



2024

PRODUCTS CATALOGUE

EFFICIENT ENERGY MANAGEMENT

ABOUT US

The KHT Group has been processing various metals for 35 years. We currently employ 150 people in production and more than 50 in office positions. Our facility includes a 19,000 m² production hall and a 10,000 m² warehouse. Thanks to the automation of manufacturing processes, we deliver large quantities of high-quality products. Specialised and innovative machinery allows us to meet the highest expectations of our customers.

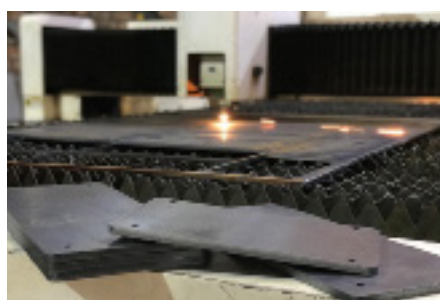
We also have a large and modern enamelling plant. Our skilled and experienced staff, equipped with automated systems, has enormous design and production capabilities at its disposal.

Our engineering and technology department is staffed by proven experts. They operate state-of-the-art engineering

design software, which enables them to carry out their tasks in a professional and quick manner - from concept through design and production to customer acceptance.

Production and logistics/warehousing processes are fully digitalised. KHT Group is a certified supplier to the largest companies in the inSteellation industry. We deliver our products to destinations in Europe and Asia.

In order to continuously improve products, we have set up our own research and development department. The innovative solutions of our engineers have received numerous awards and patents on four continents. Continuous process and organisational improvement ensures our position as an industry leader.



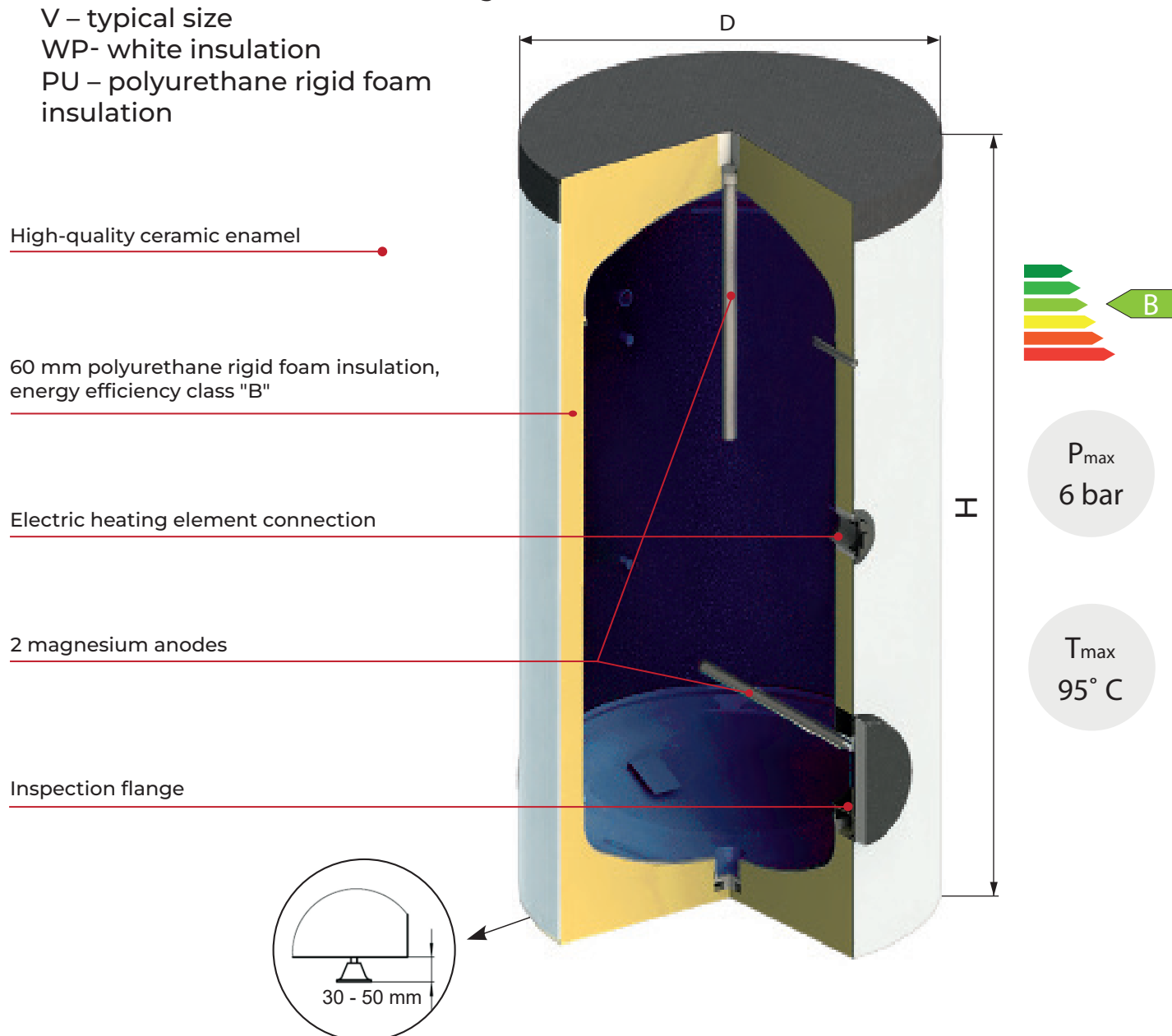
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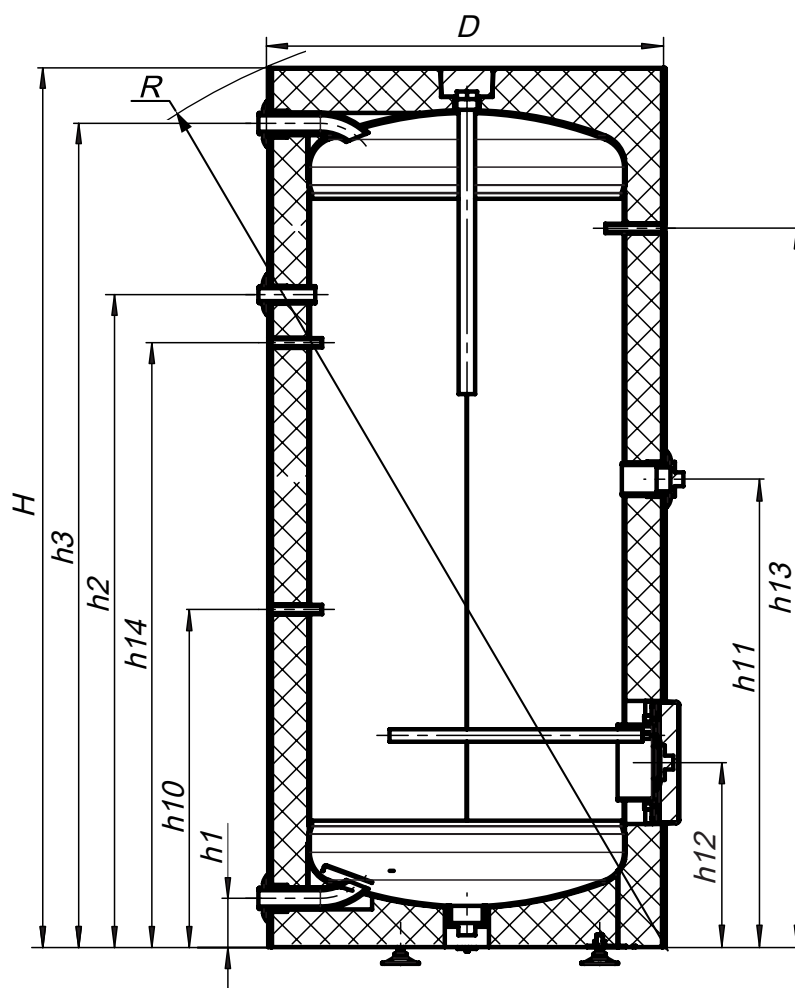
The BT series water heaters are manufactured in volumes from 200 to 2,000 litres and are designed to heat and store water for domestic as well as commercial use. The BT series water heaters are made of black phosphated steel and coated with high-quality ceramic enamel, which is suitable for drinking water. The water heaters are equipped with an inspection opening in the flange with a diameter of 120 mm. The heat exchangers are made of carbon steel. Maximum operating pressure 0.6 MPa, temperature 95°C.

