TWEETOP™

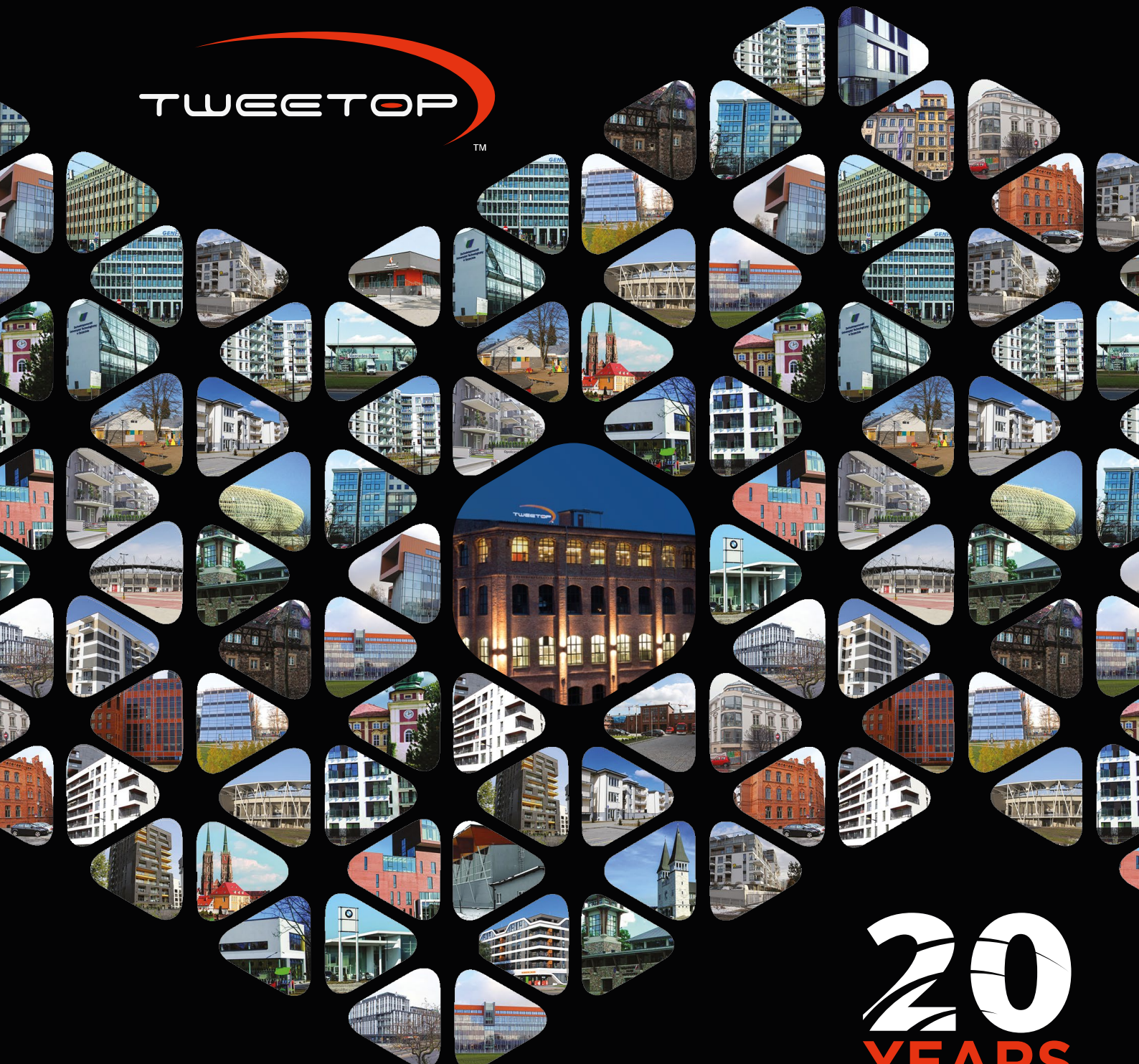**20 YEARS**
ON THE MARKET

Products 🇬🇧

Internal water transmission and heating systems

ver. 3.5

TWEETOP™

Internal water transmission and heating systems

Company profile

The Tweetop company was established in 2001. Since that time, year by year, the sales volume of the Tweetop system has been consistently increasing. Thanks to the company's rapid development in 2008 Tweetop became a pipe producer. At the end of 2010, Tweetop started the production of fittings.

The main product of the company is the Tweetop system, based on multilayer pipes and press fittings - the most modern system in the plastic pipe world. Tweetop offers pipes and fittings in dimension range of 14 – 75mm with all the necessary tools and accessories dedicated to different applications, from household to industrial ones. The core application of the Tweetop system is surface heating, where turnkey solutions along with design services are delivered to the customer.

All of our specialists, whether working in a trade, logistics, production departments, or quality control, have significant experience in the field. This assures the quality of services on every single level, from development to supply of our products. Thanks to the expertise of our team, each client is guaranteed a full individual professional service, from the beginning to the very end.

Full product technical support is always provided by experienced application engineers, certified with design licenses required by Polish building law.

Tweetop meets the latest EU standards, which is why the declaration of compliance with EU standards for the Tweetop system can be issued if requested.

Table of contents

Production and quality control

Tweetop manufactures top-quality multilayer pipes since 2008, using modern extrusion production lines. In June 2011 a new production line manufactured by a leading German company was installed. The sophistication and efficiency of our machines allow us to significantly increase our production capacity. By the end of 2010, Tweetop launched the production of fittings.

The most important part of our production department is the quality control. Thanks to the well-equipped laboratory, Tweetop can control raw materials as well as the final products. The company can conduct all the necessary tests recommended by European standards and technical approvals. Additionally, Tweetop provides multiple various tests, such as thermocycler test (according to DVGW W542); internal pressure resistance test; adhesion force test – dissection resistance; expansion test – stretching resistance; heat test; control of marking, appearance, and geometry of pipes; ball test (internal diameter check); mass flow rate test (MFR).

Internal water transmission and heating systems
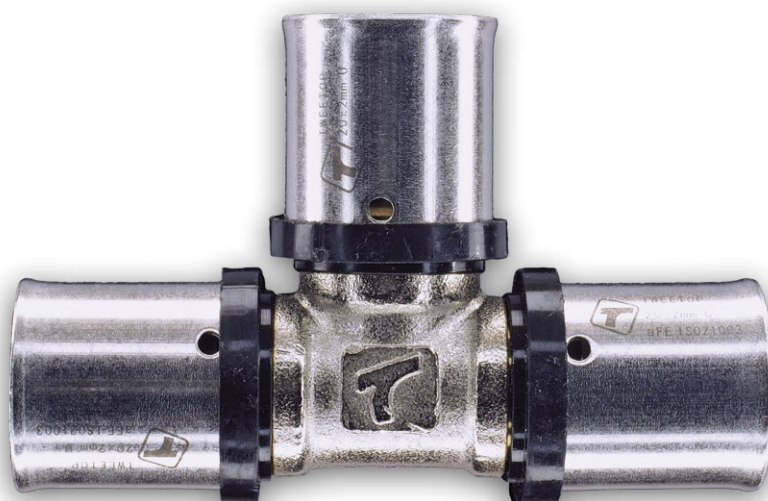
Press rings are included for all press fittings

Tweetop Pressed System 14-75 mm

The main method of joining Tweetop pipes is the use of pressed fittings. The connection between the pipe and the fitting is obtained by pressing the pipe into the fitting's profile in the connection area, using a pressing tool equipped with U-type jaws, adapted to the type of fitting. The tightness of the connection chamber is guaranteed by two O-ring seals, perfectly integrated into the joint area. Pressed fittings can be used in the floor groove or a wall furrow. Tweetop fittings are manufactured from pressed type CW617N brass, resistant to dezincification, which makes them resistant to corrosion.

[1] 5-layer pipe PERT II-EVOH
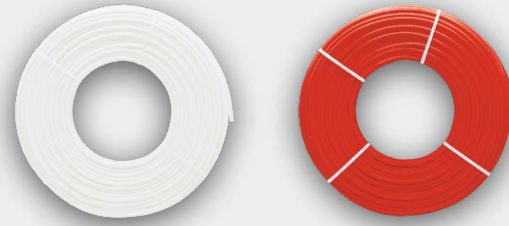
*available until stocks last

5-layer pipe PERT II-EVOH

	size	code	unit	package
1.01	12x2,0	08010101/085	coil / m	85
1.02	12x2,0	08010101/140	coil / m	140
1.03	12x2,0	08010101/200	coil / m	200
1.04	14x2,0	08010102/200	coil / m	200
1.05	16x2,0	08010103/200	coil / m	200
1.06	16x2,0	08010103/200R	coil / m	200
1.07	16x2,0	08010103/500	coil / m	500
1.08	16x2,0	08010103/500R	coil / m	500
1.09	16x2,0	08010103/600	coil / m	600
1.10	16x2,0	08010103/600R	coil / m	600
1.11	17x2,0	08010104/200	coil / m	200
1.12	17x2,0	08010104/200R	coil / m	200
1.13	17x2,0	08010104/500	coil / m	500
1.14	17x2,0	08010104/500R	coil / m	500
1.15	17x2,0	08010104/600	coil / m	600
1.16	17x2,0	08010104/600R	coil / m	600
1.17	18x2,0	08010105/200	coil / m	200
1.18	18x2,0	08010105/200R	coil / m	200
1.19	18x2,0	08010105/500	coil / m	500
1.20	18x2,0	08010105/500R	coil / m	500
1.21	18x2,0	08010105/600	coil / m	600
1.22	18x2,0	08010105/600R	coil / m	600
1.23	20x2,0	08010107/200	coil / m	200
1.24	20x2,0	08010107/200R	coil / m	200
1.25	20x2,0	08010107/500	coil / m	500
1.26	20x2,0	08010107/500R	coil / m	500
1.27	25x2,5*	08010109/050	coil / m	50
1.28	25x2,5*	08010109/100	coil / m	100

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2 Multilayer pipe PERT II / AL / PERT II

4m

Multilayer pipe PERT II / AL / PERT II				
	size	code	unit	package
2.01	14x2,0	06010101/200	coil / m	200
2.02	16x2,0	06010103/100	coil / m	100
2.03	16x2,0	06010103/200	coil / m	200
2.04	16x2,0	06010103/600	coil / m	600
2.05	18x2,0	06010105/200	coil / m	200
2.06	20x2,0	06010107/100	coil / m	100
2.07	20x2,0	06010107/200	coil / m	200
2.08	25x2,5	06010109/050	coil / m	50
2.09	25x2,5	06010109/100	coil / m	100
2.10	32x3,0	06010111/050	coil / m	50
2.11	straight bars 16x2,0	06010103/004	barbell / m	4
2.12	straight bars 20x2,0	06010107/004	barbell / m	4
2.13	straight bars 25x2,5	06010109/004	barbell / m	4
2.14	straight bars 32x3,0	06010111/004	barbell / m	4
2.15	straight bars 40x4,0	06010113/003	barbell / m	3
2.16	straight bars 40x4,0	06010113/004	barbell / m	4
2.17	straight bars 50x4,5	06010115/003	barbell / m	3
2.18	straight bars 50x4,5	06010115/004	barbell / m	4
2.19	straight bars 63x6,0	06010117/003	barbell / m	3
2.20	straight bars 63x6,0	06010117/004	barbell / m	4
2.21	straight bars 75x7,5	06010119/003	barbell / m	3
2.22	straight bars 75x7,5	06010119/004	barbell / m	4

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_3_ Multilayer ^{PERT II / AL / PERT II} in insulation 9 mm
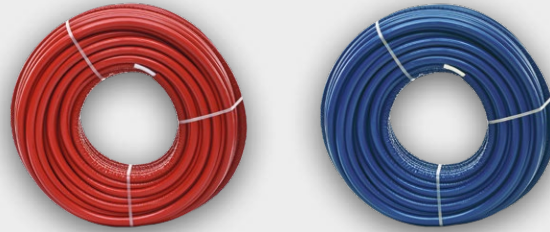
Multilayer pipe PERT II / AL / PERT II in insulation 9mm				
	size	code	unit	package
3.01	16×2,0	06010503/cz	coil / m	100
3.02	16×2,0	06010503/n	coil / m	100
3.03	20×2,0	06010507/cz	coil / m	50
3.04	20×2,0	06010507/n	coil / m	50
3.05	25×2,5	06010509/cz	coil / m	50
3.06	25×2,5	06010509/n	coil / m	50
3.07	32×3,0	06010511/cz	coil / m	25
3.08	32×3,0	06010511/n	coil / m	25

