, consumption approx. 8,5 m per m ² of floor, max. length of heating loop 35 m = approx. 4 m ²	ORDER CODE	QUANTITY UNIT
		HR 200-8	meter
		PACKAGING UNIT	
		200 m / coil	


HEATING PIPE 8

	5-layer-compound pipe \varnothing 8 x 1,1 mm (coil length 600 m), oxygen impermeable acc. to DIN 4726 , max. temperature 95 °C, nominal pressure 6 bar, testing pressure 10 bar, consumption approx. 8,5 m per m ² of floor, max. length of heating loop 35 m = approx. 4 m ²	ORDER CODE	QUANTITY UNIT
		HR 600-8	meter
		PACKAGING UNIT	
		600 m / coil	


SPECIAL \varnothing 10 mm (for WP 2000 only)

10

HEATING PIPE 10

	5-layer-compound pipe \varnothing 10 x 1,3 mm (coil length 75 m), oxygen impermeable acc. to DIN 4726, max. temperature 95 °C, nominal pressure 6 bar, testing pressure 10 bar, consumption approx. 8,5 m per m ² of floor, max. length of heating loop 70 m = approx. 8 m ²	ORDER CODE	QUANTITY UNIT
		HR 075-10	meter
		PACKAGING UNIT	
		75 m / coil	

HEATING PIPE 10


	5-layer-compound pipe \varnothing 10 x 1,3 mm (coil length 150 m), oxygen impermeable acc. to DIN 4726, max. temperature 95 °C, nominal pressure 6 bar, testing pressure 10 bar, consumption approx. 8,5 m per m ² of floor, max. length of heating loop 70 m = approx. 8 m ²	ORDER CODE	QUANTITY UNIT
		HR 150-10	meter
		PACKAGING UNIT	
		150 m / coil	

FLOOR SYSTEM


HEATING PIPE

CONTINUATION

SPECIAL ø 10 mm (for WP 2000 only)**10****HEATING PIPE 10**

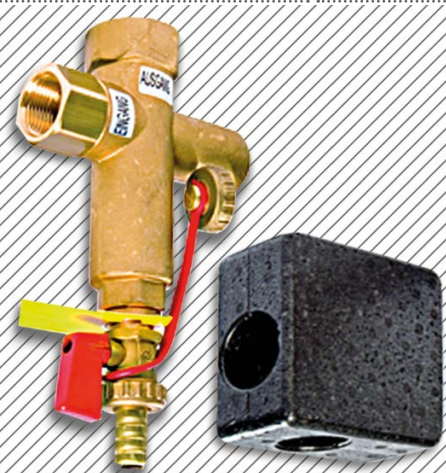
	<p>5-layer-compound pipe \varnothing 10 x 1,3 mm (coil length 300 m), oxygen impermeable acc. to DIN 4726, max. temperature 95 °C, nominal pressure 6 bar, testing pressure 10 bar, consumption approx. 8,5 m per m² of floor, max. length of heating loop 70 m = approx. 8 m²</p>	ORDER CODE	QUANTITY UNIT
		HR 300-10	meter
		PACKAGING UNIT	
		300 m / coil	

HEATING PIPE 10

	5-layer-compound pipe ø 10 x 1,3 mm (coil length 600 m), oxygen impermeable acc. to DIN 4726, max. temperature 95 °C, nominal pressure 6 bar, testing pressure 10 bar, consumption approx. 8,5 m per m² of floor, max. length of heating loop 70 m = approx. 8 m²	ORDER CODE	QUANTITY UNIT
		HR 600-10	meter
		PACKAGING UNIT	
		600 m / coil delivery upon demand	

PROTECTION COMPONENT

GENERAL**FLOW FILTER**

	ORDER CODE	QUANTITY UNIT
	SF	piece
		PACKAGING UNIT
		1 piece


for heating facilities with a performance of up to 28 kW for separating contaminations in the heating water, connections 1" female thread x 3/4" female thread

FLOOR SYSTEM


GENERAL

CONTINUATION

BEND FOR PIPE GUIDING 8

	for protecting the heating pipe for pipe \varnothing 8 - 10 mm	ORDER CODE RFB 8	QUANTITY UNIT piece
		PACKAGING UNIT 2 piece 10 piece 100 piece	


BEND FOR PIPE GUIDING 12

	for protecting the heating pipe for pipe \varnothing 10 - 14 mm	ORDER CODE RFB 12	QUANTITY UNIT meter
		PACKAGING UNIT 2 piece 10 piece 100 piece	


STANDARD \varnothing 8 mm

8

PROTECTION PIPE 8

	for heating pipe \varnothing 8 mm corrugated pipe, length = 200 mm, for the mechanical protection of the heating pipe wherever the pipe comes out of the floor system and in areas of lead-through (e.g. professional joints)	ORDER CODE SR 200-8	QUANTITY UNIT piece
		PACKAGING UNIT 2 piece 10 piece 100 piece	

PROTECTION PIPE 8 [COIL]

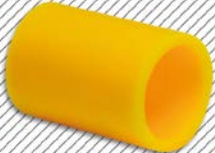
	for heating pipe \varnothing 8 mm corrugated pipe, customized coil length, for the mechanical protection of the heating pipe wherever the pipe comes out of the floor system and in areas of lead-through (e.g. professional joints)	ORDER CODE SR 8	QUANTITY UNIT meter
		PACKAGING UNIT ordering unit = meter (m)	