Designation PREMIUM KHT BT-B-XY-V-WP-PU

BT – series
 B – energy class
 X – number of upper heat exchangers
 Y – number of lower heat exchangers
 V – typical size
 WP- white insulation
 PU – polyurethane rigid foam insulation

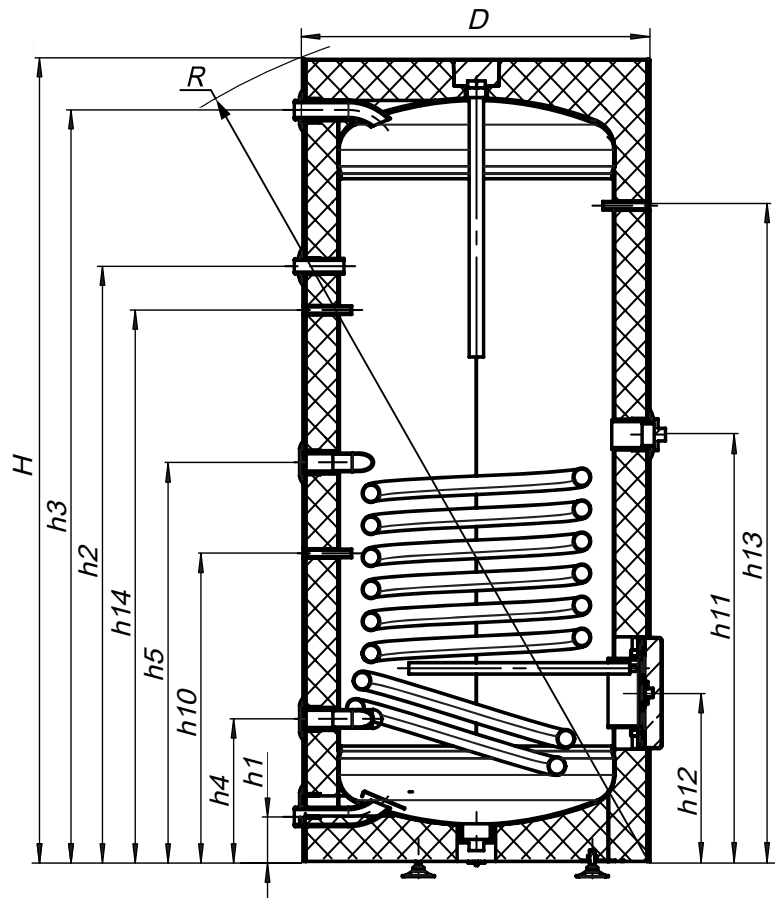


Premium KHT BT-B-00
SERIES Water heaters without coils



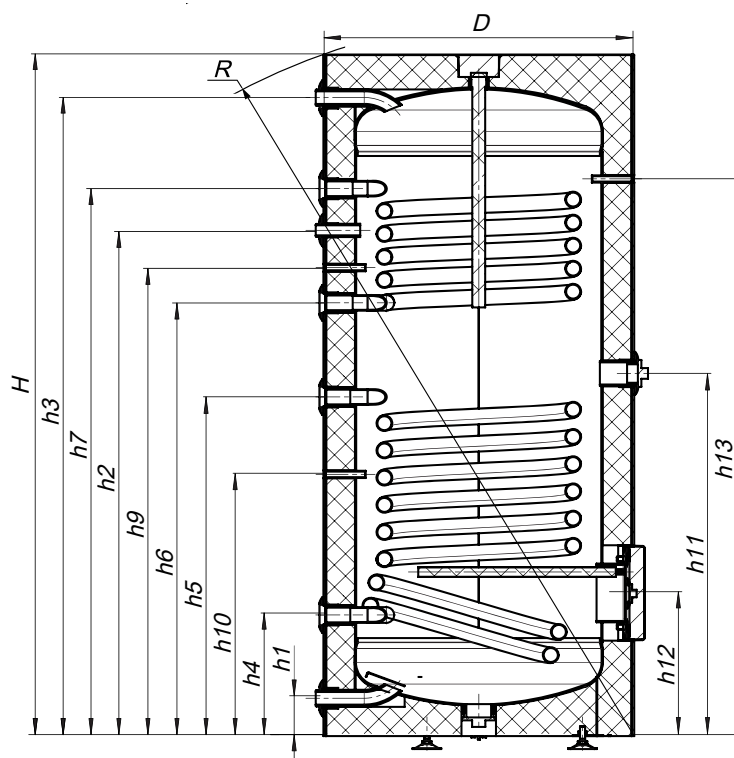
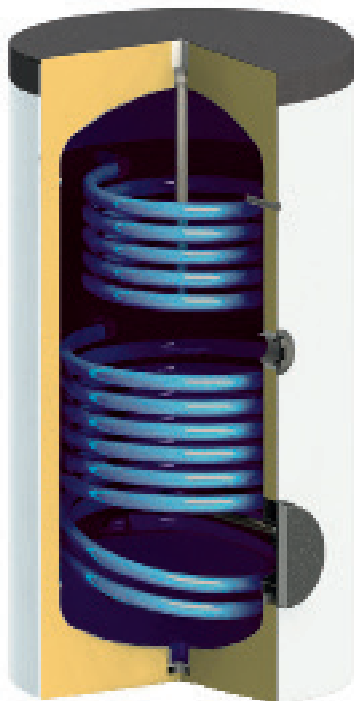
Technical data	Unit	Nominal volume			
		200	300	400	500
Cold water inlet h1	" / mm	1/ 77	1/ 83	1/ 83	1/ 92
Recirculation port h2	" / mm	3/4/ 1032	3/4/ 1035	3/4/ 1268	3/4/ 1277
Domestic hot water outlet h3	" / mm	1/ 1303	1/ 1323	1/ 1573	1/ 1582
Bushing tube h10	mm	534	608	648	657
Electric heating element port h11	" / mm	6/4/ 740	6/4/ 848	6/4/ 905	6/4/ 914
Inspection flange/ heating element h12	" / mm	6/4/ 292	6/4/ 303	6/4/ 303	6/4/ 312
Thermometer bushing h13	mm	1137	1148	1398	1407
Sensor bushing h14	mm	956	980	1168	1177
Max. tank operating pressure	MPa	0,6			
Height H	mm	1391	1416	1666	1683
Diameter D	mm	620	734	737	784
Volume V	l	233	333	406	472
Weight	kg	60	73	85	93
Tilt diagonal R	mm	1526	1595	1821	1856

Premium KHT BT-B-01 SERIES Water heaters WITH 1 coil



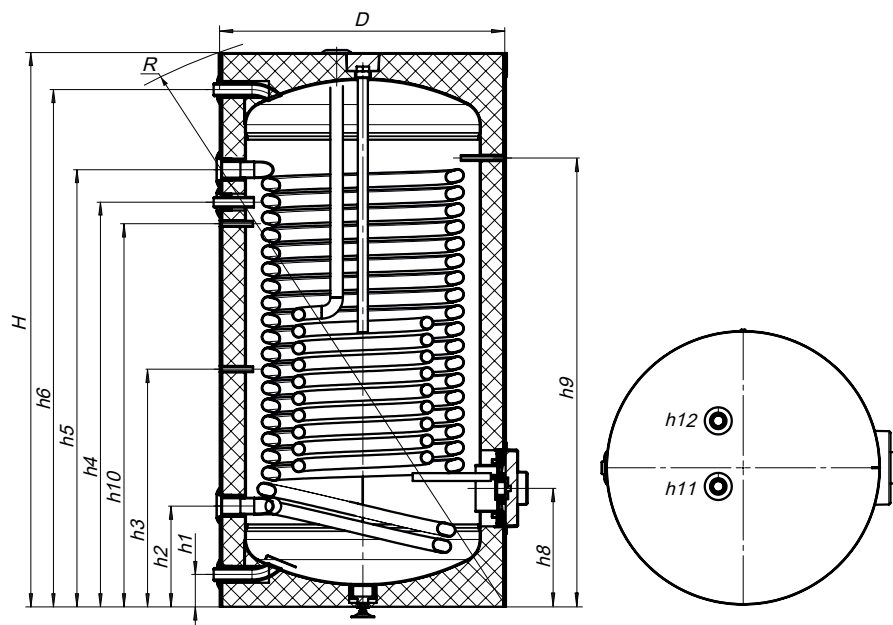
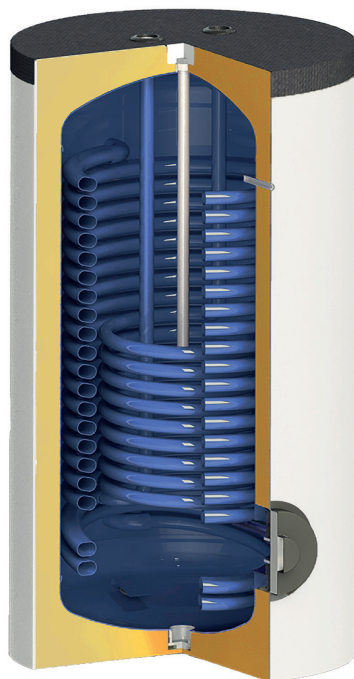
Technical data	Unit	Nominal volume			
		200	300	400	500
Cold water inlet h1	" /mm	1/ 77	1/ 83	1/ 83	1/ 92
Recirculation port h2	" /mm	3/4/ 1032	3/4/ 1035	3/4/ 1268	3/4/ 1277
Domestic hot water outlet h3	" /mm	1/ 1303	1/ 1323	1/ 1573	1/ 1582
Lower coil return h4	" /mm	1/ 247	1/ 258	5/4/ 258	5/4/ 267
Lower coil supply h5	" /mm	1/ 693	1/ 778	5/4/ 843	5/4/ 852
Bushing tube h10	mm	534	608	648	657
Electric heating element port h11	" /mm	6/4/ 740	6/4/ 848	6/4/ 905	6/4/ 914
Inspection flange/ heating element h12	" / mm	6/4/ 292	6/4/ 303	6/4/ 303	6/4/ 312
Thermometer bushing h13	mm	1137	1148	1398	1407
Sensor bushing h14	mm	956	980	1168	1177
Lower heat exchanger volume	l	7,2	11,4	17,6	21,9
Lower heat exchanger surface area	m ²	1,14	1,8	2,0	2,4
Lower heat exchanger output (70/10/45°C)	kW	27	42	46	56
Heat exchanger operating pressure	MPa	0,6			
Max. tank operating pressure	MPa	0,6			
Height H	mm	1391	1416	1666	1683
Diameter D	mm	620	734	737	784
Volume V	l	224	319	385	447
Weight	kg	75	90	110	123
Tilt diagonal R	mm	1526	1597	1821	1856