_4_ Press coupling
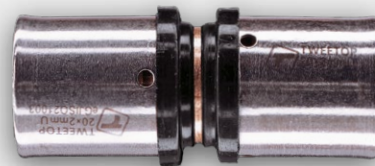
press rings included

Press coupling				
	size	code	unit	package
4.01	14x14	06011001	pcs	54
4.02	16x16	06011003	pcs	45
4.03	18x18	06011005	pcs	40
4.04	20x20	06011007	pcs	30
4.05	25x25	06011009	pcs	15
4.06	32x32	06011011	pcs	10
4.07	40x40	06011013	pcs	1
4.08	50x50	06011015	pcs	1
4.09	63x63	06011017	pcs	1
4.10	75x75	06011019	pcs	1

^{5} Press coupling - reducer

press rings included

Press coupling - reducer				
	size	code	unit	package
5.01	18x16	06011103	pcs	40
5.02	20x16	06011105	pcs	37
5.03	20x18	06011111	pcs	35
5.04	25x16	06011107	pcs	20
5.05	25x18	06011113	pcs	20
5.06	25x20	06011117	pcs	20
5.07	32x16	06011109	pcs	15
5.08	32x18	06011115	pcs	14
5.09	32x20	06011119	pcs	12
5.10	32x25	06011121	pcs	12
5.11	40x20	06011122	pcs	1
5.12	40x25	06011123	pcs	1
5.13	40x32	06011125	pcs	1
5.14	50x25	06011124	pcs	1
5.15	50x32	06011126	pcs	1
5.16	50x40	06011127	pcs	1
5.17	63x25	06011120	pcs	1
5.18	63x32	06011128	pcs	1
5.19	63x40	06011129	pcs	1
5.20	63x50	06011131	pcs	1
5.21	75x32	06011134	pcs	1
5.22	75x40	06011132	pcs	1
5.23	75x50	06011133	pcs	1
5.24	75x63	06011135	pcs	1

^{6}Male press connection
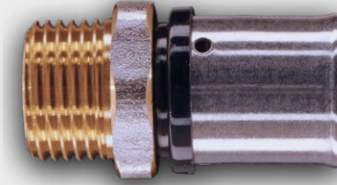
press rings included

Male press connection				
	size	code	unit	package
6.01	16x1/2"	06011205	pcs	50
6.02	16x3/4"	06011207	pcs	40
6.03	16x1"	06011209	pcs	24
6.04	18x1/2"	06011211	pcs	40
6.05	18x3/4"	06011213	pcs	35
6.06	20x1/2"	06011215	pcs	40
6.07	20x3/4"	06011217	pcs	35
6.08	20x1"	06011219	pcs	24
6.09	25x1/2"	06011221	pcs	20
6.10	25x3/4"	06011223	pcs	18
6.11	25x1"	06011225	pcs	16
6.12	32x3/4"	06011227	pcs	12
6.13	32x1"	06011229	pcs	12
6.14	32x1 1/4"	06011233	pcs	8
6.15	40x1 1/4"	06011235	pcs	1
6.16	50x1 1/2"	06011237	pcs	1
6.17	50x2"	06011239	pcs	1
6.18	63x2"	06011241	pcs	1
6.19	75x2 1/2"	06011243	pcs	1

⁷ Female press connection

press rings included   *available until stocks last

Feemale press connection				
	size	code	unit	package
7.01	16x1/2”	06011305	pcs	40
7.02	16x3/4”	06011307	pcs	30
7.03	16x1”	06011309	pcs	22
7.04	18x1/2”	06011311	pcs	40
7.05	18x3/4”*	06011313	pcs	30
7.06	20x1/2”	06011315	pcs	35
7.07	20x3/4”	06011317	pcs	30
7.08	20x1”	06011319	pcs	20
7.09	25x1/2”	06011321	pcs	20
7.10	25x3/4”	06011323	pcs	20
7.11	25x1”	06011325	pcs	12
7.12	32x3/4”	06011327	pcs	16
7.13	32x1”	06011329	pcs	12
7.14	40x1 1/4”	06011331	pcs	1
7.15	50x1 1/2”	06011333	pcs	1
7.16	63x2”	06011335	pcs	1

⁸ Press screw connection with female thread
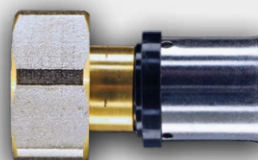
press rings included

Press screw connection with female thread				
	size	code	unit	package
8.01	16x1/2”	06011403	pcs	48
8.02	20x3/4”	06011405	pcs	24
8.03	20x1”	06011407	pcs	20
8.04	25x3/4”	06011409	pcs	18
8.05	25x1”	06011411	pcs	14
8.06	32x1”	06011413	pcs	10

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[9] Press screw connection with male thread
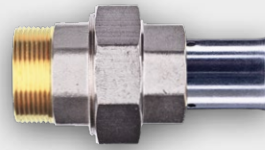
*available until stocks last

press rings included

Press screw connection with male thread				
	size	code	unit	package
9.01	40×1 1/2"*	06011511	pcs	1
9.02	50×1 1/2"*	06011513	pcs	1

[10] Press connection - separable
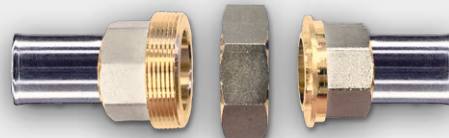
*available until stocks last

press rings included

Press connection - separable				
	size	code	unit	package
10.01	40×40*	06011611	pcs	1
10.02	50×50*	06011613	pcs	1

[11] Press elbow 90°

press rings included

Press elbow 90°				
	size	code	unit	package
11.01	16x16	06012003	pcs	32
11.02	18x18	06012005	pcs	25
11.03	20x20	06012007	pcs	22
11.04	25x25	06012009	pcs	11
11.05	32x32	06012011	pcs	6
11.06	40x40	06012013	pcs	1
11.07	50x50	06012015	pcs	1
11.08	63x63	06012017	pcs	1
11.09	75x75	06012019	pcs	1

12 Press elbow 90° with male thread
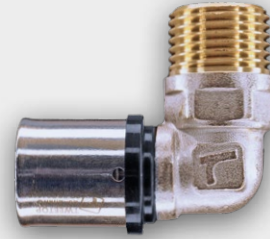
press rings included

Press elbow 90° with male thread				
	size	code	unit	package
12.01	16x1/2"	06012103	pcs	25
12.02	16x3/4"	06012107	pcs	20
12.03	18x1/2"	06012105	pcs	25
12.04	20x1/2"	06012109	pcs	20
12.05	20x3/4"	06012111	pcs	18
12.06	25x1/2"	06012113	pcs	12
12.07	25x3/4"	06012115	pcs	12
12.08	25x1"	06012117	pcs	8
12.09	32x1"	06012119	pcs	8
12.10	40x1"	06012121	pcs	1

13 Press elbow 90° with female thread

press rings included

Press elbow 90° with female thread				
	size	code	unit	package
13.01	16x1/2"	06012203	pcs	30
13.02	16x3/4"	06012205	pcs	18
13.03	18x1/2"	06012207	pcs	25
13.04	20x1/2"	06012209	pcs	22
13.05	20x3/4"	06012211	pcs	15
13.06	25x1/2"	06012213	pcs	12
13.07	25x3/4"	06012215	pcs	10
13.08	25x1"	06012217	pcs	8
13.09	32x1"	06012219	pcs	8
13.10	40x1 1/2"	06012222	pcs	1
13.11	50x1 1/2"	06012225	pcs	1

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¹⁴ Press elbow 90° reducer

*available until stocks last   press rings included

Press elbow 90° reducer				
	size	code	unit	package
14.01	20x16	06012303	pcs	25
14.02	25x16	06012305	pcs	16
14.03	25x20	06012307	pcs	14
14.04	32x20	06012309	pcs	10
14.05	40x25*	06012311	pcs	1
14.06	40x32*	06012313	pcs	1
14.07	50x40*	06012315	pcs	1

¹⁵ Press elbow 90° - tap connection

15.01 - 15.03   15.04

press rings included

Press elbow 90° - tap connection				
	size	code	unit	package
15.01	16x1/2"	06012403	pcs	14
15.02	18x1/2"	06012405	pcs	14
15.03	20x1/2"	06012407	pcs	12
15.04	16x1/2"x16	06012404	pcs	10

¹⁶ Press tee
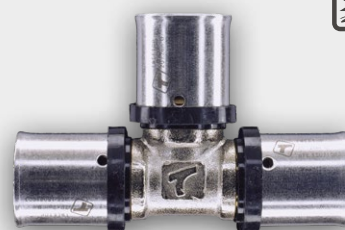
press rings included

Press tee				
	size	code	unit	package
16.01	16x16x16	06013003	pcs	20
16.02	18x18x18	06013005	pcs	20
16.03	20x20x20	06013007	pcs	14
16.04	25x25x25	06013009	pcs	6
16.05	32x32x32	06013011	pcs	4
16.06	40x40x40	06013013	pcs	1
16.07	50x50x50	06013015	pcs	1
16.08	63x63x63	06013017	pcs	1
16.09	75x75x75	06013019	pcs	1

¹⁷ Press tee with reducer

press rings included

Press tee with reducer				
	size	code	unit	package
17.01	16x18x16	06013106	pcs	20
17.02	16x20x16	06013105	pcs	18
17.03	16x25x16	06013103	pcs	10
17.04	18x16x16	06013108	pcs	20
17.05	18x16x18	06013110	pcs	14
17.06	20x16x16	06013107	pcs	20
17.07	20x16x20	06013109	pcs	14
17.08	20x18x20	06013111	pcs	14
17.09	20x20x16	06013113	pcs	18
17.10	20x25x20	06013115	pcs	8
17.11	25x16x25	06013117	pcs	9

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17.12	25x18x25	06013119	pcs	9
17.13	25x20x20	06013123	pcs	10
17.14	25x20x25	06013121	pcs	8
17.15	25x25x20	06013125	pcs	7
17.16	25x32x25	06013127	pcs	4
17.17	32x16x32	06013129	pcs	5
17.18	32x20x32	06013131	pcs	5
17.19	32x25x32	06013133	pcs	5
17.20	40x20x40	06013134	pcs	1
17.21	40x25x40	06013135	pcs	1
17.22	40x32x40	06013137	pcs	1
17.23	50x25x50	06013138	pcs	1
17.24	50x32x50	06013139	pcs	1
17.25	50x40x50	06013141	pcs	1
17.26	63x32x63	06013142	pcs	1
17.27	63x40x63	06013143	pcs	1
17.28	63x50x63	06013145	pcs	1
17.29	75x32x75	06013148	pcs	1
17.30	75x40x75	06013146	pcs	1
17.31	75x50x75	06013147	pcs	1
17.32	75x63x75	06013149	pcs	1

¹⁸ Press tee with female thread

press rings included

Press tee with female thread				
	size	code	unit	package
18.01	16x1/2"x16	06013203	pcs	16
18.02	20x1/2"x20	06013205	pcs	12
18.03	20x3/4"x20	06013207	pcs	10
18.04	25x1/2"x25	06013209	pcs	8
18.05	25x3/4"x25	06013211	pcs	7
18.06	25x1"x25	06013213	pcs	5
18.07	32x3/4"x32	06013215	pcs	4
18.08	32x1"x32	06013217	pcs	3
18.09	40x3/4"x40	06013219	pcs	1

¹⁹ Press tee with male thread
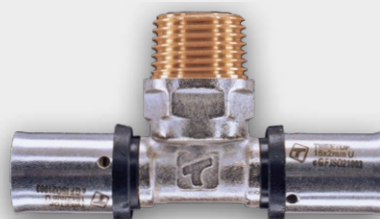
press rings included