FLOOR SYSTEM

PIPE PROTECTION

CONTINUATION


PIPE PROTECTION CAP 8

	for heating pipe \varnothing 8 mm for closing of pipe ends until finishing of the fitting and as protection against contaminations	ORDER CODE SK 8	QUANTITY UNIT piece
		PACKAGING UNIT 2 piece 10 piece 100 piece	


SPECIAL \varnothing 10 mm (for WP 2000 only)

10

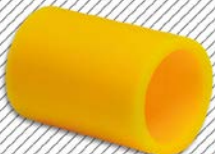
PIPE PROTECTION 10

	for heating pipe \varnothing 10 mm corrugated pipe, length = 300 mm, for the mechanical protection of the heating pipe wherever the pipe comes out of the floor system and in areas of lead- through (e.g. professional joints)	ORDER CODE SR 300-10	QUANTITY UNIT piece
		PACKAGING UNIT 2 piece 10 piece 100 piece	

PIPE PROTECTION10 [COIL]

	for heating pipe \varnothing 10 mm corrugated pipe, customized coil length, for the mechanical protection of the heating pipe wherever the pipe comes out of the floor system and in areas of lead-through (e.g. professional joints)	ORDER CODE SR 10	QUANTITY UNIT meter
		PACKAGING UNIT ordering unit = meter (m)	

PIPE PROTECTION CAP 10

	for heating pipe \varnothing 10 mm for closing of pipe ends until finishing of the fitting and as protection against contaminations	ORDER CODE SK 10	QUANTITY UNIT piece
		PACKAGING UNIT 2 piece 10 piece 100 piece	


SUB-DISTRIBUTION

SINGLE PLUG CONNECTOR


STANDARD ø 8 mm

8

PLUG CONNECTOR 8

	single plug connector ø 8 mm - 1/2" male thread (incl. 1x supporting sleeve) for areas of up to 4 m²	ORDER CODE STA AG-8	QUANTITY UNIT piece
		PACKAGING UNIT 2 piece 10 piece	

PLUG CONNECTOR 8

	single plug connector ø 8 mm - 1/2" female thread (incl. 1x supporting sleeve) for areas of up to 4 m²	ORDER CODE STA IG-8	QUANTITY UNIT piece
		PACKAGING UNIT 2 piece 10 piece	

SPECIAL ø 10 mm (for WP 2000 only)

10

PLUG CONNECTOR 10

	ORDER CODE STA IG-10	QUANTITY UNIT piece
	PACKAGING UNIT 2 piece 10 piece	
single plug connector ø 10 mm - 1/2" female thread (incl. 1x supporting sleeve) for areas of up to 8 m²		

SUBDISTRIBUTION

SUB-MANIFOLDS

STANDARD \varnothing 8 mm

8

SUB-MANIFOLD 2-PORT FOR HEATING PIPE \varnothing 8 mm

with 2x plug connector
 \varnothing 8 mm - 1/2" female
 thread (incl. 2x supporting
 sleeve) for areas of up to
 8 m²

ORDER CODE

UV 2-8

QUANTITY UNIT

piece

PACKAGING UNIT

2 piece

SUB-MANIFOLD 4-PORT FOR HEATING PIPE \varnothing 8 mm

with 4x plug connector
 \varnothing 8 mm - 1/2" female
 thread (incl. 4x supporting
 sleeve) for areas of up to
 16 m²

ORDER CODE

UV 4-8

QUANTITY UNIT

piece

PACKAGING UNIT

2 piece

SPECIAL \varnothing 10 mm (for WP 2000 only)

10

SUB-MANIFOLD 2-PORT FOR HEATING PIPE \varnothing 10 mm

with 2x plug connector
 \varnothing 10 mm - 1/2" female
 thread (incl. 2x supporting
 sleeve) for areas of up to
 16 m²

ORDER CODE

UV 2-10

QUANTITY UNIT

piece

PACKAGING UNIT

2 piece

SUB-MANIFOLD 4-PORT FOR HEATING PIPE \varnothing 10 mm

with 4x plug connector
 \varnothing 10 mm - 1/2" female
 thread (incl. 4x supporting
 sleeve) for areas of up to
 24 m²

ORDER CODE

UV 4-10

QUANTITY UNIT

piece

PACKAGING UNIT

2 piece

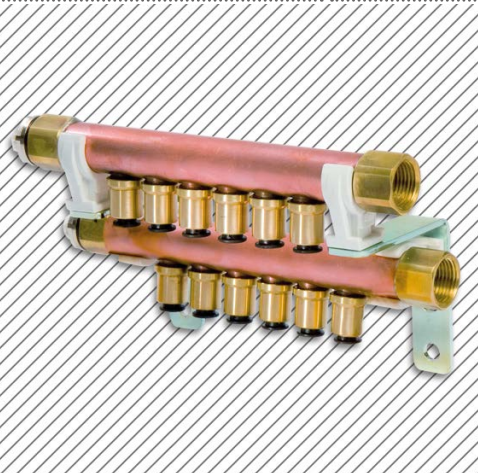
SUBDISTRIBUTION

MANIFOLD UNIT STANDARD \varnothing 8 mmMANIFOLD UNIT 4-PORT FOR HEATING PIPE \varnothing 8 mm

	ORDER CODE VBG 4	QUANTITY UNIT piece
	PACKAGING UNIT 1 piece	

MANIFOLD UNIT 4-port for heating pipe \varnothing 8 mm
 with flow and return flow bar, each with 4x plug connector \varnothing 8 mm - 2x 1/2" female thread
 (incl. 2x ventilation valve, 8x supporting sleeve), length = 165 mm, for areas of up to 16 m²