Premium KHT BT-B-11 SERIES Water heaters with 2 coils



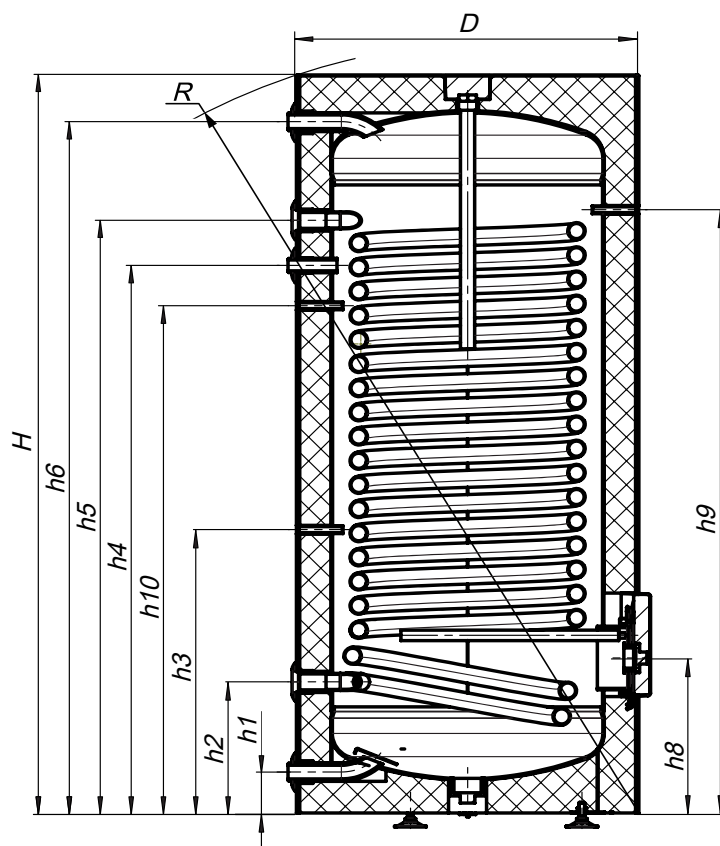
Technical data	Unit	Nominal volume			
		200	300	400	500
Cold water inlet h1	" / mm	1/ 77	1/ 83	1/ 83	1/ 92
Recirculation port h2	" / mm	3/4/ 1032	3/4/ 1035	3/4/ 1268	3/4/ 1277
Domestic hot water outlet h3	" / mm	1/ 1303	1/ 1323	1/ 1573	1/ 1582
Lower coil return h4	" / mm	1/ 247	1/ 258	5/4/ 258	5/4/ 267
Lower coil supply h5	" / mm	1/ 693	1/ 778	5/4/ 843	5/4/ 852
Upper coil return h6	" / mm	1/ 884	1/ 918	1/ 968	1/ 977
Upper coil supply h7	" / mm	1/ 1117	1/ 1118	1/ 1368	1/ 1377
Bushing tube h9	mm	956	980	1168	1177
Bushing tube h10	mm	534	608	648	657
Electric heating element port h11	" / mm	6/4/ 740	6/4/ 848	6/4/ 905	6/4/ 914
Inspection flange/ heating element h12	" / mm	6/4/ 292	6/4/ 303	6/4/ 303	6/4/ 312
Thermometer bushing h13	mm	1137	1148	1398	1407
Lower heat exchanger volume	l	7,2	11,4	17,9	21,9
Lower heat exchanger surface area	m ²	1,14	1,8	2,0	2,4
Lower heat exchanger output (70/10/45°C)	kW	27	42	46	56
Upper heat exchanger volume	l	3,8	3,8	7,6	7,6
Upper heat exchanger surface area	m ²	0,6	0,6	1,2	1,2
Upper heat exchanger output (70/10/45°C)	kW	14	14	28	28
Heat exchanger operating pressure	MPa	0,6			
Max. tank operating pressure	MPa	0,6			
Height H	mm	1391	1416	1666	1683
Diameter D	mm	620	734	737	784
Volume V	l	219	314	376	437
Weight	kg	83	106	127	140
Tilt diagonal R	mm	1526	1595	1821	1856

Premium KHT BTM-B-11-300-WP-PU SERIES for heat pumps with 2 coils



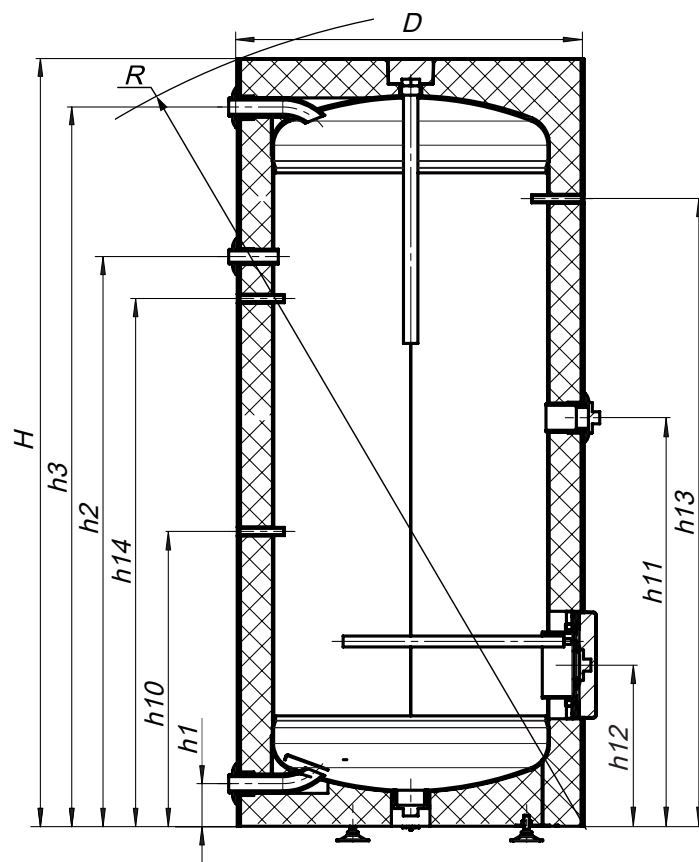
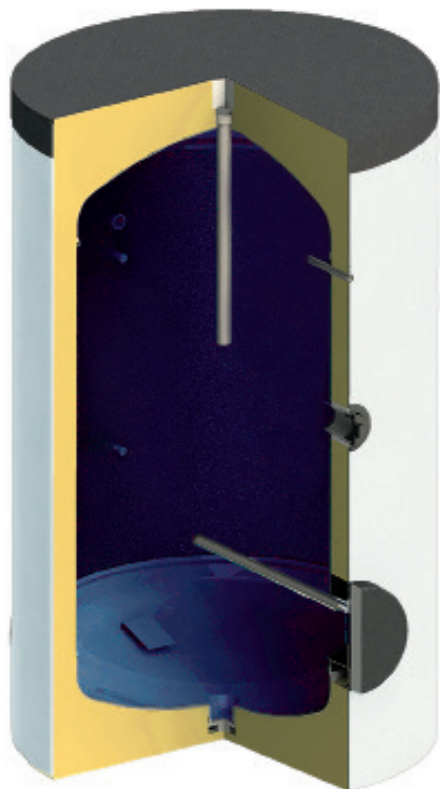
Technical data	Unit	Premium KHT BTM-B-11-300-WP-PU
Cold water inlet h1	" / mm	1 / 83
External coil return h2	" / mm	5/4 / 258
Bushing tube h3	mm	608
Recirculation port h4	" / mm	3/4 / 1035
External coil supply h5	" / mm	5/4 / 1118
Domestic hot water outlet h6	" / mm	1 / 1323
Inspection flange/ heating element h8	" / mm	6/4 / 303
Bushing tube h9	mm	1148
Bushing tube h10	mm	980
Internal coil return h11	" / mm	1 / 1424
Internal coil supply h12	" / mm	1 / 1424
Internal/external coil volume	l	7,2 / 30,0
Internal/external coil surface area	m ²	1,14/ 4,0
Internal/external heat exchanger output (70/10/45 °C)	kW	26/ 92
Heat exchanger operating pressure	MPa	0,6
Max. tank operating pressure	MPa	0,6
Height H	mm	1424
Diameter D	mm	737
Volume V	l	284
Weight	kg	134
Tilt diagonal R	mm	1595