Press tee with female thread				
	size	code	unit	package
19.01	16×1/2"×16	06013303	pcs	18
19.02	20×1/2"×20	06013305	pcs	14

²⁰ Stop end press coupling

press rings included

Stop end press coupling for permanent closing of pipes				
	size	code	unit	package
20.01	16	06011803	pcs	75

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21 Stainless steel manifold for heating system
with valves and nipples

*available until stocks last

Stainless steel manifold for heating system with valves and nipples				
	size	code	unit	package
21.01	2 circuits*	06046024	pcs	1
21.02	3 circuits*	06046026	pcs	1
21.03	4 circuits*	06046028	pcs	1
21.04	5 circuits*	06046030	pcs	1
21.05	6 circuits*	06046032	pcs	1
21.06	7 circuits*	06046034	pcs	1
21.07	8 circuits*	06046036	pcs	1
21.08	9 circuits*	06046038	pcs	1
21.09	10 circuits*	06046040	pcs	1
21.10	11 circuits*	06046042	pcs	1
21.11	12 circuits*	06046044	pcs	1

Information

Manifold made of stainless steel, 2-12 circuits
a) in set:
• supply and return manifold
• air vent and dewatering set for supply and return manifold
• manifold brackets
• nipples 3/4" for every circuit
b) connection with installation by thread 1" (screw connection)

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22 MLP - copper fitting (spigot type)

press rings included

MLP - copper fitting (spigot type)				
	size	code	unit	package
22.01	16x15Cu	06011701	pcs	33
22.02	20x15Cu	06011703	pcs	30
22.03	20x22Cu	06011704	pcs	28
22.04	25x22Cu	06011706	pcs	14
22.05	25x28Cu	06011708	pcs	8
22.06	32x28Cu	06011710	pcs	8

23 Compression adapter to manifold or radiator
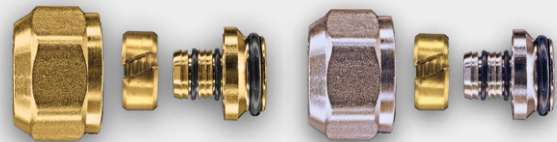
Compression adapter to manifold or radiator				
	size	code	unit	package
23.01	12×3/4" brass	06015000	pcs	48
23.02	14×3/4" brass	06015001	pcs	48
23.03	16×3/4" brass	06015003	pcs	45
23.04	16×3/4" brass, partly nickel plated	06015005	pcs	45
23.05	17x3/4" brass	06015006	pcs	45
23.06	18×3/4" brass	06015007	pcs	45
23.07	20×3/4" brass	06015009	pcs	45
23.08	20×3/4" brass, partly nickel plated	06015011	pcs	45

The latest catalogue version is available for download at www.tweetop.com

^{24} Press connection elements with nickel plated copper pipe

24.01

24.02

24.03

24.04

Press connection elements with nickel plated coper pipe				
	size	code	unit	package
24.01	elbow 16×15S	06015103	pcs	1
24.02	tee 16×15S×16	06015203	pcs	1
24.03	connector with soft seal for nickeled copper pipe /	06015301	pack (2 pcs)	2
24.04	connector with loop for radiator (nickel plated)	06015403	pcs	1

Tweetop Compression Fittings 16-25 mm

Tweetop threaded (compression) fittings are made of nickel-plated brass in the diameter range from 16mm to 25mm. Thanks to advancements in the production process, the occurrence of material defects is almost non-existent. Nickel-plating prevents the washout of zinc and brass corrosion. The main advantage of using such a fitting type is that its installation does not require specialized and expensive tools.

25 Compression coupling
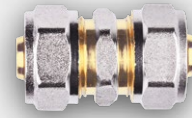
Compression coupling

	size	code	unit	package
25.01	16x16	06021001	pcs	25
25.02	20x20	06021003	pcs	20
25.03	25x25	06021005	pcs	11

26 Compression coupling reducer

Compression coupling reducer

	size	code	unit	package
26.01	20x16	06021101	pcs	24
26.02	25x16	06021105	pcs	15
26.03	25x20	06021103	pcs	15

27 Male compression connection
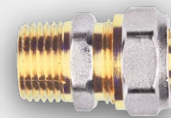
*available until stocks last

Male compression connection

	size	code	unit	package
27.01	16x1/2"	06021201	pcs	40
27.02	16x3/4"	06021203	pcs	35
27.03	16x1"*	06021205	pcs	20
27.04	20x1/2"	06021207	pcs	30
27.05	20x3/4"	06021209	pcs	30
27.06	20x1"	06021211	pcs	20
27.07	25x1/2"	06021213	pcs	15
27.08	25x3/4"	06021215	pcs	15
27.09	25x1"	06021217	pcs	15

28 Female compression connection
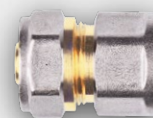
*available until stocks last

Female compression connection

	size	code	unit	package
28.01	16x1/2"	06021301	pcs	40
28.02	16x3/4"	06021303	pcs	30
28.03	16x1"*	06021305	pcs	18
28.04	20x1/2"	06021307	pcs	30
28.05	20x3/4"	06021309	pcs	25
28.06	20x1"	06021311	pcs	12
28.07	25x1/2"	06021313	pcs	20
28.08	25x3/4"	06021315	pcs	20
28.09	25x1"	06021317	pcs	12

29 Compression elbow 90° with male thread
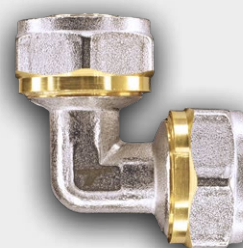
Compression elbow 90° with male thread

	size	code	unit	package
29.01	16x16	06022001	pcs	20
29.02	20x20	06022003	pcs	14
29.03	25x25	06022005	pcs	8

30 Compression elbow 90° with male thread

Compression elbow 90° with male thread

	size	code	unit	package
30.01	16x1/2"	06022101	pcs	25
30.02	16x3/4"	06022103	pcs	24
30.03	20x1/2"	06022105	pcs	20
30.04	20x3/4"	06022107	pcs	20
30.05	25x1/2"	06022109	pcs	14
30.06	25x3/4"	06022111	pcs	12

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31 Compression elbow 90° with female thread

Compression elbow 90° with female thread

	size	code	unit	package
31.01	16x1/2"	06022201	pcs	25
31.02	16x3/4"	06022203	pcs	18
31.03	20x1/2"	06022205	pcs	20
31.04	20x3/4"	06022207	pcs	16
31.05	25x1/2"	06022209	pcs	16
31.06	25x3/4"	06022211	pcs	12
31.07	25x1"	06022213	pcs	9

32 Compression tee 90°
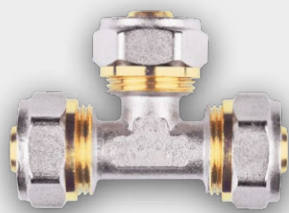
Compression tee 90°

	size	code	unit	package
32.01	16×16×16	06030201	pcs	14
32.02	20×20×20	06030203	pcs	10
32.03	25×25×25	06030205	pcs	6

TWEETOP™

33 Compression tee with reducer 90°

*available until stocks last

Compression tee with reducer 90°

	size	code	unit	package
33.01	16x25x16*	06031201	pcs	8
33.02	20x16x20	06031203	pcs	12
33.03	20x25x20*	06031205	pcs	7
33.04	25x16x25	06031207	pcs	8
33.05	25x20x25	06031209	pcs	6
33.06	25x20x20*	06031211	pcs	6
33.07	25x25x20	06031213	pcs	6

34 Compression tee with female thread

*available until stocks last

Compression tee with female thread

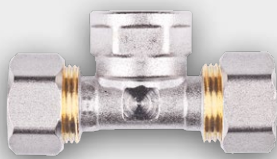|	size	code	unit	package
34.01	16x1/2"x16	06032201	pcs	18
34.02	20x1/2"x20	06032203	pcs	14
34.03	20x3/4"x20	06032205	pcs	10
34.04	25x1/2"x25	06032207	pcs	8
34.05	25x3/4"x25	06032209	pcs	8
34.06	25x1"x25*	06032211	pcs	7

The latest catalogue version is available for download at www.tweetop.com

35 Compression tee with male thread
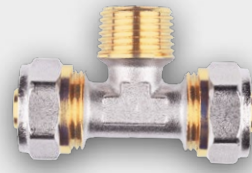
Compression tee with male thread

	size	code	unit	package
35.01	16×1/2"×16	06033201	pcs	18
35.02	20×1/2"×20	06033203	pcs	14

36 Compression elbow 90⁰ - tap connection

Compression elbow 90⁰ - tap connection

	size	code	unit	package
36.01	16×1/2"	06022401	pcs	16
36.02	20×1/2"	06022403	pcs	14

37 Compression four way fitting

*available until stocks last

Compression four way fitting

	size	code	unit	package
37.01	16×16×16×16*	06024001	pcs	10
37.02	20×20×20×20*	06024003	pcs	7
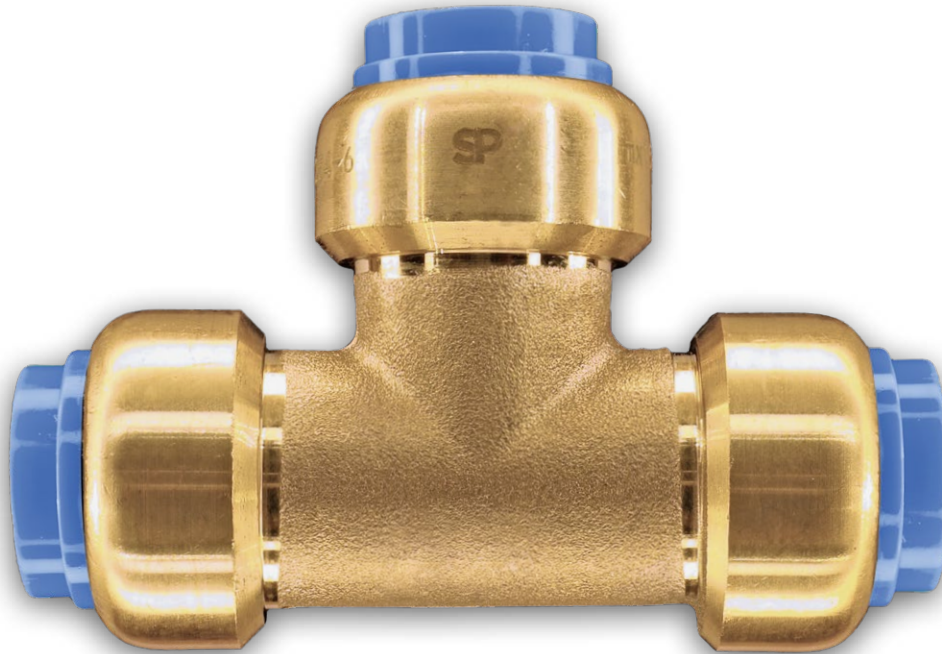
Tweetop Smart PUSH fittings

Smart PUSH fittings are dedicated for use with the following types of Tweetop plastic pipes: PERT-Al-PERT and EVOH-PERT. Thank's to its unique construction, making connections with Smart PUSH fittings is safe, quick, and easy.