MANIFOLD UNIT 6-PORT FÜR HEATING PIPE 8 mm

	ORDER CODE VBG 6	QUANTITY UNIT piece
	PACKAGING UNIT 1 piece	


MANIFOLD UNIT 6-port for heating pipe \varnothing 8 mm with flow and return flow bar,
 each with 6x plug connector \varnothing 8 mm - 2x 1/2" female thread (incl. 2x ventilation valve, 12x supporting sleeve),
 length = 215 mm, for areas of up to 24 m²

SUBDISTRIBUTION


ACCESSORIES

GENERAL

SCREW CONNECTION

	screw connection 3/4" for the connection of sub-manifolds resp. single plug connectors to conventional manifolds and valves, consisting of union nut G 3/4" euro cone with o-ring sealing and sleeve R 1 1/2"	ORDER CODE	QUANTITY UNIT
		AV	piece
		PACKAGING UNIT	
		2 piece 10 piece	


SCREW CONNECTION SELF-SEALING

	<p>screw connection 3/4" for the connection of sub-manifolds resp. single plug connectors to conventional manifolds and valves with self-sealing sleeve R 1 1/2" through PTFE- threaded sealing ring. consisting of union nut G 3/4" euro cone with o-ring sealing and sleeve R 1 1/2"</p>	ORDER CODE	QUANTITY UNIT
		AVS	piece
		PACKAGING UNIT	
		2 piece 10 piece	


STANDARD \varnothing 8 mm

8

BLIND PLUG 8

	sealing plug \varnothing 8 mm, for the sealing of non-used manifold ports	ORDER CODE	QUANTITY UNIT
		BS 8	piece
		PACKAGING UNIT	
		2 piece	
		10 piece	

COLLET 8


	8 mm collet, spare part for all plug connectors \varnothing 8 mm	ORDER CODE	QUANTITY UNIT
		HZJG 8	piece
		PACKAGING UNIT	
		2 piece 10 piece	

SUBDISTRIBUTION

ACCESSORIES

CONTINUATION


SUPPORTING SLEEVE 8

	supporting sleeve for pipe ø 8 x 1,1 mm, for calibrating and reinforcement of pipe ends, is included in original effidur manifold equipment, only order as spare part	ORDER CODE SHK 8	QUANTITY UNIT piece
		PACKAGING UNIT 2 piece 10 piece 100 piece	


SPECIAL ø 10 mm (for WP 2000 only)

10


BLIND PLUG 10

	sealing plug ø 10 mm, for sealing of non-used manifold ports	ORDER CODE BS 10	QUANTITY UNIT piece
		PACKAGING UNIT 2 piece 10 piece	

COLLET 10

	10 mm collet, spare part for all plug connectors ø 10 mm	ORDER CODE HZJG 10	QUANTITY UNIT piece
		PACKAGING UNIT 2 piece 10 piece	


SUPPORTING SLEEVE 10

	supporting sleeve for pipe ø 10 x 1,3 mm, for calibrating and reinforcement of pipe ends, is included in original effidur manifold equipment, only order as spare part	ORDER CODE SHK 10	QUANTITY UNIT piece
		PACKAGING UNIT 2 piece 10 piece 100 piece	


CONTROL UNIT

CONTROL BOX


CONTROL BOX » VERSION 1.1

	for limiting of the return temperature via RTL valve, built-in box with cover white, closed, incl. RTL valve with thermostat, for areas of up to 16 m ² *	ORDER CODE	QUANTITY UNIT
		RB 1 RTL W	piece
		PACKAGING UNIT	
		1 piece pre-assembled, packed in a box.	


CONTROL BOX » VERSION 1.2

	<p>for limiting of the return temperature via RTL valve, built-in box with cover ready to decorate and tile, closed, incl. RTL valve with thermostat, for areas of up to 16 m²*</p>	ORDER CODE	QUANTITY UNIT
		RB 1 RTL U	Piece
		PACKAGING UNIT	
		1 piece pre-assembled, packed in a box.	

CONTROL BOX » VERSION 2.1

	for single room control via thermostatic valve and limiting of the return temperature via RTL valve, built-in box with cover white, closed, incl. thermostatic valve with remote control and RTL valve with thermostat for areas of up to 16 m ² *	ORDER CODE	QUANTITY UNIT
		RB 2 THF RTL W	piece
		PACKAGING UNIT	
		1 piece pre-assembled, packed in a box.	

CONTROL BOX » VERSION 2.2

	<p>for single room control via thermostatic valve and limiting of the return temperature via RTL valve, built-in box with cover ready to decorate and tile, closed, incl. thermostatic valve with remote control and RTL valve with thermostat for areas of up to 16 m²*</p>	ORDER CODE	QUANTITY UNIT
		RB 2 THF RTL U	piece
		PACKAGING UNIT	
		1 piece pre-assembled, packed in a box.	

CONTROL UNIT

CONTROL BOX

CONTINUATION

CONTROL BOX » VERSION 2.3



for single room control via thermostatic valve and limiting of the return temperature via RTL valve, built-in box with cover white, with opening for thermostat, incl. thermostatic valve pointing to the front and RTL valve with thermostat for areas of up to 16 m²*

ORDER CODE

RB 2
TH RTL OW

QUANTITY UNIT

piece

PACKAGING UNIT

1 piece pre-assembled,
packed in a box.