Premium KHT BTM-B SERIES Water heaters for heat pumps with 1 coil



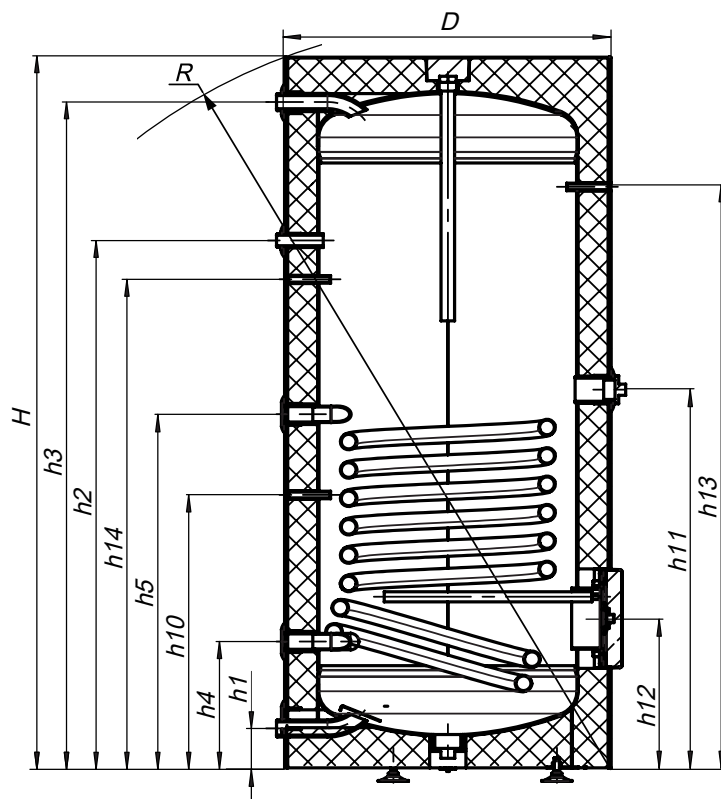
Technical data	Unit	Nominal volume			
		200	300	400	500
Cold water inlet h1	" / mm	1 / 77	1 / 83	1 / 83	1 / 92
Coil return h2	" / mm	1 / 247	5/4 / 258	5/4 / 258	5/4 / 267
Bushing tube h3	mm	534	608	648	657
Recirculation port h4	" / mm	3/4 / 1032	3/4 / 1035	3/4 / 1268	3/4 / 1277
Coil supply h5	" / mm	1 / 1117	5/4 / 1118	5/4 / 1368	5/4 / 1377
Domestic hot water outlet h6	" / mm	1 / 1303	1 / 1323	1 / 1573	1 / 1582
Inspection flange/ heating element h8	" / mm	6/4 / 292	6/4 / 303	6/4 / 303	6/4 / 312
Bushing tube h9	mm	1137	1148	1398	1407
Bushing tube h10	mm	956	980	1168	1177
Coil volume	l	16,5	35,8	46,6	53,8
Coil surface	m ²	2,6	4,0	5,15	5,94
Heat exchanger output (70/10/45 °C)	kW	60	92	119	137
Heat exchanger operating pressure	MPa	0,6			
Max. tank operating pressure	MPa	0,6			
Height H	mm	1391	1416	1666	1683
Diameter D	mm	620	734	737	784
Volume V	l	212	291	352	410
Weight	kg	95	118	143	159
Tilt diagonal R	mm	1526	1595	1821	1856

KHT BT-C-00 WP-PU SERIES Water heaters without coils



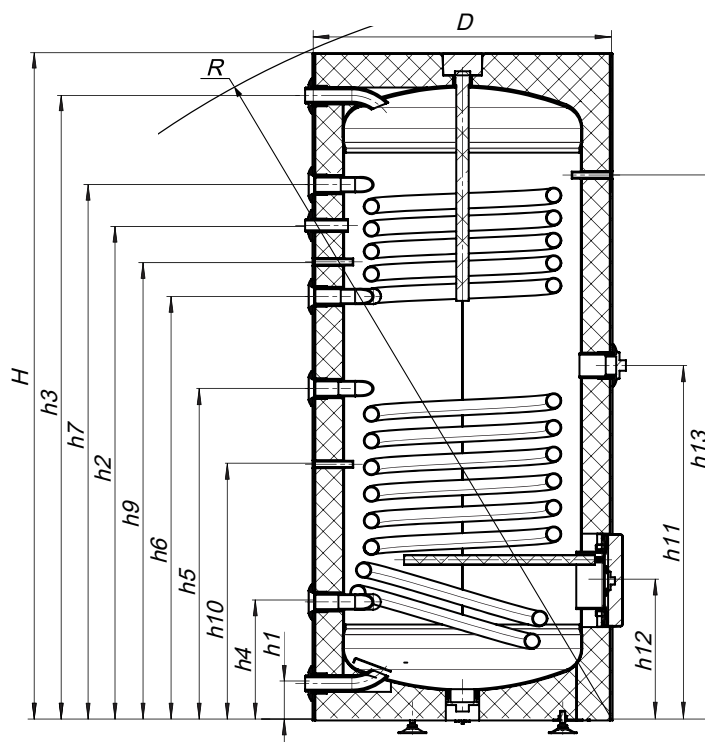
Technical data	Unit	Nominal volume			
		200	300	400	500
Cold water inlet h1	" / mm	1/ 80	1/ 91	1/ 91	1/ 101
Recirculation port h2	" / mm	3/4/ 830	3/4/ 841	3/4/ 1276	3/4/ 1286
Domestic hot water outlet h3	" / mm	1/ 1065	1/ 1076	1/ 1581	1/ 1591
Bushing tube h10	mm	420	431	656	666
Electric heating element port h11	" / mm	6/4/ 655	6/4/ 666	6/4/ 913	6/4/ 923
Inspection flange/ heating element h12	" / mm	6/4/ 280	6/4/ 291	6/4/ 311	6/4/ 321
Thermometer bushing h13	mm	925	936	1406	1416
Sensor bushing h14	mm	768	779	1176	1186
Max. tank operating pressure	MPa	0,6			
Height H	mm	1166	1196	1687	1679
Diameter D	mm	603	704	704	753
Volume V	l	183	267	405	472
Weight	kg	50	61	82	89
Tilt diagonal R	mm	1313	1388	1828	1841

KHT BT-C-01 WP-PU SERIES Water heaters with 1 coil



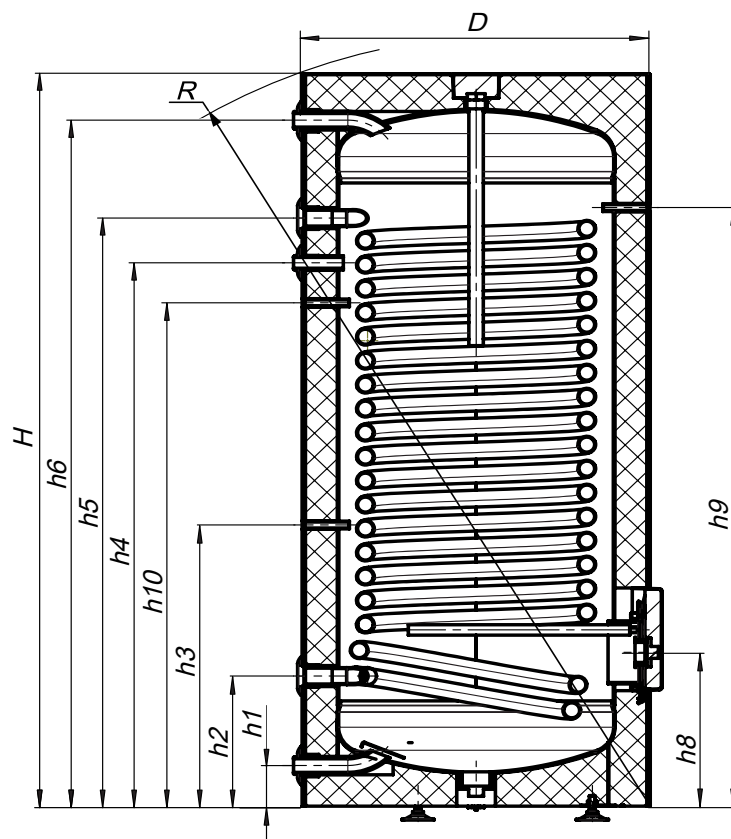
Technical data	Unit	Nominal volume			
		200	300	400	500
Cold water inlet h1	" / mm	1/ 80	1/ 91	1/ 91	1/ 101
Recirculation port h2	" / mm	3/4/ 830	3/4/ 841	3/4/ 1276	3/4/ 1286
Domestic hot water outlet h3	" / mm	1/1065	1/1076	1/ 1581	1/ 1591
Lower coil return h4	" /mm	1/ 235	1/ 246	5/4/ 266	5/4/ 276
Lower coil supply h5	" /mm	1/ 605	1/ 616	5/4/ 851	5/4/ 861
Bushing tube h10	mm	420	431	656	666
Electric heating element port h11	" / mm	6/4/ 655	6/4/ 666	6/4/ 913	6/4/ 923
Inspection flange/ heating element h12	" / mm	6/4/ 280	6/4/ 291	6/4/ 311	6/4/ 321
Thermometer bushing h13	mm	925	936	1406	1416
Sensor bushing h14	mm	768	779	1176	1186
Lower heat exchanger volume	l	5,7	7,6	13,9	13,9
Lower heat exchanger surface area	m ²	0,9	1,2	1,6	1,6
Lower heat exchanger output (70/10/45°C)	kW	21	28	37	37
Heat exchanger operating pressure	MPa	0,6			
Max. tank operating pressure	MPa	0,6			
Height H	mm	1166	1196	1687	1679
Diameter D	mm	603	704	704	753
Volume V	l	176	257	388	455
Weight	kg	63	78	104	112
Tilt diagonal R	mm	1313	1388	1828	1841

KHT BT-C-11 WP-PU SERIES Water heaters with 2 coils



Technical data	Unit	Nominal volume			
		200	300	400	500
Cold water inlet h1	" /mm	1/ 80	1/ 91	1/ 91	1/ 101
Recirculation port h2	" /mm	3/4/ 830	3/4/ 841	3/4 1276	3/4/ 1286
Domestic hot water outlet h3	" /mm	1/ 1065	1/ 1076	1/ 1581	1/ 1591
Lower coil return h4	" /mm	1/ 235	1/ 246	5/4/ 266	5/4/ 276
Lower coil supply h5	" /mm	1/ 605	1/ 616	5/4/ 851	5/4/ 861
Upper coil return h6	" /mm	1/ 705	1/ 716	1/ 976	1/ 986
Upper coil supply h7	" /mm	1/ 915	1/ 926	1/ 1376	1/ 1386
Bushing tube h9	mm	768	779	1176	1186
Bushing tube h10	mm	420	431	656	666
Electric heating element port h11	" / mm	6/4/ 655	6/4/ 666	6/4/ 913	6/4/ 923
Inspection flange/ heating element h12	" / mm	6/4/ 280	6/4/ 291	6/4/ 311	6/4/ 321
Thermometer bushing h13	mm	925	936	1406	1416
Lower heat exchanger volume	l	5,7	7,6	13,9	13,9
Lower heat exchanger surface area	m ²	0,9	1,2	1,6	1,6
Lower heat exchanger output (70/10/45°C)	kW	21	28	37	37
Upper heat exchanger volume	l	3,8	3,8	7,6	7,6
Upper heat exchanger surface area	m ²	0,6	0,6	1,2	1,2
Upper heat exchanger output (70/10/45°C)	kW	14	14	28	28
Heat exchanger operating pressure	MPa	0,6			
Max. tank operating pressure	MPa	0,6			
Height H	mm	1166	1196	1687	1679
Diameter D	mm	603	704	704	753
Volume V	l	171	252	379	446
Weight	kg	72	87	121	127
Tilt diagonal R	mm	1313	1388	1828	1841