³⁸ PUSH coupling
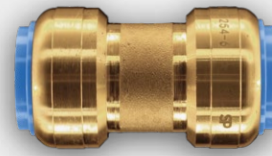
PUSH coupling				
	size	code	unit	package
38.01	16×16	06081001	pcs	25
38.02	20×20	06081003	pcs	18
38.03	25×25	06081005	pcs	13

³⁹ PUSH coupling - reducer

PUSH coupling - reducer				
	size	code	unit	package
39.01	20×16	06081101	pcs	18
39.02	25×20	06081105	pcs	13

⁴⁰ PUSH male connection

PUSH male connection				
	size	code	unit	package
40.01	16×1/2"	06081201	pcs	25
40.02	20×1/2"	06081205	pcs	18
40.03	20×3/4"	06081207	pcs	18
40.04	25×1"	06081213	pcs	13

[41] PUSH screw connection with female thread - detachable
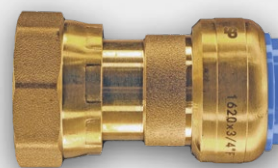
PUSH screw connection with female thread - detachable				
	size	code	unit	package
41.01	16×1/2"	06081401	pcs	25
41.02	20×3/4"	06081407	pcs	18

[42] PUSH elbow 90⁰
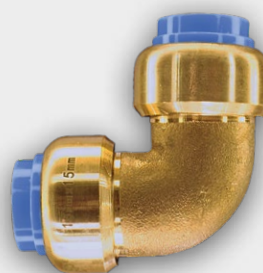
PUSH elbow 90°				
	size	code	unit	package
42.01	16×16	06082001	pcs	18
42.02	20×20	06082003	pcs	12
42.03	25x25	06082005	pcs	8

[43] PUSH elbow 90⁰ - tap connection

PUSH elbow 90° - tap connection				
	size	code	unit	package
43.01	16×1/2"	06082401	pcs	10

The latest catalogue version is available for download at www.tweetop.com
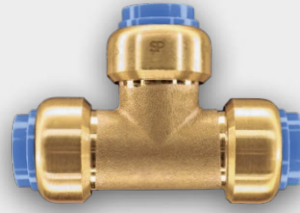
⁴⁴ PUSH tee

PUSH tee				
	size	code	unit	package
44.01	16×16x16	06083001	pcs	10
44.02	20×20x20	06083003	pcs	6
44.03	25x25x25	06083005	pcs	5

⁴⁵ PUSH tee with reducer
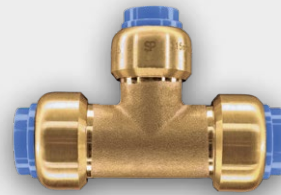
PUSH tee with reducer				
	size	code	unit	package
45.01	20×16x20	06083105	pcs	6

⁴⁶ PUSH end cap

PUSH end cap				
	size	code	unit	package
46.01	16	06081801	pcs	36
46.02	20	06081803	pcs	30
46.03	25	06081805	pcs	20

⁴⁷ Demounting tool

Narzędzie do rozłączania				
	size	code	unit	package
47.01	16	06086701	pcs	36
47.02	20	06086703	pcs	30
47.03	25	06086705	pcs	20
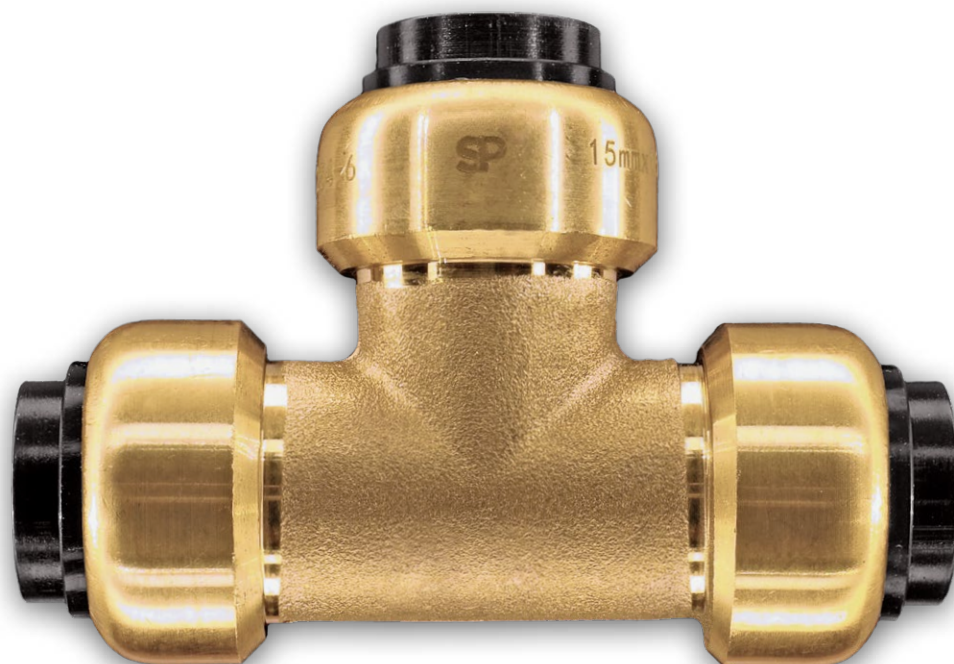
Tweetop SmartPUSH fittings for copper pipes*

Tweetop **SmartPUSH** range also includes fittings dedicated for use with copper pipes, produced according to EN 1057-1996 standard. Thank's to its unique construction, making connections with Smart Push fittings is safe, quick, and easy.

*available until stocks last

48 PUSH coupling

*available until stocks last

PUSH coupling for copper pipes			
	size	code	unit	package
48.01	15x15*	12091001	pcs	25

49 PUSH male connection
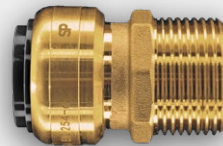
*available until stocks last

PUSH male connection for copper pipes			
	size	code	unit	package
49.01	15x1/2"*	12091201	pcs	25

50 PUSH elbow

*available until stocks last

PUSH elbow for copper pipes			
	size	code	unit	package
50.01	15x15*	12092001	pcs	18

51 PUSH elbow 90⁰ - tap connection

*available until stocks last

PUSH elbow 90 - tap connection for copper pipes			
	size	code	unit	package
51.01	15x1/2"*	12092401	pcs	10

The latest catalogue version is available for download at www.tweetop.com

52 PUSH tee

*available until stocks last

Trójnik PUSH prosty do rur z miedzi			
	size	code	unit	package
52.01	15x15x15*	12093001	pcs	10

53 PUSH end cap

*available until stocks last

PUSH end cap for copper pipes			
	size	code	unit	package
53.01	15*	12091801	pcs	36

54 Demounting tool

*available until stocks last

Demounting tool			
	size	code	unit	package
54.01	15*	06086702	pcs	36
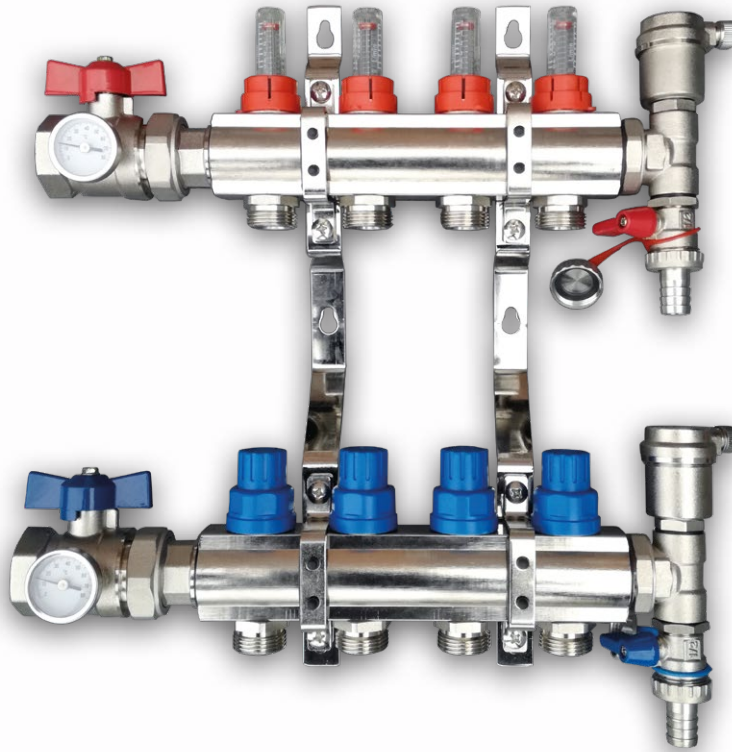
Tweetop UFH System

Tweetop surface heating is a low-temperature central heating system, which ensures a feeling of thermal comfort inside the room, thanks to the steady heat distribution on the whole heated area. This vertical temperature distribution is very beneficial due to the fact that it makes the floor heating characteristic very close to the ideal temperature distribution curve. The main advantage of the Tweetop floor system is its economy, thanks to the fact that the surface heating systems operate at low temperature parameters (the most often used temperatures are: 45/35°C, ΔT=10 K, max. temp is 50°C).

TWEETOP ™

55 Underfloor heating systems
5-layer pipe PERT II-EVOH

5-layer pipe PERT II-EVOH				
	size	code	unit	package
55.01	12x2,0	08010101/200	coil / m	200
55.02	14x2,0	08010102/200	coil / m	200
55.03	16x2,0	08010103/200	coil / m	200
55.04	16x2,0	08010103/600	coil / m	600
55.05	17x2,0	08010104/200	coil / m	200
55.06	17x2,0	08010104/600	coil / m	600
55.07	18x2,0	08010105/200	coil / m	200
55.08	18x2,0	08010105/600	coil / m	600
55.09	20x2,0	08010107/200	coil / m	200
55.10	20x2,0	08010107/500	coil / m	500

56 Multilayer pipe PERT II / AL / PERT II

Multilayer pipe PERT II / AL / PERT II				
	size	code	unit	package
56.01	14×2,0	06010101/200	coil / m	200
56.02	16×2,0	06010103/100	coil / m	100
56.03	16×2,0	06010103/200	coil / m	200
56.04	16×2,0	06010103/600	coil / m	600
56.05	18×2,0	06010105/200	coil / m	200
56.06	20×2,0	06010107/100	coil / m	100
56.07	20×2,0	06010107/200	coil / m	200
56.08	25×2,5	06010109/050	coil / m	50
56.09	25×2,5	06010109/100	coil / m	100

The latest catalogue version is available for download at www.tweetop.com

57 Compression adapter to manifold or radiator

Compression adapter to manifold or radiator				
	size	code	unit	package
57.01	12×3/4" brass	06015000	pcs	48
57.02	14×3/4" brass	06015001	pcs	48
57.03	16×3/4" brass	06015003	pcs	45
57.04	16×3/4" brass, partly nickel plated	06015005	pcs	45
57.05	17×3/4" brass	06015006	pcs	45
57.06	18×3/4" brass	06015007	pcs	45
57.07	20×3/4"brass	06015009	pcs	45
57.08	20×3/4'' brass, partly nickel plated	06015011	pcs	45

TWEETOP™

58 Manifolds for UFH system 1" Optimum
with flow meters and regulation valves
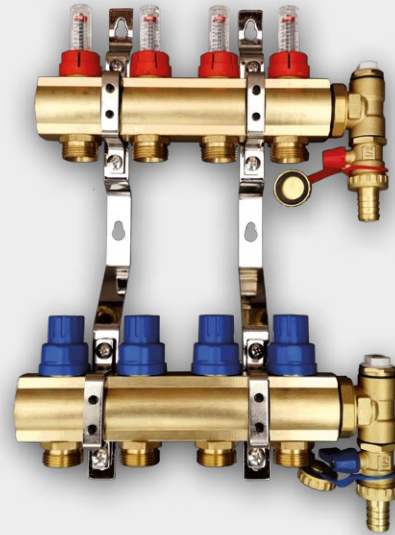
Manifolds for ufh system dimension 1" with flow meters and regulation values				
	size	code	unit	package
58.01	2 circuits	06036102	pcs	1
58.02	3 circuits	06036104	pcs	1
58.03	4 circuits	06036106	pcs	1
58.04	5 circuits	06036108	pcs	1
58.05	6 circuits	06036110	pcs	1
58.06	7 circuits	06036112	pcs	1
58.07	8 circuits	06036114	pcs	1
58.08	9 circuits	06036116	pcs	1
58.09	10 circuits	06036118	pcs	1
58.10	11 circuits	06036120	pcs	1
58.11	12 circuits	06036122	pcs	1

Information

Manifold made of brass, 2-12 circuits
a) in set:
• Supply and return manifold
• air vent and dewatering set for supply and return manifold
• manifold brackets with sound absorbing insulation
• nipples 3/4" euro-cone type for every circuit
• flow meters for every circuit on supply manifold
• regulation valves on return manifold
b) connection with installation by thread 1" (screw connection)
c) threads for actuators M30×1,5