CONTROL BOX » VERSION 2.4



for single room control via thermostatic valve and limiting of the return temperature via RTL valve, built-in box with cover white, closed, incl. bottom part of thermostatic valve (prepared for actuator connection thread M30 x 1,5; not included) and RTL valve with thermostat, for areas of up to 16 m²*

ORDER CODE

RB 2
THV RTL W

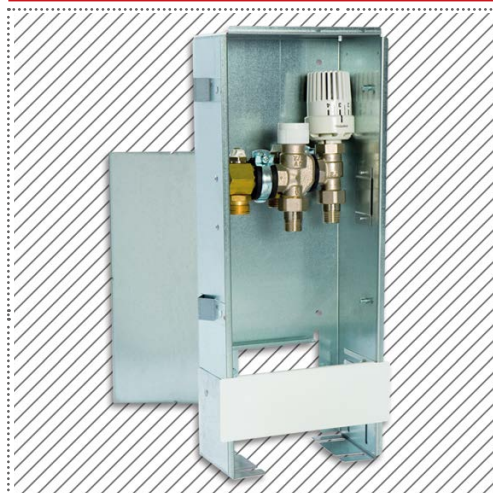
QUANTITY UNIT

piece

PACKAGING UNIT

1 piece pre-assembled,
packed in a box.

CONTROL BOX » VERSION 2.5



ORDER CODE

RB 2
THV RTL U

QUANTITY UNIT

piece

PACKAGING UNIT

1 piece pre-assembled, packed
in a box.

for single room control via thermostatic valve and limiting of the return temperature via RTL valve, built-in box with cover ready to decorate and tile, closed, incl. bottom part of thermostatic valve (prepared for actuator connection thread M30 x 1,5; not included) and RTL valve with thermostat, for areas of up to 16 m²*


*** The mentioned heating area applies in general for a pipe distance of 12 cm and a flow rate within the heating pipe < 0,4 m/s and the according effidur plug connectors (UV4-8, UV2-10, UV4-10 bzw. STA IG-8). Pay attention to the total pressure loss for areas larger than 16 m², when connecting UV4-10 to the control units.**

CONTROL UNIT


CONTROL BOX

CONTINUATION


CONTROL BOX » VERSION 3.1

	<p>for single room control via thermostatic valve without limiting of the return temperature for use within pre-mixed underfloor heating loop, built-in box with cover white, closed, incl. thermostatic valve with remote control, for areas of up to 16 m²*</p>	ORDER CODE RB 3 THF W	QUANTITY UNIT piece
		PACKAGING UNIT 1 piece pre-assembled, packed in a box.	


CONTROL BOX » VERSION 3.2

	<p>for single room control via thermostatic valve without limiting of the return temperature for use within pre-mixed underfloor heating loop, built-in box with cover ready to decorate and tile, closed, incl. thermostatic valve with remote control, for areas of up to 16 m²*</p>	ORDER CODE RB 3 THF U	QUANTITY UNIT piece
		PACKAGING UNIT 1 piece pre-assembled, packed in a box.	

CONTROL BOX » VERSION 3.3

	<p>for single room control via thermostatic valve without limiting of the return temperature for use within pre-mixed underfloor heating loop, built-in box with cover white, with opening for thermostatic valve pointing to the front, for areas of up to 16 m²*</p>	ORDER CODE RB 3 TH OW	QUANTITY UNIT piece
		PACKAGING UNIT 1 piece pre-assembled, packed in a box.	

CONTROL BOX » VERSION 3.4


	<p>for single room control via thermostatic valve without limiting of the return temperature for use within pre-mixed underfloor heating loop, built-in box with cover white, closed, incl. bottom part of thermostatic valve (prepared for actuator connection thread M30 x 1,5; not included), for areas of up to 16 m²*</p>	ORDER CODE RB 3 THV W	QUANTITY UNIT piece
		PACKAGING UNIT 1 piece pre-assembled, packed in a box.	

CONTROL UNIT


CONTROL BOX

CONTINUATION


CONTROL BOX » VERSION 3.5

	<p>for single room control via thermostatic valve without limiting of the return temperature for use within pre-mixed underfloor heating loop, built-in box with cover ready to decorate and tile, closed, incl. bottom part of thermostatic valve (prepared for actuator connection thread M30 x 1,5; not included), for areas of up to 16 m²*</p>	ORDER CODE	MENGENEINHEIT
		RB 3 THV U	piece
		PACKAGING UNIT	
		1 piece pre-assembled, packed in a box.	

CONTROL BOX » VERSION 4.1

	as sub-distribution without thermostatic valve and limiting of the return temperature for use within pre-mixed underfloor heating loop, built-in box with cover white, closed, uncontrolled with ventilation valve, for areas of up to 16 m ² *	ORDER CODE	QUANTITY UNIT
		RB 4 W	piece
		PACKAGING UNIT	
		1 piece pre-assembled, packed in a box.	