KHT BTM-C WP-PU SERIES Water heaters for heat pumps with 1 coil



Technical data	Unit	Nominal volume			
		200	300	400	500
Cold water inlet h1	" / mm	1 / 80	1 / 91	1 / 91	1 / 101
Coil return h2	" / mm	1 / 235	5/4 / 246	5/4 / 266	5/4 / 276
Bushing tube h3	mm	420	431	656	666
Recirculation port h4	" / mm	3/4 / 830	3/4 / 841	3/4 / 1276	3/4 / 1286
Coil supply h5	" / mm	1 / 915	5/4 / 926	5/4 / 1376	5/4 / 1386
Domestic hot water outlet h6	" / mm	1 / 1065	1 / 1076	1 / 1581	1 / 1591
Inspection flange/ heating element h8	" / mm	6/4 / 280	6/4 / 291	6/4 / 311	6/4 / 321
Bushing tube h9	mm	925	936	1406	1416
Bushing tube h10	mm	768	779	1176	1186
Coil volume	l	13	24,2	32,4	38,2
Coil surface	m ²	2,4	3,1	3,7	4,4
Lower heat exchanger output (70/10/45°C)	kW	56	72	86	102
Heat exchanger operating pressure	MPa	0,6			
Max. tank operating pressure	MPa	0,6			
Height H	mm	1166	1196	1687	1679
Diameter D	mm	603	704	704	753
Volume V	l	166	238	366	426
Weight	kg	77	100	132	149
Tilt diagonal R	mm	1313	1388	1828	1841

KHT BT-C, BTM-C WATER HEATERS WITH REMOVABLE INSULATION

The BT series water heaters are manufactured in volumes from 750 to 2,000 litres and are designed to heat and store water for domestic as well as commercial use. The BT series water heaters are made of carbon phosphated steel and coated with high-quality ceramic enamel. The water heaters are equipped with an inspection opening in the flange with a diameter of 120 mm. The heat exchangers are made of carbon steel.

Maximum operating pressure 0.6 MPa, temperature 95°C.

Designation KHT BT-C-XY-V-GP-PS

BT – series
C – energy class
X – number of upper heat exchangers
Y – number of lower heat exchangers
V – typical size
GP- grey insulation
PS – removable insulation

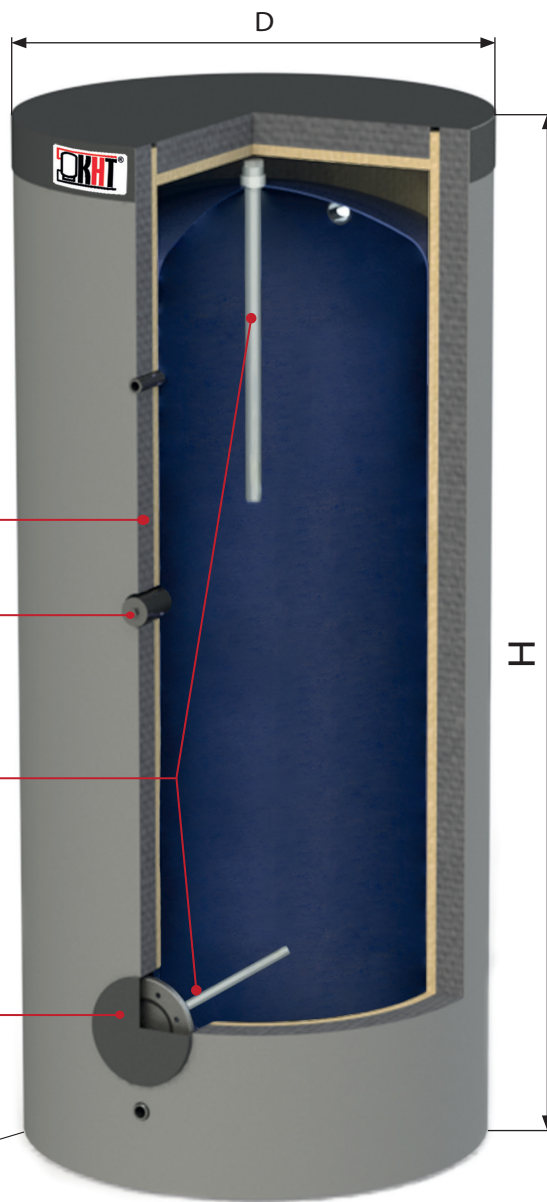
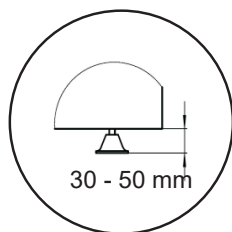
High-quality ceramic enamel

High-performance composite removable thermal insulation, 80 mm

Electric heating element connection

2 magnesium anodes

Inspection flange



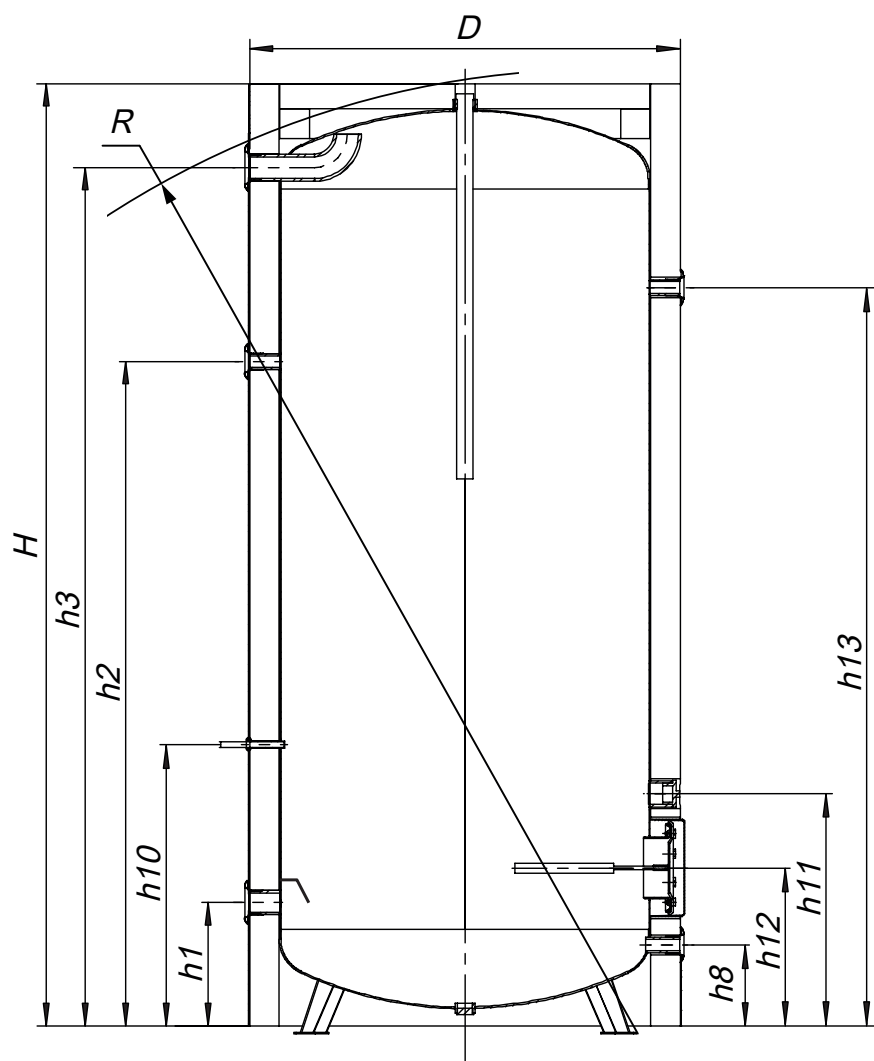
$P_{\max}$
6 bar

$T_{\max}$
95° C

Advantages:

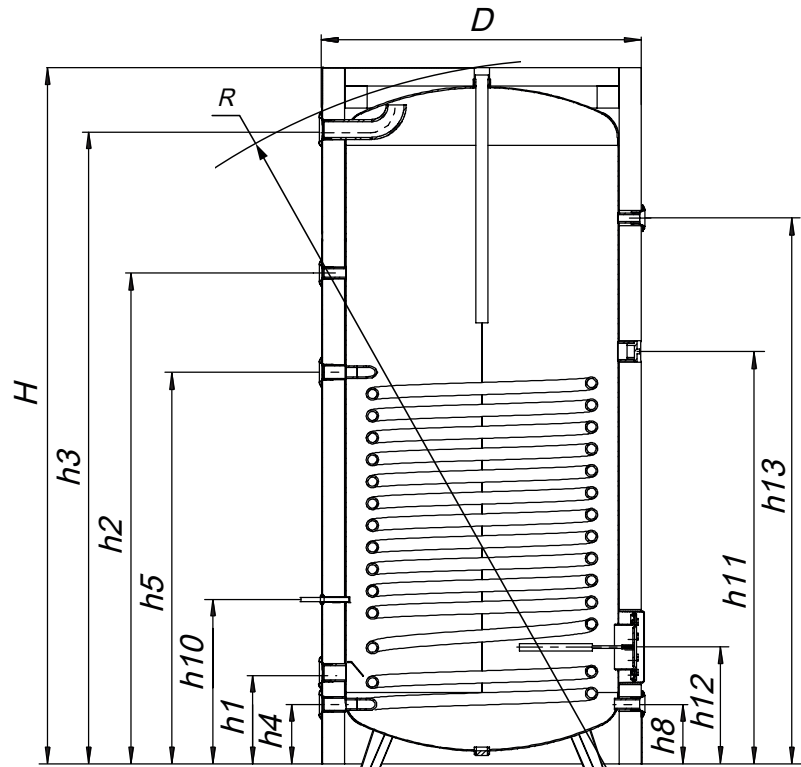
- rapid heating of cold water to the desired temperature;
- constant supply of hot water;
- ideal in combination with heat pumps and solar collectors;
- suitable for private and commercial use;
- can be equipped with electric heating elements from 1.4 to 15 kW.