The latest catalogue version is available for download at www.tweetop.com

59 Manifolds for UFH system 1" Premium
with flow meters and regulation valves
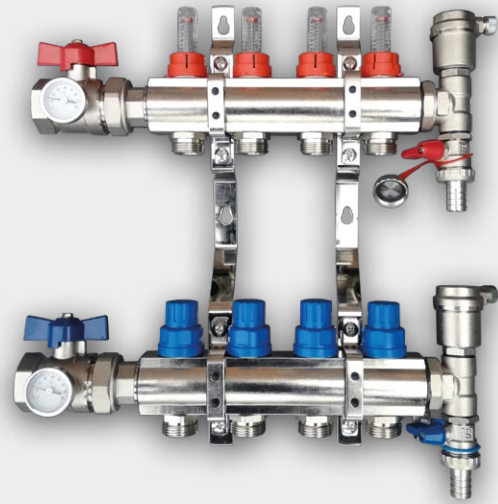
	Manifolds for ufh system dimension 1" with flow meters and regulation values			
	size	code	unit	package
59.01	2 circuits	06036101	pcs	1
59.02	3 circuits	06036103	pcs	1
59.03	4 circuits	06036105	pcs	1
59.04	5 circuits	06036107	pcs	1
59.05	6 circuits	06036109	pcs	1
59.06	7 circuits	06036111	pcs	1
59.07	8 circuits	06036113	pcs	1
59.08	9 circuits	06036115	pcs	1
59.09	10 circuits	06036117	pcs	1
59.10	11 circuits	06036119	pcs	1
59.11	12 circuits	06036121	pcs	1

Information

Manifold made of brass, nickel plated, 2-12 circuits
a) in set:
• Supply and return manifold
• air vent and dewatering set for supply and return manifold
• cut off valves with thermometer for supply and return manifold
• manifold brackets with sound absorbing insulation
• nipples 3/4" euro-cone type for every circuit
• flow meters for every circuit on supply manifold
• regulation valves on return manifold
b) connection with installation by thread 1" (screw connection)
c) threads for actuators M30×1,5

^{60} Water temperature control unit

60.01

60.02

Water temperature control unit				
	size	code	unit	package
60.01	Water temperature control unit with four way valve	06036400	pcs	1
Information	Made of brass, a) in set: • electronic pump DAB EVOSTA 2 65/130 • four way thermostatic valve 3/4" • thermometer • manometer • manual air release valve b) connection with manifold by male 1" thread c) connection with installation by female 3/4" thread d) use only with concealed cabinets e) resistant to glycol at a concentration of 30%			
60.02	Water temperature control unit with three way valve	06036404	pcs	1
Information	Made of brass, a) in set: • electronic pump DAB EVOSTA 2 65/130 • three way thermostatic valve 3/4" • thermometer • manual air release valve b) connection with manifold by male 1" thread c) connection with installation by female 3/4" thread d) use only with concealed cabinets e) resistant to glycol at a concentration of 30%			

The latest catalogue version is available for download at www.tweetop.com

^{61} Manifold cabinets surfaced type

Manifold cabinets surfaced type

	dimensions (width × height × depth)[mm] / indication	code	unit	package
61.01	385 x 580 x 110 / SGN-0, 4 circuits	06036501	pcs	1
61.02	485 x 580 x 110 / SGN-1, 6 circuits	06036503	pcs	1
61.03	615 x 580 x 110 / SGN-2, 8 circuits	06036505	pcs	1
61.04	760 x 580 x 110 / SGN-3, 10 circuits	06036507	pcs	1
61.05	845 x 580 x 110 / SGN-4, 12 circuits	06036509	pcs	1
61.06	1015 x 580 x 110 / SGN-5, 14 circuits	06036511	pcs	1
61.07	1130 x 580 x 110 / SGN-6, 16 circuits	06036513	pcs	1

^{62} Manifold cabinets concealed type

Manifold cabinets concealed type

	dimensions (width × height × depth)[mm] / indication	code	unit	package
62.01	335 x 575-665 x 110-175 / SGP-0, 4 circuits (3 circuits ROP Premium)	06036601	pcs	1
62.02	435 x 575-665 x 110-175 / SGP-1, 6 circuits (5 circuits ROP Premium)	06036603	pcs	1
62.03	565 x 575-665 x 110-175 / SGP-2, 8 obw. (7 circuits ROP Premium)	06036605	pcs	1
62.04	715 x 575-665 x 110-175 / SGP-3, 10 circuits	06036607	pcs	1
62.05	795 x 575-665 x 110-175 / SGP-4, 12 circuits	06036609	pcs	1
62.06	965 x 575-665 x 110-175 / SGP-5, 14 circuits	06036611	pcs	1
62.07	1130 x 575-665 x 110-175 / SGP-6, 16 circuits	06036613	pcs	1

The latest catalogue version is available for download at www.tweetop.com

⁶³ Stapler system clamps
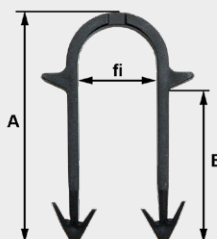
Stapler system clamps				
	size	code	unit	package
63.01	Short A=45mm; B=25mm, fi=18mm	06037101	pack	100
63.02	Long A=59mm; B=38mm, fi=18mm	06037103	pack	100
63.03	Tacker A=41mm; B=22mm, fi=20mm	06037105	pack	300
63.04	Tacker A=60mm; B=38mm, fi=20mm	06037107	pack	300

⁶⁴ System boards and foils
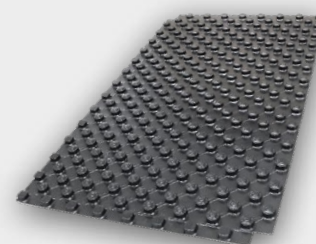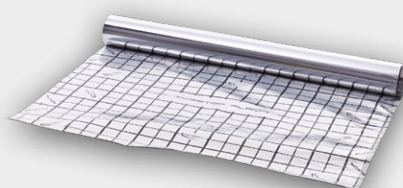
* custom order

System boards and foils				
	size	code	unit	package
64.01	TTFLOOR foil with raster for gluing to a flat styrofoam plate, width = 1050 mm	06037201	m	50
64.02	EPS DUO system board 1450x850x20mm foil thickness1.1mm*	06037204	pcs	1

⁶⁵ Edging strip

Edging strip				
	size	code	unit	package
65.01	8 × 150	06037301	m	25

⁶⁶ Joint profile

Joint profile, dimensions: lower part: L=2000mm, B=35mm, H=20mm; distance between holes 50mm; foam: L=2000mm, B=8mm, H=100mm				
	opis	code	unit	package
66.01	Joint profile	06037402	m	50

⁶⁷ Clamp track
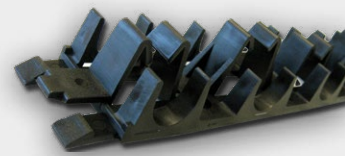
Clamp track, length per piece: 1m				
	size	code	unit	package
67.01	14-20 mm	06037503	m	100
67.02	14-20mm with adhesive tape	06037505	m	100
67.03	25 mm	06037507	m	2

⁶⁸ Clamp for installing pipes on a steel mesh dimension 16mm
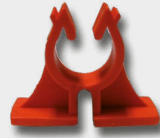
* available until stocks last

Clamp for installing pipes on a steel mesh				
	size	code	unit	package
68.01	Clamp / OBM / 16mm*	06037601	pcs	50

⁶⁹ Renovation system

69.01

69.02

69.03

69.04

* custom order

Renovation system				
	size	code	unit	package
69.01	Styrofoam element for pipes 14-16mm, h=25mm, spacing min 125mm*	06037702	pcs	1
69.02	Styrofoam element for pipes 14-16mm, h=25mm, spacing min 125mm*	06037704	pcs	1
69.03	Styrofoam element for pipes 14-16mm, aluminium layer, spacing min 125mm*	06037708	pcs	1
69.04	Styrofoam element for pipes 14-16mm, aluminium layer, spacing min 125mm*	06037710	pcs	1

The latest catalogue version is available for download at www.tweetop.com

^{70} **Automatics** wired 230V battery powered thermostat made in Poland

70.01   70.02   70.03   70.04   70.05   70.06

* available until stocks last

Automatics - wired system				
	opis	code	unit	package
70.01	Thermostat Tweetop 1000i	06038001	pcs	1
70.02	Thermostat Tweetop 1000ie with floor temperature sensor	06038003	pcs	1
70.03	Thermostat Tweetop 700i*	06038006	pcs	1
70.04	Thermostat Tweetop 700ie with floor temperature sensor*	06038008	pcs	1
70.05	Connection box for 5 thermostats and 20 actuators with pump relay and ability to control the boiler; battery-powered.	06038009	pcs	1
70.06	Additional connection box for 6 thermostats and 24 actuators. Battery-powereded.	06038011	pcs	1

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71 Automatics wired 230V - STANDARD
terminal rail powered thermostats

71.01

71.02

71.03

71.04

71.05

*available until stocks last

Automatics - wired system

	opis	code	unit	package
71.01	Room thermostat 230V, RTR-E 3521*	06038101	pcs	1
71.02	Connection box for 6 thermostats and 14 acctuators*	06038107	pcs	1
71.03	Connection box for 6 thermostats and 14 acctuators with pump relay*	06038109	pcs	1
71.04	Acctuator STT-230, thread M30×1,5 , normal off, hand release	06038111	pcs	1
71.05	Acctuator TS Ultra, thread M30×1,5 , normal off, basic	06038114	pcs	1

72 Automatics radio 230V - OPTIMUM

72.01

72.02

Radio control system 230V

	opis	code	unit	package
72.01	Radio-thermostat standard INSTAT 868-r0; battery-powered (batteries included)	06038201	pcs	1
72.02	Distribution box for 6 channels (max 40 actuators) with pump control module; 230V	06038207	pcs	1

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Accessories

Tweetop also supplies spare parts for fittings, pipe clamps, and other components for finishing installation works. On the following pages, we show a selection of those elements.

73 Pipe bend supports PERT-EVOH

Pipe bend supports for PERT-EVOH pipes

	size	code	unit	package
73.01	10-12 mm	06049210	pcs	25
73.02	14 mm	06049211	pcs	25
73.03	16-18 mm	06049212	pcs	25
73.04	20 mm	06049213	pcs	25

74 Single and twin pipe hooks

*available until stocks last

Single and twin pipe hooks - 16 and 20 mm diameters

	size	code	unit	package
74.01	Single 1 x 48 mm	06049090	pcs	100
74.02	Single 1 x 77 mm	06049003	pcs	100
74.03	Twin 2 x 48 mm	06049005	pcs	100
74.04	Twin 2 x 77 mm	06049007	pcs	100
74.05	Twin 2 x 100 mm	06049009	pcs	100

75 Pipe clips twin type
with assembling elements

*available until stocks last

Pipe clips twin type with assemling elements

	size	code	unit	package
75.01	16*	06049011	pcs	50
75.02	20*	06049013	pcs	50
75.03	25*	06049015	pcs	50

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⁷⁶ Pipe clips single type
with assembling elements

Pipe clips single type with assemling elements				
	size	code	unit	package
76.01	16*	06049017	pcs	100
76.02	20*	06049019	pcs	50
76.03	25*	06049021	pcs	50

⁷⁷ Fitting rings repair element

Fitting rings, repair element				
	size	code	unit	package
77.01	16	06049190	pcs	1
77.02	18	06049192	pcs	1
77.03	20	06049103	pcs	1
77.04	25	06049105	pcs	1
77.05	32	06049107	pcs	1
77.06	40	06049108	pcs	1
77.07	50	06049110	pcs	1
77.08	63	06049112	pcs	1
77.09	75	06049114	pcs	1

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78 O-ring seals *repair element*