CONTROL BOX » VERSION 4.2


	ORDER CODE	QUANTITY UNIT
	RB 4 U	piece
		PACKAGING UNIT
		1 piece pre-assembled, packed in a box.
as sub-distribution without thermostatic valve and limiting of the return temperature for use within pre-mixed underfloor heating loop, built-in box with cover ready to decorate and tile, closed, uncontrolled with ventilation valve, for areas of up to 16 m ² *		

*** The mentioned heating area applies in general for a pipe distance of 12 cm and a flow rate within the heating pipe < 0,4 m/s and the according effidur plug connectors (UV4-8, UV2-10, UV4-10 bzw. STA IG-8). Pay attention to the total pressure loss for areas larger than 16 m², when connecting UV4-10 to the control units.**


CONTROL UNIT

CONTROL VIA WIRE


ROOM THERMOSTAT WALL-MOUNTED

	extremely flat, 230 V, 50 Hz, opener, scale 5...30 °C, pure white	ORDER CODE	QUANTITY UNIT
		RT 230V	piece
		PACKAGING UNIT	
		1 piece	

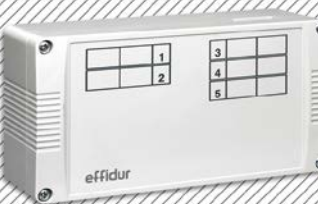
ROOM THERMOSTAT WALL-MOUNTED WITH CLOCK

	230 V, 50 Hz, relay / closer, scale 5...30°C, time-dependent valve control, suitable as master for master-slave-operation, pure white	ORDER CODE	QUANTITY UNIT
		RTU 230V	piece
		PACKAGING UNIT	
		1piece	

ROOM THERMOSTAT WALL-MOUNTED WITH CLOCK AND BACKGROUND LIGHTING

	230 V, 50 Hz, relay / closer, scale 5...30°C, time-dependent valve control, suitable as master for master-slave-operation, background lighting, pure white	ORDER CODE	QUANTITY UNIT
		RTUB 230V	piece
		PACKAGING UNIT	
		1 piece	

TERMINAL BLOCK 5-CHANNEL IP20

	terminal block within box for wiring of up to 5 room thermostats and a maximum of 4 actuators per channel, type of protection IP 20, grey	ORDER CODE	QUANTITY UNIT
		KL 5 IP20	piece
		PACKAGING UNIT	
		1 piece	

CONTROL UNIT

CONTROL VIA WIRE

CONTINUATION

TERMINAL BLOCK 5-CHANNEL IP65



terminal block within box for wiring of up to 5 room thermostats and a maximum of 4 actuators per channel, type of protection IP 65, grey

ORDER CODE

KL5
IP65

QUANTITY UNIT

piece

PACKAGING UNIT

1 piece

TERMINAL BLOCK 8-CHANNEL IP20



terminal block within box for wiring of up to 8 room thermostats and a maximum of 4 actuators per channel, type of protection IP 20, grey

ORDER CODE

KL8
IP20

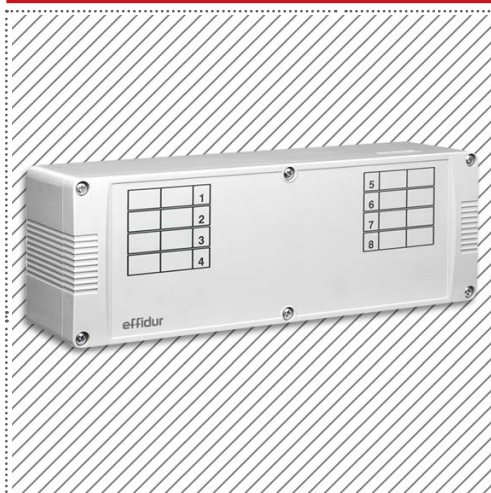
QUANTITY UNIT

piece

PACKAGING UNIT

1 piece

TERMINAL BLOCK 8-CHANNEL IP65



ORDER CODE

KL8
IP65

QUANTITY UNIT

piece

PACKAGING UNIT


1 piece
(pre-assembled,
packed in a box.)

terminal block within box for wiring of up to 8 room thermostats and a maximum of 4 actuators per channel, type of protection IP 65, grey


CONTROL UNIT

WIRELESS CONTROL


WIRELESS TEMPERATURE SENSOR

	wall-mounted temperature sensor, extremely flat, radio transfer to control unit, scale 5...30 °C, pure white	ORDER CODE FTF	QUANTITY UNIT piece
		PACKAGING UNIT 1 piece	


WIRELESS TEMPERATURE SENSOR WITH CLOCK

	radio transfer to control unit, scale 5...30 °C, time-dependent valve control, suitable as master for master-slave-operation, pure white	ORDER CODE FTF U	QUANTITY UNIT piece
		PACKAGING UNIT 1 piece	

WIRELESS TEMPERATURE SENSOR WITH CLOCK AND BACKGROUND LIGHTING

	radio transfer to control unit, scale 5...30 °C, time-dependent valve control, suitable as master for master-slave-operation, with clock and background lighting, pure white	ORDER CODE FTF UB	QUANTITY UNIT piece
		PACKAGING UNIT 1 piece	

TEMPERATURE CONTROLLER 1-CHANNEL WIRELESS TEMPERATURE CONTROLLER IP30

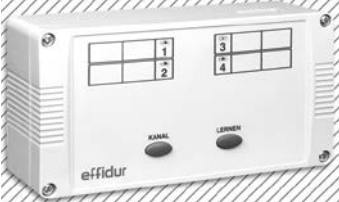
	wall-mounted, closer 13,5 (3) A, 230 V, 50 Hz, surrounding 0...40 °C, IP 30, pure white	ORDER CODE FTR 1	QUANTITY UNIT piece
		PACKAGING UNIT 1 piece	

CONTROL UNIT

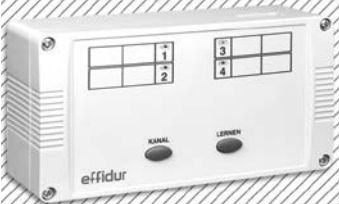
WIRELESS CONTROL

CONTINUATION


TEMPERATURE CONTROLLER 4-CHANNEL WIRELESS TEMPERATURE CONTROLLER IP20

	wall-mounted, closer 5 (1) A, 230 V, 50 Hz, surrounding -10...50 °C, IP 20, max. 4 actuators per channel, light grey	ORDER CODE	QUANTITY UNIT
		FTR 4 IP20	piece
		PACKAGING UNIT	
		1 piece	