KHT BT-C-00 GP-PS
SERIES Water heaters without coils in removable insulation



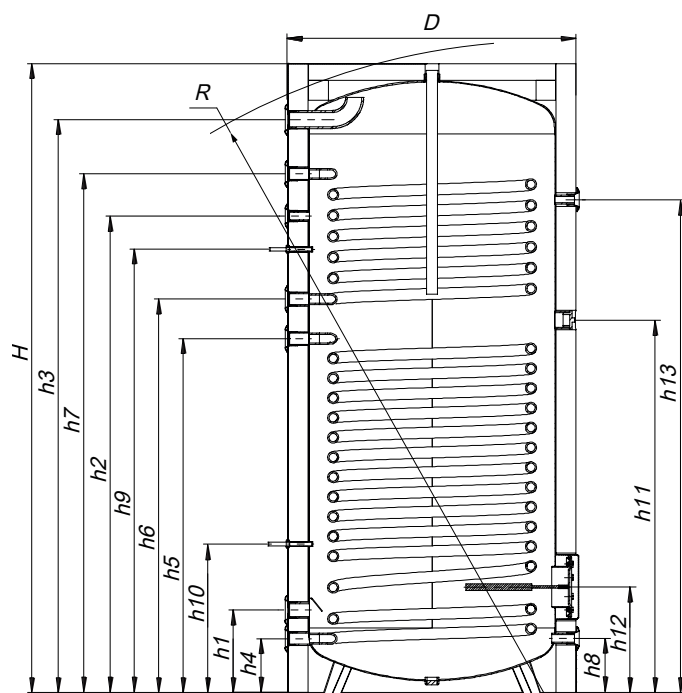
Technical data	Unit	Nominal volume			
		750	1000	1500	2000
Cold water inlet h1	" / mm	5/4/ 318	6/4/ 277	6/4/ 305	6/4/ 342
Recirculation port h2	" / mm	3/4/ 1628	3/4/ 1422	3/4/ 1310	3/4/ 1497
Domestic hot water outlet h3	" / mm	5/4/ 1806	6/4/ 1765	6/4/ 1800	6/4/ 1830
Drain tube h8	" / mm	3/4/ 232	3/4/ 191	3/4/ 214	3/4/ 256
Bushing tube h10	mm	638	577	605	542
Electric heating element port h11	" / mm	6/4/ 538	6/4/ 497	6/4/ 525	6/4/ 562
Inspection flange/ heating element h12	" / mm	6/4/ 388	6/4/ 347	6/4/ 375	6/4/ 412
Bushing tube h13	mm	1613	1572	1600	1587
Max. tank operating pressure	MPa	0,6			
Height H	mm	1972	1944	2049	2056
Diameter without insulation d/ with insulation D	mm	750/ 910	850/ 1010	1000 / 1160	1200/ 1360
Volume V	l	748	988	1361	1974
Weight	kg	129	155	184	251
Tilt diagonal R	mm	1990	1965	2075	2090

KHT BT-C-01 GP-PS SERIES Water heaters with 1 coil in removable insulation



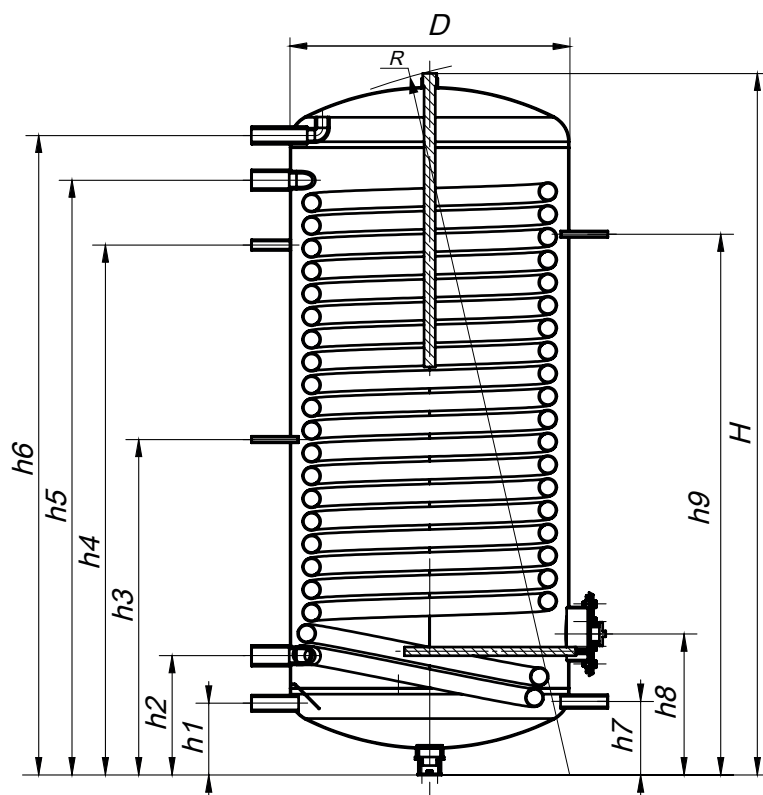
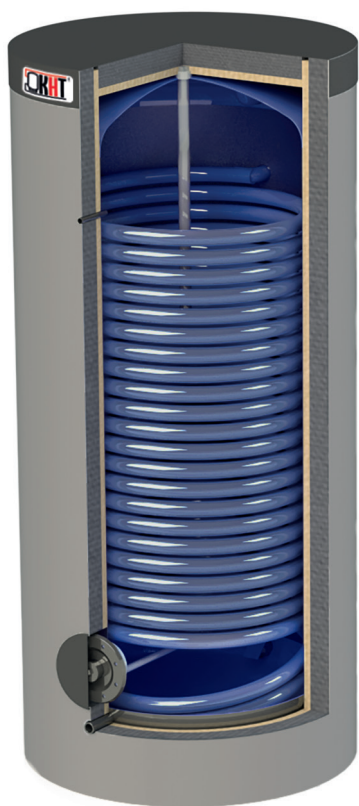
Technical data	Unit	Nominal volume			
		750	1000	1500	2000
Cold water inlet h1	" /mm	5/4/ 318	6/4/ 278	6/4/ 343	6/4/ 347
Recirculation port h2	" /mm	3/4/ 1628	3/4/ 1423	3/4/ 1348	3/4/ 1502
Domestic hot water outlet h3	" /mm	5/4/ 1803	6/4/ 1768	6/4/ 1838	6/4/ 1887
Lower coil return h4	" /mm	1/ 231	5/4/ 191	5/4/ 252	5/4/ 256
Lower coil supply h5	" /mm	1/ 1141	5/4/ 1261	5/4/ 1102	5/4/ 1126
Drain tube h8	" / mm	3/4/ 232	3/4/ 191	3/4/ 257	3/4/ 256
Bushing tube h10	mm	818	578	642	547
Electric heating element port h11	" / mm	6/4/ 1193	6/4/ 1322	6/4/ 1148	6/4/ 1237
Inspection flange/ heating element h12	" / mm	6/4/ 388	6/4/ 347	6/4/ 413	6/4/ 412
Bushing tube h13	mm	1613	1572	1638	1587
Lower heat exchanger volume	l	15,2	41,7	41,7	41,7
Lower heat exchanger surface area	m ²	2,4	4,75	4,75	4,75
Lower heat exchanger output (70/10/45°C)	kW	56	110	110	110
Heat exchanger operating pressure	MPa	0,6			
Max. tank operating pressure	MPa	0,6			
Height H	mm	1972	1944	2049	2056
Diameter without insulation d/ with insulation D	mm	750/ 910	850/ 1010	1000/ 1160	1200/ 1360
Volume V	l	729	938	1311	1924
Weight	kg	176	220	263	339
Tilt diagonal R	mm	1990	1965	2075	2090