O-ring seals, repair element				
	size	code	unit	package
78.01	16	06049109	pcs	1
78.02	20	06049111	pcs	1
78.03	25	06049113	pcs	1
78.04	32	06049115	pcs	1
78.05	40	06049117	pcs	1
78.06	50	06049119	pcs	1
78.07	63	06049121	pcs	1
78.08	75	06049123	pcs	1

79 Other accesories

79.01   79.02   79.03   79.04
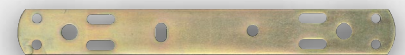
Other accesories				
	size	code	unit	package
79.01	End cap for pressure trial 1/2"	06049201	pcs	25
79.02	Snap ring - dual pipes in dia 16mm	06049292	pcs	50
79.03	Snap ring - single type for pipes in dia 16mm	06049205	pcs	100
79.04	Mounting plate made of metal - spacing 150 mm	06049207	pcs	20

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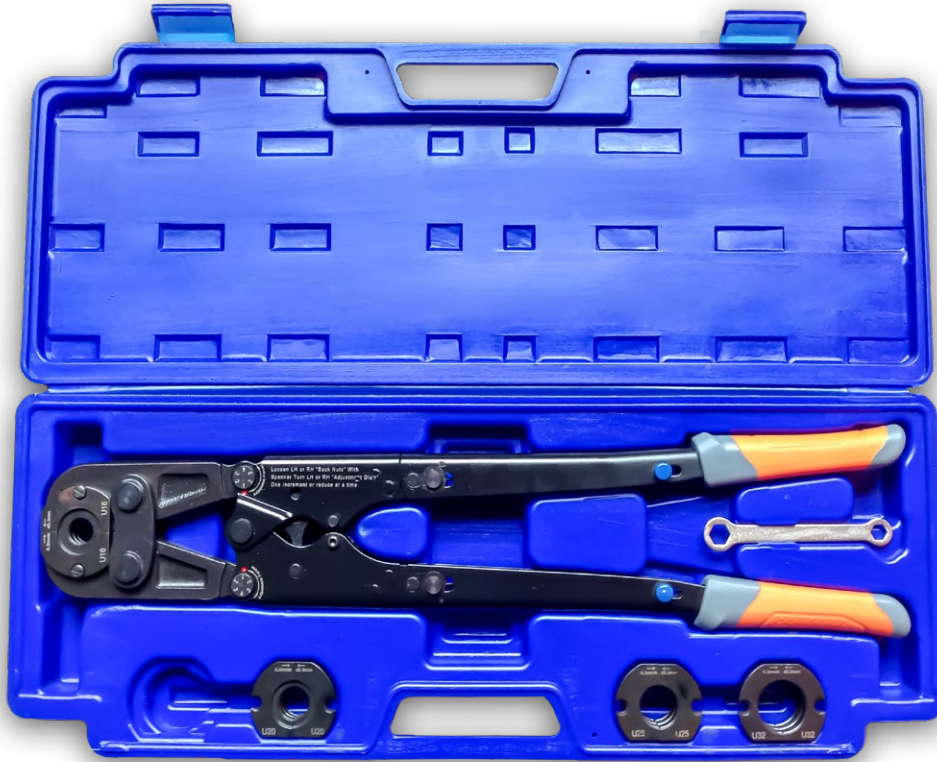
Tools

Tweetop offer instalation tools based on cooperation with leading suppliers of reliable equipment designed for the assembly of Tweetop press and screw fittings. The wide selection of press, cutting, beveling, and bending tools, as well as pipe decoilers and tackers for the UFH system, can be found in this chapter.

80 Electric and battery pressing tools
and pressing jaws

80.01

80.03 - 80.12

80.02

Electric pressing tools 14-75mm and jaws				
	description	code	unit	package
80.01	Electric pressing tool Novopress EFP203 14-75mm	06059301	pcs	1
80.02	Battery pressing tool Rems Aku Press 14-75mm	06059303	pcs	1
80.03	Jaws for electric and battery pressing tool 14mm	06059309	pcs	1
80.04	Jaws for electric and battery pressing tool 16mm	06059311	pcs	1
80.05	Jaws for electric and battery pressing tool 18mm	06059313	pcs	1
80.06	Jaws for electric and battery pressing tool 20mm	06059315	pcs	1
80.07	Jaws for electric and battery pressing tool 25mm	06059317	pcs	1
80.08	Jaws for electric and battery pressing tool 32mm	06059319	pcs	1
80.09	Jaws for electric and battery pressing tool 40mm	06059321	pcs	1
80.10	Jaws for electric and battery pressing tool 50mm	06059323	pcs	1
80.11	Jaws for electric and battery pressing tool 63mm	06059325	pcs	1
80.12	Universal jaw for electric and battery pressing tool 75mm with pliers	06059338	pcs	1

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81 Battery-powered pressing tool
Novopress ACO103 - complete set

Battery-powered pressing tool Novopress ACO 103 16-32mm - complete set				
	size	code	unit	package
81.01	Battery pressing tool Novopress ACO103 with jaws 16, 20, 25, 32 mm - complete set	06959427	pcs	1
81.02	Jaws for Novopress ACO103 16mm	06959429	pcs	1
81.03	Jaws for Novopress ACO103 18mm	06959431	pcs	1
81.04	Jaws for Novopress ACO103 20mm	06959433	pcs	1
81.05	Jaws for Novopress ACO103 25mm	06959435	pcs	1
81.06	Jaws for Novopress ACO103 32mm	06959437	pcs	1
81.07	Jaws for Novopress ACO103 40mm	06959439	pcs	1

82 Manual pressing tool DM1620B
complete set with 16 and 20 mm type U inserts

Manual pressing tool BM1620B 16, 20mm complete set with inserts				
	size	code	unit	package
82.01	Manual pressing tool DM1620B complete set with 16 and 20 mm type U inserts	06959521	pcs	1
82.02	14 mm	06959523	pcs	1
82.03	16 mm	06959525	pcs	1
82.04	18 mm	06959527	pcs	1
82.05	20 mm	06959529	pcs	1

^{83} Manual pressing tool DM1632B
complete set with 16-32 mm type U inserts

Manual pressing tool DM1632B 16-32 mm complete set with inserts

	size	code	unit	package
83.01	Manual pressing tool DM1632B complete set with 16-32 mm type U inserts	06959531	pcs	1
83.02	16 mm	06959533	pcs	1
83.03	18 mm	06959534	pcs	1
83.04	20 mm	06959535	pcs	1
83.05	25 mm	06959537	pcs	1
83.06	32 mm	06959539	pcs	1

^{84} Cutting tools

84.01   84.02   84.03   84.05

Cutting tools

	size	code	unit	package
84.01	Pipe cutter 16-32 mm	06059601	pcs	1
84.02	Rotary pipe cutter 40-75 mm	06059603	pcs	1
84.03	Pipe shears 14-25 mm	06059605	pcs	1
84.04	Pipe shears 14-25 mm with grip (easier chamfering of short pipe sections)	06059606	pcs	1
84.05	Blade for pipe shears 14-25 mm	06059607	pcs	1

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⁸⁵ Bevelling tools

85.01 - 85.02

85.03 - 85.04

85.06 - 85.14 - plus handgrip

85.18 - 85.20

Bevelling tools				
	size	code	unit	package
85.01	Bevelling tool ZYD 16-20-25 mm	06059701	pcs	1
85.02	Bevelling tool ZYD 20-25-32 mm	06059705	pcs	1
85.03	3 size bevelling tool 16-18-20mm Made in Germany	06059704	pcs	1
85.04	3 size bevelling tool 16-20-25mm Made in Germany	06059706	pcs	1
85.05	3 size bevelling tool 16-20-25mm with pipe marking capabilities for Tweetop PUSH fittings	06059707	pcs	1
85.06	Beveller for driller 12 mm	06059794	pcs	1
85.07	Beveller for driller 14 mm	06059796	pcs	1
85.08	Beveller for driller 16 mm	06059797	pcs	1
85.09	Beveller for driller 17 mm	06059798	pcs	1
85.10	Beveller for driller 18 mm	06059799	pcs	1
85.11	Beveller for driller 20 mm	06059709	pcs	1
85.12	Beveller for driller 25 mm	06059711	pcs	1
85.13	Beveller for driller 32 mm	06059713	pcs	1
85.14	Beveller for driller 40 mm	06059715	pcs	1
85.15	Handgrip for beveller for driller 16-40 mm	06059717	pcs	1
85.16	A set of calibrators into the drill with a handle in a suitcase 16-20-25-32mm	06059720	pcs	1
85.17	A set of calibrators into the drill with a handle in a suitcase 16-20-25-32-40mm	06059722	pcs	1
85.18	beveling tool 50	06059728	pcs	1
85.19	beveling tool 63	06059730	pcs	1
85.20	beveling tool 75	06059732	pcs	1

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^{86} Bending tool

Bending tool				
	size	code	unit	package
86.01	Bending tool 16-25 mm	06059801	pcs	1

^{87} Bending spring
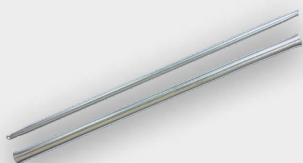
Bending springs				
	size	code	unit	package
87.01	inside 14	06059800	pcs	1
87.02	inside 16	06059803	pcs	1
87.03	inside 18	06059805	pcs	1
87.04	inside 20	06059807	pcs	1
87.05	inside 25	06059809	pcs	1
87.06	inside 32	06059811	pcs	1
87.07	outside 14	06059812	pcs	1
87.08	outside 16	06059813	pcs	1
87.09	outside 18	06059815	pcs	1
87.10	outside 20	06059817	pcs	1
87.11	outside 25	06059819	pcs	1

The latest catalogue version is available for download at www.tweetop.com

88 Tacker

Tacker			
	description	code	unit	package
88.01	Tacker	06059901	pcs	1

89 Pipe decoiler


Pipe decoiler			
	size	code	unit	package
89.01	Pipe decoiler • height 57cm • max. pipe coil dimensions 100 cm (diameter) • min. pipe coil height 24cm	06059902	pcs	1

The latest catalogue version is available for download at www.tweetop.com

EcoVent Recu recuperators

Tweetop **EcoVent** Recu recuperators are modern, energy-efficient ventilation units dedicated to air exchange with simultaneous heat recovery. Thanks to the control of the air circulation process inside the building and the ability to adjust its intensity, Tweetop recuperators provide a continuous supply of fresh air while removing used air and moisture from the rooms.
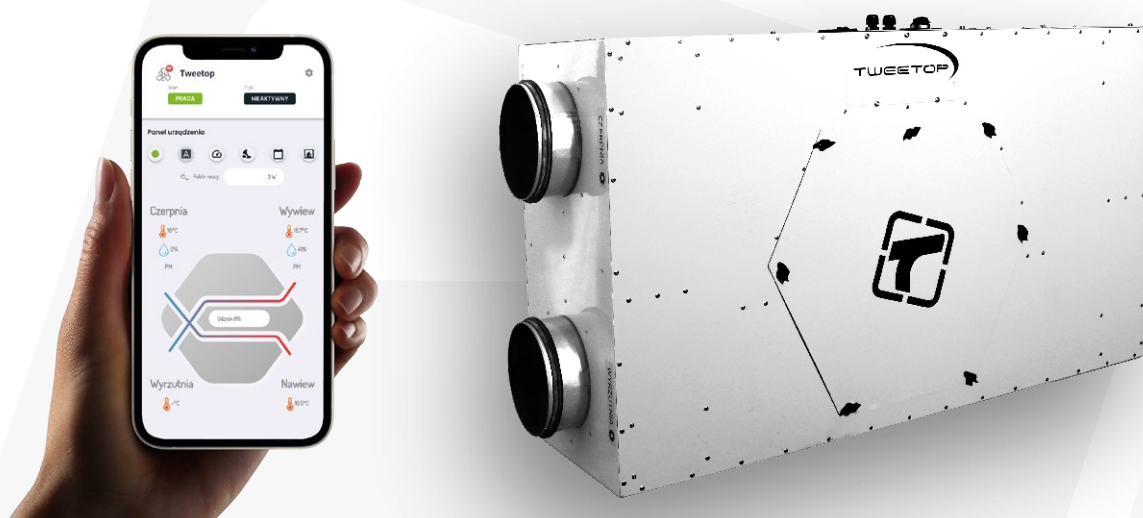
Products from the **EcoVent** Recu series are equipped with the following features*:

- innovative design
- compact dimensions,
- lightweight,
- effective internal by-pass,
- easily replaceable filters,
- easily removable: heat exchanger and fans,
- possibility to change the location of the supply and exhaust stubs,
- complete range of capacity 350, 450, and 600 m3/h,
- efficiency >85%, maximum 95%,
- aesthetic, multifunctional housing equipped with universal handles that allow mounting in different planes,
- high-efficiency counterflow heat exchangers manufactured by Recair Holland,
- reliable German Ziehl - Abegg fans,
- intuitive, aesthetic control system based on humidity measurement, allowing full adaptation of the air exchange in the house to own needs, optionally equipped with an Internet module,
- easy-to-read touch controller.