TEMPERATURE CONTROLLER 4-CHANNEL WIRELESS TEMPERATURE CONTROLLER IP65

	wall-mounted, closer 5 (1) A, 230 V, 50 Hz, surrounding -10...50 °C, max. 4 actuators per channel, IP 65, light grey	ORDER CODE	QUANTITY UNIT
		FTR 4 IP65	piece
		PACKAGING UNIT	
		1 piece	

TEMPERATURE CONTROLLER 8-CHANNEL WIRELESS TEMPERATURE CONTROLLER IP20

	wall-mounted, closer 5 (1) A, 230 V, 50 Hz, surrounding -10...50 °C, IP 20, max. 4 actuators per channel, light grey	ORDER CODE	QUANTITY UNIT
		FTR 8 IP20	piece
		PACKAGING UNIT	
		1 piece	


TEMPERATURE CONTROLLER 8-CHANNEL WIRELESS TEMPERATURE CONTROLLER IP65

	wall-mounted, closer 5 (1) A, 230 V, 50 Hz, surrounding -10...50 °C, max. 4 actuators per channel, IP 65, light grey	ORDER CODE	QUANTITY UNIT
		FTR 8 IP65	piece
		PACKAGING UNIT	
		1 piece	


CONTROL UNIT

PRE-DISTRIBUTION / CONTROL UNIT


PRE-DISTRIBUTOR

		ORDER CODE 2 » HKV2-VA 3 » HKV3-VA 4 » HKV4-VA 5 » HKV5-VA 6 » HKV6-VA 7 » HKV7-VA 8 » HKV8-VA 9 » HKV9-VA 10 » HKV10-VA	
		QUANTITY UNIT piece	
stainless steel manifold 1", valve inserts M30 x 1,5 and flow control pre-assembled, unit lengths»			
HKV2-VA	245 mm	HKV7-VA	495 mm
HKV3-VA	295 mm	HKV8-VA	545 mm
HKV4-VA	345 mm	HKV9-VA	595 mm
HKV5-VA	395 mm	HKV10-VA	645 mm
HKV6-VA	445 mm		
lengths of further versions = +/- 50 mm per port			

CONTROL UNIT FOR STAINLESS STEEL MANIFOLD 1"


	with electronically controlled pump, flow temperature adjustable, incl. safety temperature limiter, total length of unit = 290 mm.	ORDER CODE RG HKV-VA (LOWARA)	QUANTITY UNIT piece
	<i>alternative pump GRUNDFOS Alpha 2L 15-40 - upon demand!</i> RG 2 HKV-VA (GRUNDFOS)	PACKAGING UNIT 1 piece	

SHUT-OFF SET HORIZONTAL

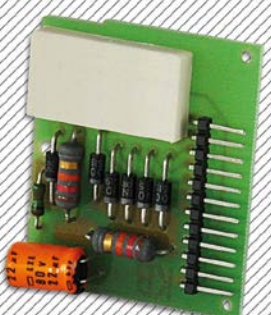
	2x ball valve ¾" female thread x 1" male thread, flat sealing, connection horizontal, among others for the shut off of flow and return of the pre-distributor HKV-VA, installation length = 50 mm	ORDER CODE ASH	QUANTITY UNIT set
		PACKAGING UNIT 2 piece	

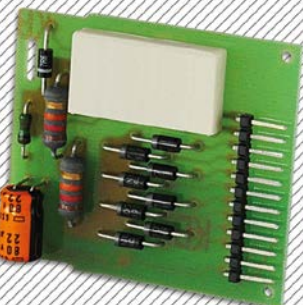
CONTROL UNIT


ACCESSORIES

ACCESSORIES			
	230 V, 50 Hz, closed when currentless, tightly arranged design, operating display, fixing M30 x 1,5, incl. 0,8 m connection wire, pure white	ORDER CODE	QUANTITY UNIT
		STA 230V	piece
		PACKAGING UNIT	
		1 piece	

ACCESSORIES [CONTROL UNIT]

PUMP MODULE FOR 5-CHANNEL-TERMINAL BLOCK (WIRE)			
	pluggable, activates pump, as soon as 1 channel receives a heating demand	ORDER CODE	QUANTITY UNIT
		PM5	piece
		PACKAGING UNIT	
		1 piece	

PUMP MODULE FOR 8-CHANNEL-TERMINAL BLOCK (WIRE)			
	pluggable, activates pump, as soon as 1 channel receives a heating demand	ORDER CODE	QUANTITY UNIT
		PM8	piece
		PACKAGING UNIT	
		1 piece	


MAGNET FASTENING SET			
	for the simple fastening of terminal blocks / multi-channel-receivers within the distributor boxes, 4 pieces per set	ORDER CODE	QUANTITY UNIT
		MBS	4 piece / set
		PACKAGING UNIT	
		1 Set	

CONTROL UNIT

ACCESSORIES [CONTROL UNIT]

CONTINUATION

CONNECTION COMBINATION RADIATOR

	ORDER CODE	QUANTITY UNIT
	AK HK	piece
	PACKAGING UNIT	
	1 piece	
<p>for the connection and separate control of an underfloor heating to a radiator heating, flow with thermostatic valve, connection of thermostat head M30 x 1,5, return flow with adjustable temperature limiter, radiator / pipe connection G3/4" euro cone</p>		