KHT BT-C-11 GP-PS SERIES Water heaters with 2 coils in removable insulation



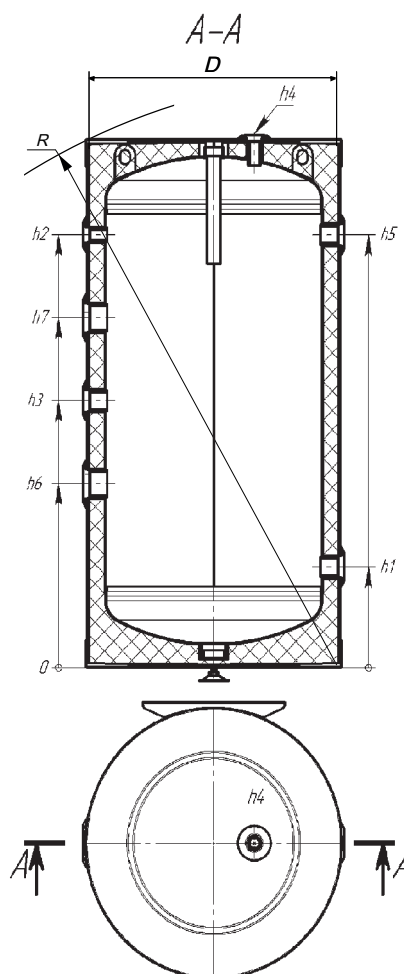
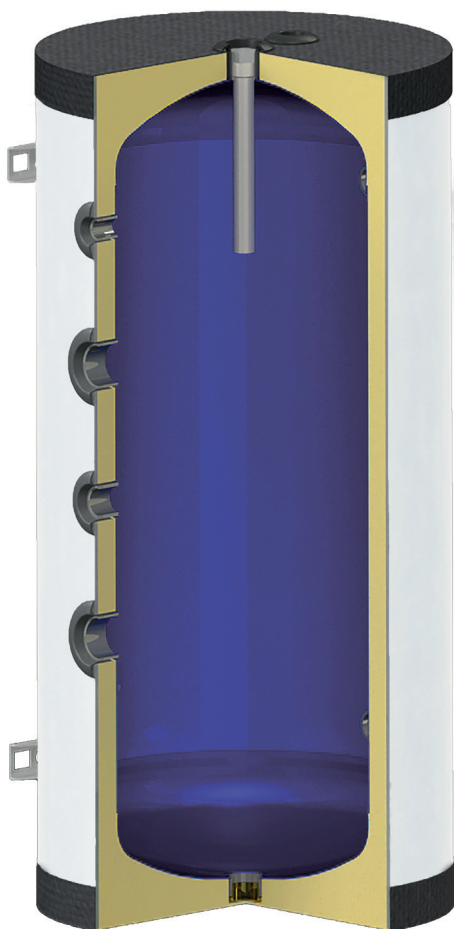
Technical data	Unit	Nominal volume			
		750	1000	1500	2000
Cold water inlet h1	" / mm	5/4/ 318	6/4/ 323	6/4/ 343	6/4/337
Recirculation port h2	" / mm	3/4/ 1628	3/4/ 1468	3/4/ 1348	3/4/1532
Domestic hot water outlet h3	" / mm	5/4/ 1803	6/4/ 1812	6/4/ 1838	6/4/1867
Lower coil return h4	" / mm	1/ 231	5/4/ 236	5/4/ 252	5/4/286
Lower coil supply h5	" / mm	1/ 1141	5/4/ 916	5/4/ 922	5/4/1156
Upper coil return h6	" / mm	1/ 1328	5/4/ 1268	5/4/ 1188	5/4/1372
Upper coil supply h7	" / mm	1/ 1708	5/4/ 1568	5/4/ 1438	5/4/1622
Drain tube h8	" / mm	3/4/ 232	3/4/ 237	3/4/ 257	3/4/291
Bushing tube h9	mm	1528	1368	1278	1462
Bushing tube h10	mm	818	623	643	577
Electric heating element port h11	" / mm	6/4/ 1193	6/4/ 1128	6/4/ 1148	6/4/1272
Inspection flange/ heating element h12	" / mm	6/4/ 388	6/4/ 393	6/4/ 413	6/4/ 447
Bushing tube h13	mm	1613	1618	1638	1622
Lower heat exchanger volume	l	19	27,8	27,8	41,7
Lower heat exchanger surface area	m ²	3,0	3,2	3,2	4,75
Lower heat exchanger output (70/10/45°C)	kW	69	74	74	110
Upper heat exchanger volume	l	7,6	13,9	13,9	13,9
Upper heat exchanger surface area	m ²	1,2	1,6	1,6	1,6
Upper heat exchanger output (70/10/45°C)	kW	28	37	37	37
Heat exchanger operating pressure	MPa	0,6			
Max. tank operating pressure	MPa	0,6			
Height H	mm	1972	2042	2049	2056
Diameter without insulation d/ with insulation D	mm	750/ 910	854/ 1024	1000/ 1160	1200/ 1360
Volume V	l	714	938	1311	1908
Weight	kg	198	212	258	341
Tilt diagonal R	mm	1990	2048	2075	2090

KHT BTM-C GP-PS SERIES Heat pump water heaters with removable insulation



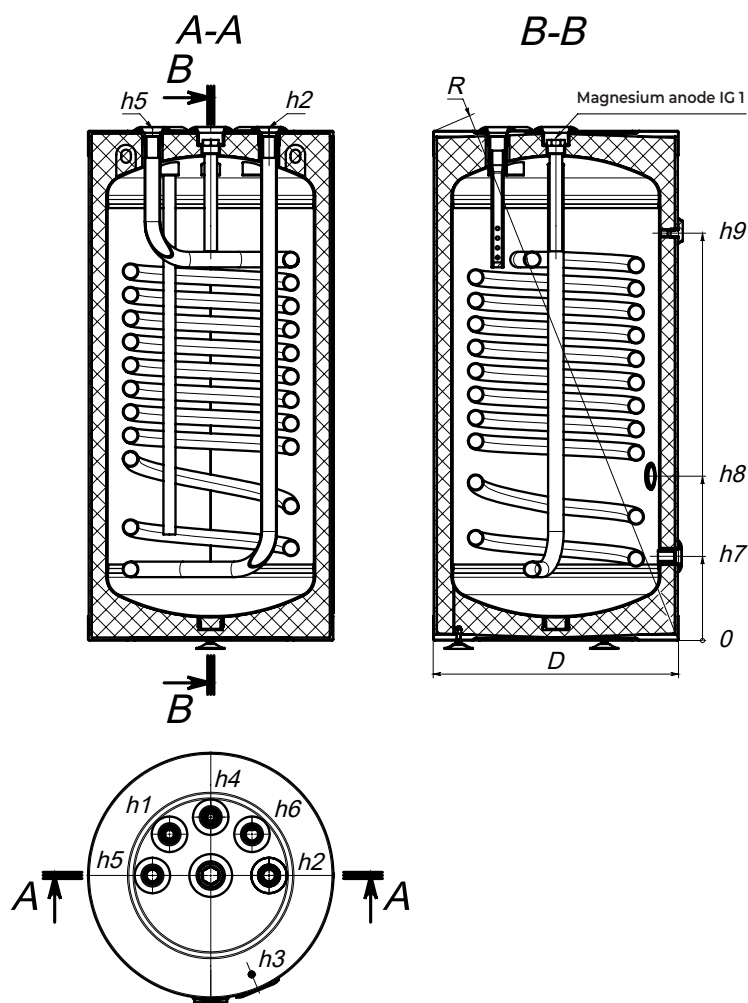
Technical data	Unit	KHT BTM-C-750-GP-PS	KHT BTM-C-1000-GP-PS
Cold water inlet h1	" / mm	6/4 / 189	6/4 / 227
Coil return h2	" / mm	5/4 / 300	5/4 / 338
Bushing tube h3	mm	850	1018
Recirculation port h4	" / mm	3/4 / 1400	3/4 / 1538
Coil supply h5	" / mm	5/4 / 1550	5/4 / 1688
Domestic hot water outlet h6	" / mm	6/4 / 1773	6/4 / 1809
Drain tube h7	" / mm	3/4 / 199	3/4 / 237
Inspection flange/ heating element h8	" / mm	6/4 / 355	6/4 / 393
Bushing tube h9	mm	1580	1618
Coil volume	l	55,6	69,5
Coil surface	m ²	6,3	7,9
Heat exchanger output (70/10/45 °C)	kW	145	182
Heat exchanger operating pressure	MPa	0,6	
Max. tank operating pressure	MPa	0,6	
Height H	mm	1909	2042
Diameter without insulation d/ with insulation D	mm	750/ 910	856/ 1026
Volume V	l	682	902
Weight	kg	287	300
Tilt diagonal R	mm	1924	2048