In set with the device:

- pre-heater to protect the heat exchanger from the possibility of freezing,
- the controller,
- handles that allow for assembly in various planes,
- power cord.

*Specifications of the devices are subject to change. Please refer to the newest version of this catalogue available at www.tweetop.com for the latest information.

^{90}Recuperation devices and accessories
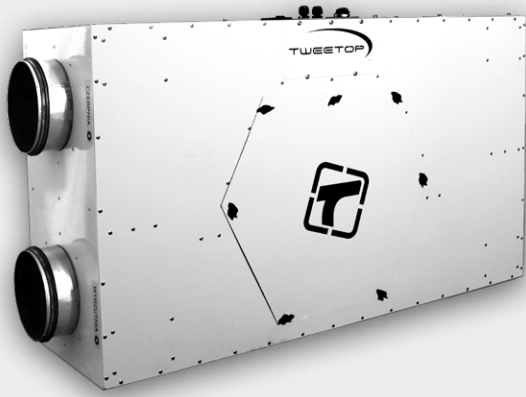
90.01 - 90.06

90.07

Recuperation devices and accessories				
	description	code	unit	package
90.01	TT 350 recuperator with heater and thermostat	15130401	pcs	1
90.02	TT 450 recuperator with heater and thermostat	15130403	pcs	1
90.03	TT 600 recuperator with heater and thermostat	15130405	pcs	1
90.04	TT 350 ENTALP recuperator with heater and thermostat*	15130402	pcs	1
90.05	TT 450 ENTALP recuperator with heater and thermostat*	15130404	pcs	1
90.06	TT 600 ENTALP recuperator with heater and thermostat*	15130406	pcs	1
90.07	Internet module with a calendar	15140901	pcs	1
90.08	Smart touch thermostat	15140903	pcs	1
90.09	Enthalpy exchanger TT350	15140601	pcs	1
90.10	Enthalpy exchanger TT450	15140603	pcs	1
90.11	Enthalpy exchanger TT600	15140605	pcs	1
90.12	Secondary heater TT 350	15140607	pcs	1
90.13	Secondary heater TT 450	15140609	pcs	1
90.14	Secondary heater TT 600	15140611	pcs	1

*Extended delivery time, please ask for further details.

The latest catalogue version is available for download at www.tweetop.com

91 Recuperation maintenance supplies

Recuperation maintenance supplies				
	description	code	unit	package
91.01	M5 filters TT350	15140801	pcs	1
91.02	M5 filters TT450	15140803	pcs	1
91.03	M5 filters TT600	15140805	pcs	1
91.04	G4 filters TT350	15140807	pcs	1
91.05	G4 filters TT450	15140809	pcs	1
91.06	G4 filters TT600	15140811	pcs	1
91.07	F7 filters TT350	15140813	pcs	1
91.08	F7 filters TT450	15140815	pcs	1
91.09	F7 filters TT600	15140817	pcs	1
91.10	F7 activated carbon filters TT350	15140819	pcs	1
91.11	F7 activated carbon filters TT450	15140821	pcs	1
91.12	F7 activated carbon filters TT600	15140823	pcs	1
91.13	M5 PLIS filters TT350	15140825	pcs	1
91.14	M5 PLIS filters TT450	15140827	pcs	1
91.15	M5 PLIS filters TT600	15140829	pcs	1

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EcoHeat Mono 2 heat pumps
## comprehensive home heating solution
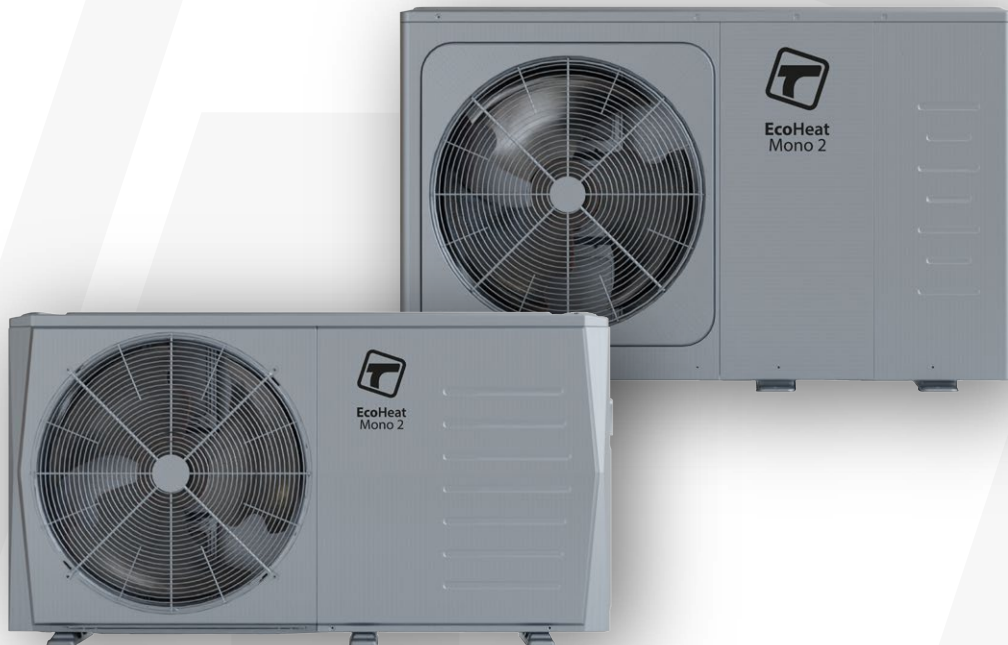
Tweetop EcoHeat Mono 2 heat pump series is a modern, economical, and efficient solution for heating and domestic hot water preparation. These Monobloc heat pumps allow for smooth regulation of heating capacity thanks to DC INVERTER technology, can operate in both heating and cooling functions, and have a wide operating range.

⁹²EcoHeat Mono 2 heat pumps
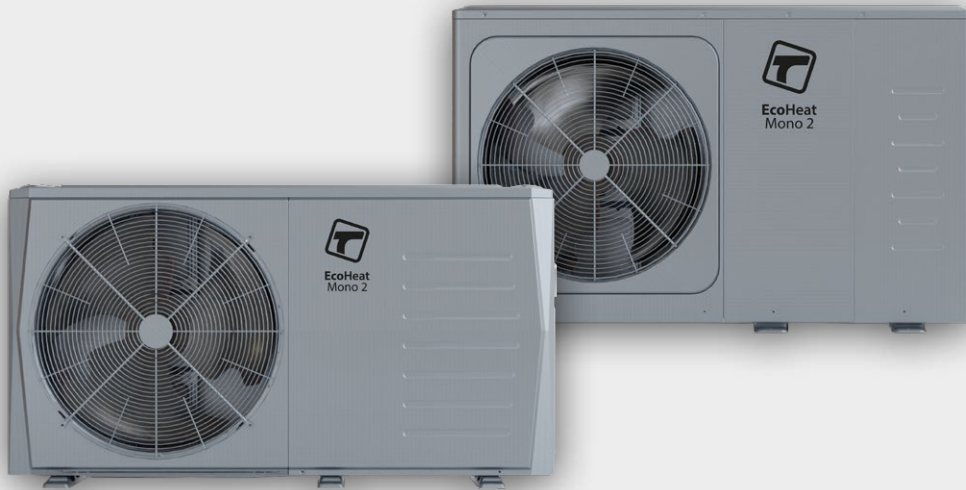
| EcoHeat Mono 2 heat pumps						
	description	energy efficiency class	heating power	code	unit	package
92.01	EcoHeat Mono 2 P06 heat pump	A+++/A++	6,2 kW	9160201	pcs	1
92.02	EcoHeat Mono 2 P08T heat pump	A+++/A++	8,3 kW	9160203	pcs	1
92.03	EcoHeat Mono 2 P10T heat pump	A+++/A++	10,0 kW	9160205	pcs	1
92.04	EcoHeat Mono 2 P12T heat pump	A+++/A++	12,1 kW	9160207	pcs	1
92.05	EcoHeat Mono 2 P14T heat pump	A+++/A++	14,5 kW	9160209	pcs	1
92.06	EcoHeat Mono 2 P16T heat pump	A+++/A++	16,0 kW	9160211	pcs	1
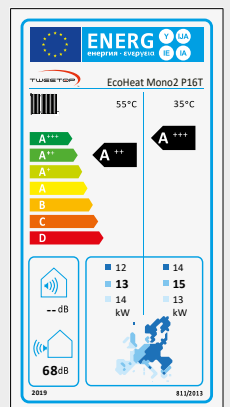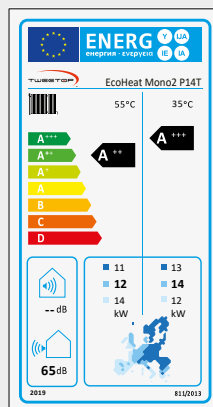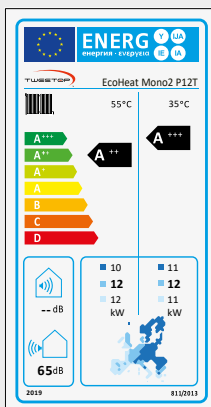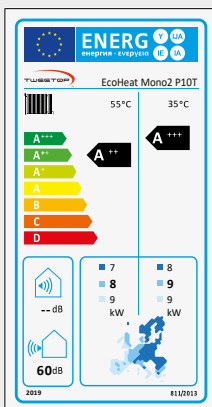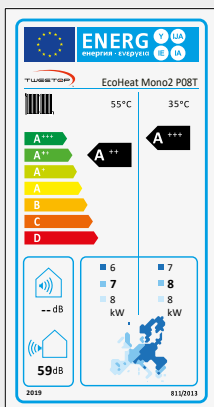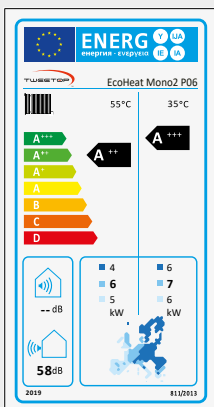
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Pipes joining – step by step

Pressed connections

1. Cut the pipe to the preferred length with the pipe cutter or other recommended tool, perpendicular to the pipe axis.

2. Chamfer the pipe edges with the beveling tool.

3. Push the pipe into the fitting between the stainless steel ring and body of fitting until the white face of the pipe appears in all the inspection openings of the stainless steel ring.