ACCESSORIES

BUILT-IN BOX

BUILT-IN BOX BUILT-IN BOX, COVER WHITE

	ORDER CODE	QUANTITY UNIT
	UP BW	piece
	PACKAGING UNIT	
	1 piece	
<p>with magnetic clamp, WxHxD 120 x 310 x 60 mm, (if required pipe lead-through to break-off, adjustable depth from 60 to 95 mm) minimum height for installation 200 mm</p>		

ACCESSORIES


ACCESSORIES [CONTROL UNIT]

CONTINUATION




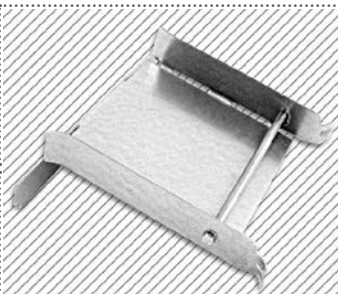
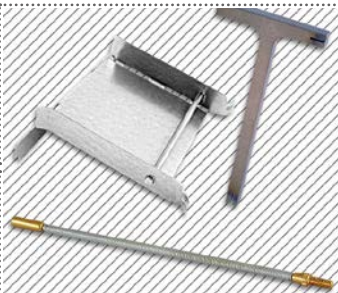
BUILT-IN BOX BUILT-IN BOX WITH COVER READY TO DECORATE AND TILE

	ORDER CODE	QUANTITY UNIT
	UP BU	piece
	PACKAGING UNIT	
	1 piece	
WxHxD 450 x 200 x 90 mm (if required pipe lead-through to break off, adjustable depth from 90 to 140 mm), minimum height for installation 200 mm		

BUILT-IN BOX BUILT-IN BOX WITH FRAME AND DOOR


	ORDER CODE	MENGEINHEIT / ME
	UP BR T	piece
	PACKAGING UNIT	
	1 piece	
(powder coated white) WxHxD 450 x 200 x 90 mm (if required pipe lead-through to break off, adjustable depth from 90 to 140 mm), minimum height for installation 200 mm		

TOOL


PIPE THREADER STANDARD FOR HEATING PIPE Ø 8 mm			
	steel spring for screwing into the pipe end for better guidance of the pipe when threading into the comb panels; l = 245 mm	ORDER CODE	QUANTITY UNIT
		RE 8	piece
		PACKAGING UNIT	
		1 piece	
PIPE THREADER SPECIAL FOR HEATING PIPE Ø 10 mm [for WP 2000 only]			
	steel spring for screwing into the pipe ends for an ideal guidance of the pipe when threading into the comb panels; l = 245 mm	ORDER CODE	QUANTITY UNIT
		RE 10	piece
		PACKAGING UNIT	
		1 piece	
TWISTING TOOL			
	for the twisting of bending clips and thus forming an interlocking connection among the comb panels	ORDER CODE	QUANTITY UNIT
		VS	piece
		PACKAGING UNIT	
		1 piece	
TURNING ROLL			
	special tool for the fitting of 180 ° bends when inserting the heating pipe	ORDER CODE	QUANTITY UNIT
		UR	piece
		PACKAGING UNIT	
		1 piece	
TOOL SET			
	TOOL SET for heating pipe Ø 10 mm consisting of 5x turning roll, 1x pipe threader, 1x twisting tool	ORDER CODE	QUANTITY UNIT
		WS 8 WS 10	Set

TOOL

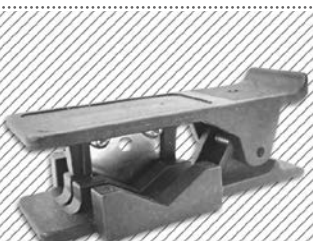
PIPE SHEARS

	for synthetic pipe, for cutting-off without burrs and pipe deformation, for pipe diameter 4 to 22 mm	ORDER CODE	QUANTITY UNIT
		ROS	piece
		PACKAGING UNIT	
		1 piece	

SPARE CUTTERS FOR PIPE SHEARS

	for synthetic pipe, for cutting-off without burrs and pipe deformation, for pipe diameter 4 to 22 mm	ORDER CODE	QUANTITY UNIT
		ROS EM	piece
		PACKAGING UNIT	
		1 Piece	


PIPE CLIPPER

	for synthetic pipe, for cutting-off without burrs and pipe deformation, for pipe diameter 4 to 12 mm	ORDER CODE	QUANTITY UNIT
		RC	piece
		PACKAGING UNIT	
		1 piece	

SPARE BLADE FOR PIPE CLIPPER

	for synthetic pipe, for cutting-off without burrs and pipe deformation, for pipe diameter 4 to 12 mm	ORDER CODE	QUANTITY UNIT
		RC EK	piece
		PACKAGING UNIT	
		1piece	

SHEET METAL SHEARS


	for the accurate building situation-dependent cutting of the comb panels and the cut-out of panel parts when fitting of pipe bends	ORDER CODE	QUANTITY UNIT
		HBS	piece
		PACKAGING UNIT	
		1 piece	

REPAIR SET


STANDARD \varnothing 8 mm

8

REPAIR SET 8

	2 x plug connector \varnothing 8 mm, for the repair of pipe damages after backfilling with screed (incl. 2x supporting sleeve)	ORDER CODE RS 8	QUANTITY UNIT piece
		PACKAGING UNIT 1 piece	


REPAIR SET PIPE SOCKET FOR HEATING PIPE \varnothing 8 mm

	pipe socket \varnothing 8 mm upon compression fitting \varnothing 8 mm, flat sealing with rubber ring (incl. 1x supporting sleeve)	ORDER CODE RS QV 8	QUANTITY UNIT piece
		PACKAGING UNIT 1 piece	


SPECIAL \varnothing 10 mm

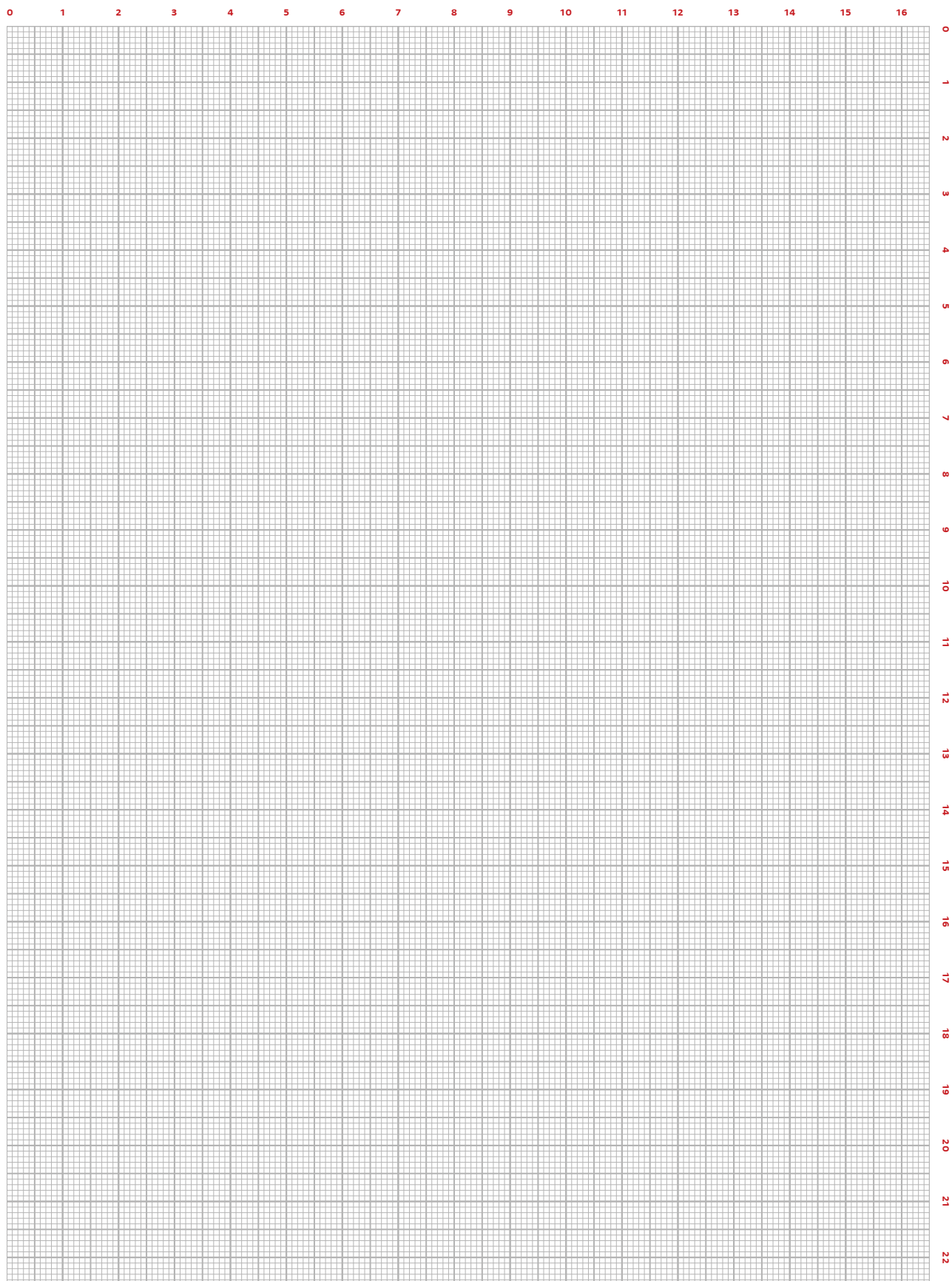
10

REPAIR SET 10

	2 x plug connector \varnothing 10 mm, for the repair of pipe damages after the backfilling with screed (incl. 2x supporting sleeve)	ORDER CODE RS 10	QUANTITY UNIT piece
		PACKAGING UNIT 1 piece	

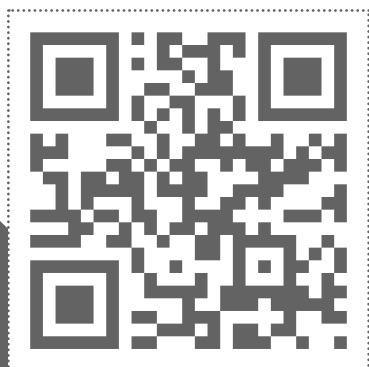
REPAIR SET PIPE SOCKET FOR HEATING PIPE \varnothing 10 mm

	pipe socket \varnothing 10 mm upon compression fitting \varnothing 10 mm, flat sealing with rubber ring (incl. 1x supporting sleeve)	ORDER CODE RSQV10	QUANTITY UNIT piece
		PACKAGING UNIT 1 piece Upon request!	





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