4. Press the joint with the manual or electric pressing tool, equipped with U type clamping jaws.
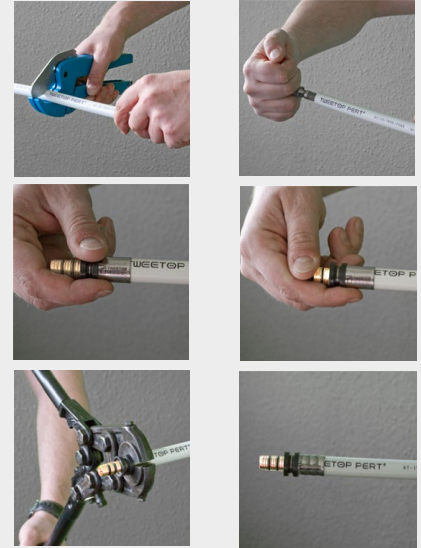
Screw connections (turned joints)

1. Cut the pipe to the preferred length with the pipe cutter or other recommended tool, perpendicular to the pipe axis.

2. Chamfer the pipe edges with the bevelling tool.

3. Put the nut onto the pipe and then put the cut ring.

4. Push the fitting body into the pipe (up to the end).

5. Tighten the fitting with the nut by using a wrench. While turning the nut, the pipe should not rotate.Tighten again after 15-20 minutes.
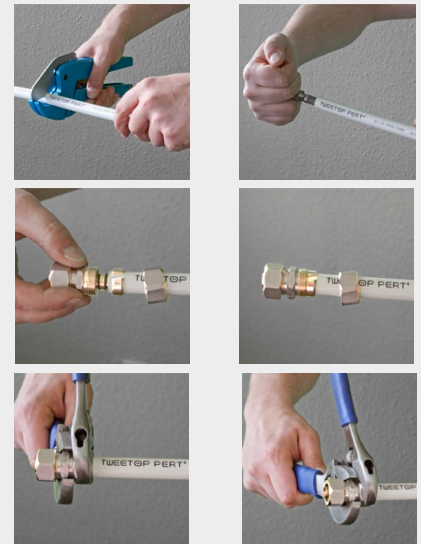
Remarks:

- Pressed joints (as the non-separable ones) can be used for connecting pipes in wall chases and floor screed.
- To make pressed connections, use only U profile jaws.
- For manual pressing tools, calibrate the device before starting the work so that when you try to close the pressing tool without a fitting, the jaws close at 100%.
- Manual pressing tools are tested for 5000 pressings.
- Turned joints (screw connections) may be used only in visible locations.
- Installation work connected with laying pipes must be carried out only at temperatures above: 0°C, whereas in case of making connections the lowest allowable temperature is 5°C. Before assembling it is strongly recommended to condition pipes and fittings for a period of min. 4h in temp. 14°C.
- Pipes may only be cut perpendicular to their axis with the system pipe cutters so that the end of the pipe lies evenly on the fitting around its entire circumference.
- The pipe's end should be chamfered with the use of a beveling tool before making the connection.
- While making connections with usage of transition couplings (press, screw or push type) equipped with threads with threaded elements of valves, other devices or threads of other couplings, it is necessary to remember that the threads of both elements must be compatible with each other and meet standards referred to in point 7.1.4 of EN ISO 21003 part 3 - fittings. In the event of a discrepancy, apply transition adapters, allowing the transition from one type of thread to another.
- **It is forbidden to bend the pipes at a distance of fewer than 10 times their external diameter from the fitting due to the necessity to eliminate excessive bending force load on the fittings.**

Tweetop Smart PUSH assembly instructions
Fittings for homogeneous and multilayer plastic pipes

Connection of pipes with fittings should be made in following order:

1. Cutting - cut the pipe to the desired length perpendicular to the pipe axis:
- Use only circular cutters.
- Do not use saws for pipes cutting.
- No chips should remain on the pipe's end.

2. Calibrating - bevel the pipe, it is recommended to use the system bevelling tools.

Before calibration, mark the pipe with a marker, setting the depth of inserting the pipe into the fitting, according to the following recommendation:
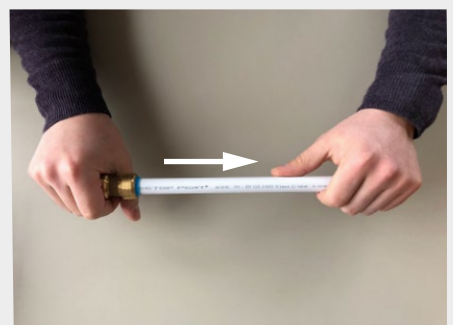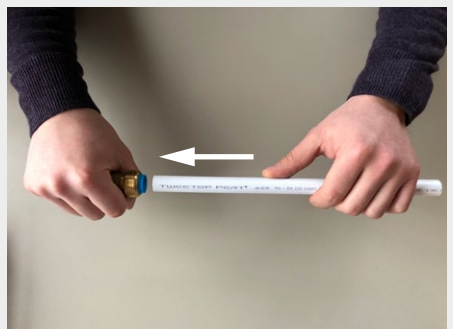

Depth of inserting the pipe into the fitting [mm]		
Homogeneous and multilayer pipes		
diameter [mm]		
d16	d20	d25
19	22	27

The pipe ending must be uniformly chamfered and free from burrs.

3. Connecting - push the pipe into the fitting until it reaches the mark left on the pipe wall by the system beveling tool or made with a marker. Remember to insert a chamfered pipe into the tip of the pre-assembled stiffening sleeve. The sleeve should be completely inserted into the pipe. The sleeve increases the strength of the installed pipe and reduces the possibility of leaks at transverse loads.

Make sure that the mark on the pipe is visible at the edge of the fitting and lightly but firmly pull the pipe in the opposite direction, in order to finally block the pipe inside the fitting's socket.

Please read the remarks on the next page.

Tweetop Smart PUSH Assembly instructions Fiitings for copper pipes

Connection of pipes with fittings should be made in the following order:

1. Cutting - cut the pipe to the desired length perpendicular to the pipe axis:

- Use only circular cutters.
- Do not use saws for pipes cutting.
- No chips should remain on the pipe's end.

2. Deburring and calibration - copper pipes should be cleaned from internal and external burrs after cutting. To remove any irregularities left, use typical manual or mechanical deburring machines. Soft pipes stored in coils have naturally deformed cross-section. During cutting, pipes stored in straight sections are also deformed. To restore the proper shape and dimension of the pipe, use the correct mandrel or calibration sleeve with a diameter matching the diameter of the pipe. After calibration, mark the pipe with a marker, setting the depth of inserting the pipe into the fitting, according to the following recommendation:

Depth of inserting the pipe into the fitting for pipe d15 [mm] = 24

3. Connecting - push the pipe into the fitting until it reaches the mark, made earlier on the pipe wall.

Make sure that the mark on the pipe is visible at the edge of the fitting and lightly but firmly pull the pipe in the opposite direction, to finally block the pipe inside the fitting's socket.

Remarks:
- Smart PUSH connections can be disconnected at any time using a special tool available within the Tweetop offer. The disconnecting procedure consists of pressing the fastening ring with the disconnecting device (the device provides a large pressure area on the ring) against the fitting body, thereby unlocking the joints. As a result, the connector body can be reused. It is important to visually inspect the o-ring inside the fitting (the deformed gasket should be replaced with a new one). At the same time, it should be remembered that for safety, after disassembly of the fitting, the pipe's end that was locked within the connector should be cut and the deburring and calibration operations should be carried out again.
- Installation work connected with laying pipes must be carried out only at temperatures above: 0°C, whereas in case of making connections the lowest allowable temperature is 5°C. Before assembling it is strongly recommended to condition pipes and fittings for a period of min. 4h in temp. 14°C.
- It is prohibited to put fingers into the fitting – the toothed ring can cause injury.
- Smart PUSH fittings may only be installed in visible places. Their use in floor screed and wall grooves is prohibited.
- The closest support location in relation to the fitting's end is 4cm.
- While passing through walls or ceilings, locate the joint socket at least 4 cm from the edge of the protective pipe's end.
- As fixed points when compensating thermal elongations for installations using Smart PUSH couplings, cooperating with homogeneous PERT pipes or multi-layer pipes, use well-twisted steel holders with a rubber spacer, subject to the distance from the coupler socket provided above.
- The pressure test plugs for the Smart PUSH system may only be used once.
- Smart PUSH fittings can be used with Tweetop EVOH-PERT pipes in combination with pressed fittings without restrictions.
- When using Smart PUSH fittings for Tweetop PERT-Al-PERT pipes, press fittings should not be used at the same time in installations of this type. The transition between the sections with Smart PUSH and pressed fittings should be made using transition couplings equipped with threads.
- While making connections with usage of transition couplings (press, screw or push type) equipped with threads with threaded elements of valves, other devices or threads of other couplings, it is necessary to remember that the threads of both elements must be compatible with each other and meet standards referred to in point 7.1.4 of EN ISO 21003 part 3 - fittings. In the event of a discrepancy, apply transition adapters, allowing the transition from one type of thread to another.
- **It is forbidden to bend the pipes at a distance of fewer than 10 times their external diameter from the fitting due to the necessity to eliminate excessive bending force load on the fittings.**
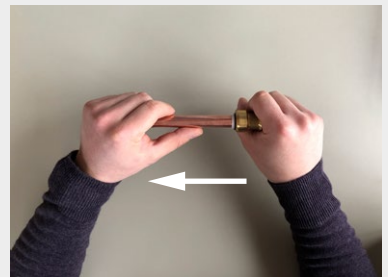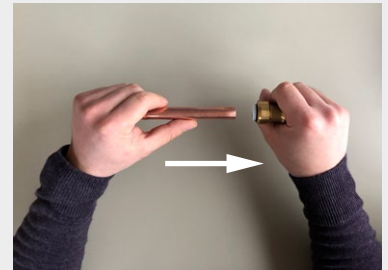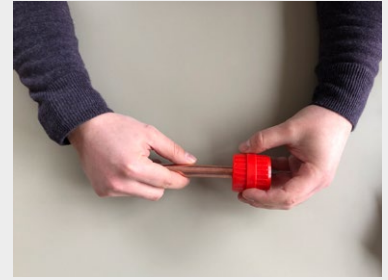
Pressure test / Leak test

Heating installations

Test pressure
maximum working pressure + 2 bar

Constant water temperature
water temperature change of 10°C causes pressure change of 0.5 – 1 bar.

Water installations

Test pressure
1.5 x value of maximum working pressure

Constant water temperature
water temperature change of 10 K causes pressure change of 0.5 – 1 bar

Tests approval conditions

Test type	Duration [min]	Test approval conditions
Preliminary stage 1	30	Pressure decrease not more than 0,6 bar, no condensation or leaks
Pause	10	
Preliminary stage 2	30	Pressure decrease not more than 0,6 bar, no condensation or leaks
Main	120	Pressure decrease not more than 0,2 bar, no condensation or leaks

The latest catalogue version is available for download at www.tweetop.com

TWEETOP™

WRAS APPROVED PRODUCT

This certifies that

TWEETOP SP Z.O.O

has had the undermentioned product examined, tested and found, when correctly installed, to comply with the requirements of the United Kingdom Water Supply (Water Fittings) Regulations and Scottish Water Byelaws.

'TWEETOP SYSTEM' CONSISTING OF BRASS BODIED NICKEL PLATED (EXTERNAL PLATING) COMPRESSION OR PRESS FOR USE WITH 'TWEETOP MULTILAYER PIPE' PERT/AL/PERT (FOR FULL LIST OF MODELS PLEASE REFER TO THE WRAS APPROVAL LETTER)

The certificate by itself is not evidence of a valid WRAS Approval. Confirmation of the current status of an approval must be obtained from the WRAS Directory (www.wras.co.uk/directory)

The product so mentioned will be valid until the end of:

December 2023

1812383

Certificate No.

J Furnival
Secretary

Chairman, Product Assessment Group

ZERTIFIKAT — SKZ

Certificate

SKZ - TeConA GmbH awards the following company

TweeTop Sp. z.o.o.
ul. Ludowa 24 C
71 700 SZCZECIN
POLAND

Production plant: TweeTop Sp. z.o.o., PL-71 700 SZCZECIN

the right to use the SKZ - testing and inspection mark

GEPRÜFT SKZ ÜBERWACHT

A 606

for the following plastic products

Heating pipes
Multilayer pipes made of PE-RT type II/Al-ow/PE-RT type II

Trade name: TWEETOP PERT®, KELLER - PEX, SOLTER PEX

SKZ *specification for tests and inspection* **HR 3.12**

Users of the SKZ - mark are obliged to observe the required regulations for the production and testing of these products.

Date of initial certification: 11 July 2012
Date of expiry: 28 April 2018

Würzburg, 29 April 2013

i. V.

Certification body

The original language of this certificate is German. In case of doubt, the German version is obligatory.

TWEETOP™

Products

Internal water transmission and heating systems

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