KHT BT-PV-B-00-120-WP-PU SERIES



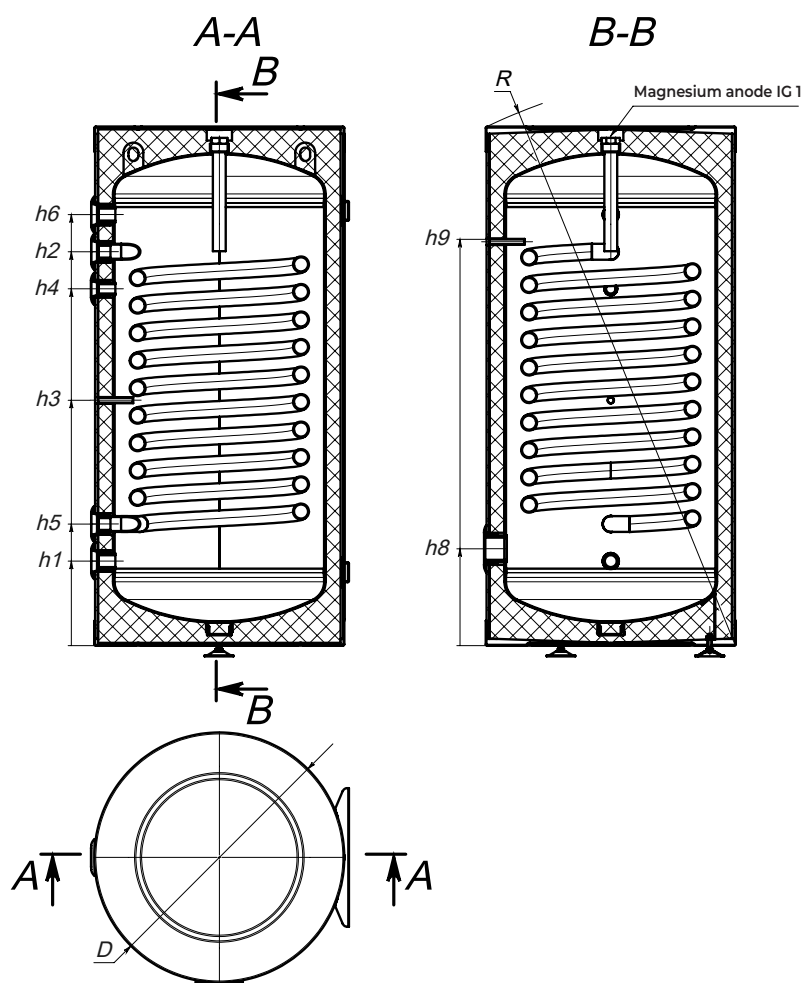
Technical data	Unit	KHT BT-PV-B-00-120-WP-PU
Cold water inlet/ Drain tube h1	" /mm	1 / 189
Bushing tube Thermometeru h2	" /mm	1/2 / 809
Recirculation port h3	mm	1 / 499
Connection/ vent port h4	" /mm	1/2 / 1019
Domestic hot water outlet h5	" /mm	1 / 809
Electric heating element port h6	" /mm	6/4 / 344
Electric heating element port h7	" /mm	6/4 / 654
Max. tank operating pressure	MPa	0,6
Height H	mm	1049
Diameter with insulation D/ without insulation d	mm	505/ 430
Nominal volume V	l	118
Weight	kg	41
Tilt diagonal R	mm	1162

KHT BT-U-B-01-120-WP-PU SERIES Ideal for gas boilers



Technical data	Unit	KHT BT-U-B-01-120-WP-PU
Cold water inlet h1	" /mm	1 / 1057
Coil return h2	" /mm	3/4 / 1057
Bushing tube h3	mm	1057
Recirculation port h4	" /mm	1 / 1057
Coil supply h5	" /mm	3/4 / 1057
Domestic hot water outlet h6	" /mm	1 / 1057
Drain tube h7	" /mm	1/2 / 173
Electric heating element port h8	mm	6/4 / 338
Bushing tube h9	mm	838
Coil volume	l	7,6
Coil surface	m ²	1,2
Heat exchanger output (70/10/45 °C)	kW	28
Heat exchanger operating pressure	MPa	0,6
Max. tank operating pressure	MPa	0,6
Height H	mm	1057
Diameter with insulation D	mm	505
Nominal volume/ without heat exchanger V	l	117/ 126
Weight	kg	48
Tilt diagonal R	mm	1162

KHT BT-S-B-01-120-WP-PU
 SERIES ideal for gas and pellet boilers



Technical data	Unit	KHT BT-S-B-01-120-WP-PU
Cold water inlet/ Drain tube h1	" /mm	3/4 / 171
Coil return h5	" /mm	3/4 / 246
Bushing tube h3	mm	496
Recirculation port h4	" /mm	1/2 / 721
Coil supply h2	" /mm	3/4 / 796
Domestic hot water outlet h6	" /mm	3/4 / 871
Electric heating element port h8	mm	6/4 / 196
Bushing tube h9	mm	816
Coil volume	l	6,3
Coil surface	m ²	1
Heat exchanger output (70/10/45 °C)	kW	23
Heat exchanger operating pressure	MPa	0,6
Max. tank operating pressure	MPa	0,6
Height H	mm	1049
Diameter with insulation D/ without insulation d	mm	505/430
Nominal volume/ without heat exchanger V	l	118/ 126
Weight	kg	41
Tilt diagonal R	mm	1162

Heating towers are devices used to heat large areas quickly and efficiently. Structurally, the towers consist of two parts: a buffer tank at the bottom, a water heater at the top. The heating towers are therefore designed to work with a heat pump that works together with a buffer tank and water heater, which is very convenient during installation. The design of the product allows for an ergonomic layout of the space in the boiler room, installing one unit instead of two to connect the heat pump.

Designation KHT THP/ THPH-B-X/Y GP-PU

THPh – series

X – typical size of the upper DHW tank

Y – typical size of the lower central heating buffer

B – energy class

GP- grey insulation

PU – polyurethane rigid foam insulation



B

P_{max}
3 bar

T_{max}
95° C

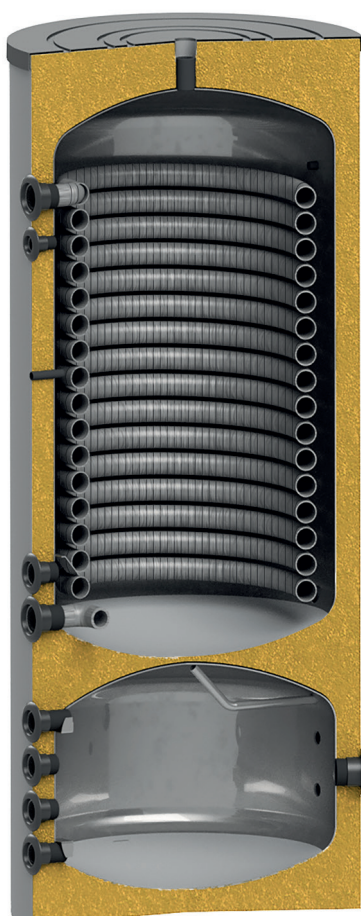
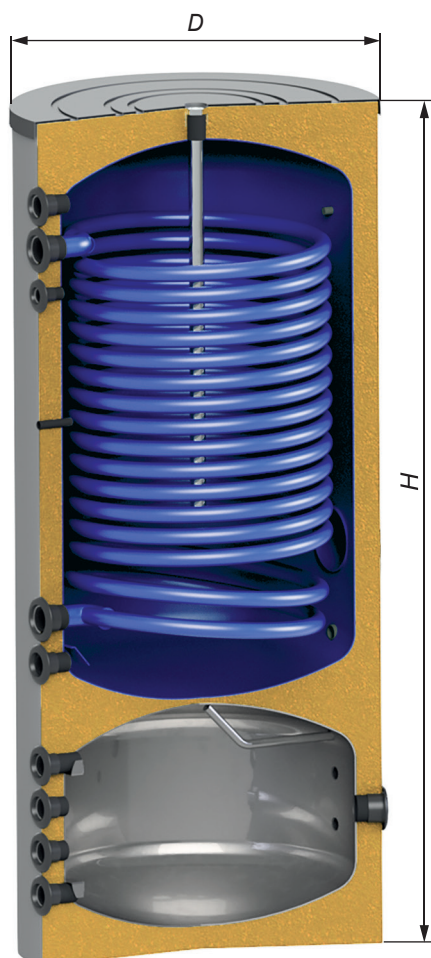


KHT THP-B-205/75-GP-PU

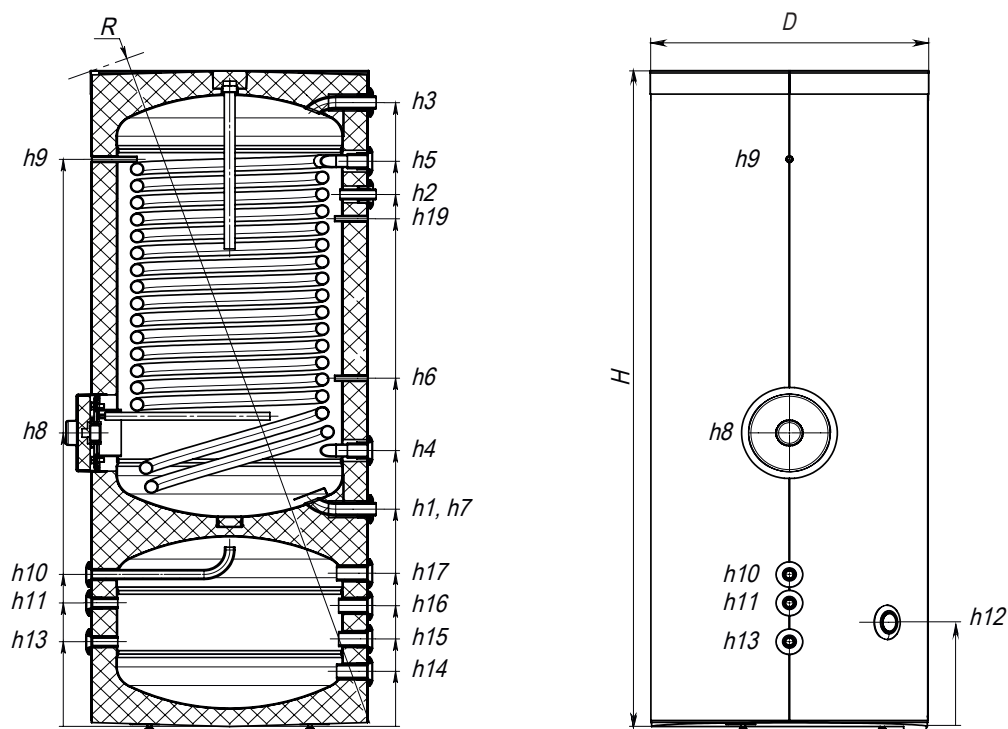
KHT THP-B-290/105-GP-PU

KHT THPH-B-290/105-GP-PU

KHT THPH-B-300/200-GP-PU

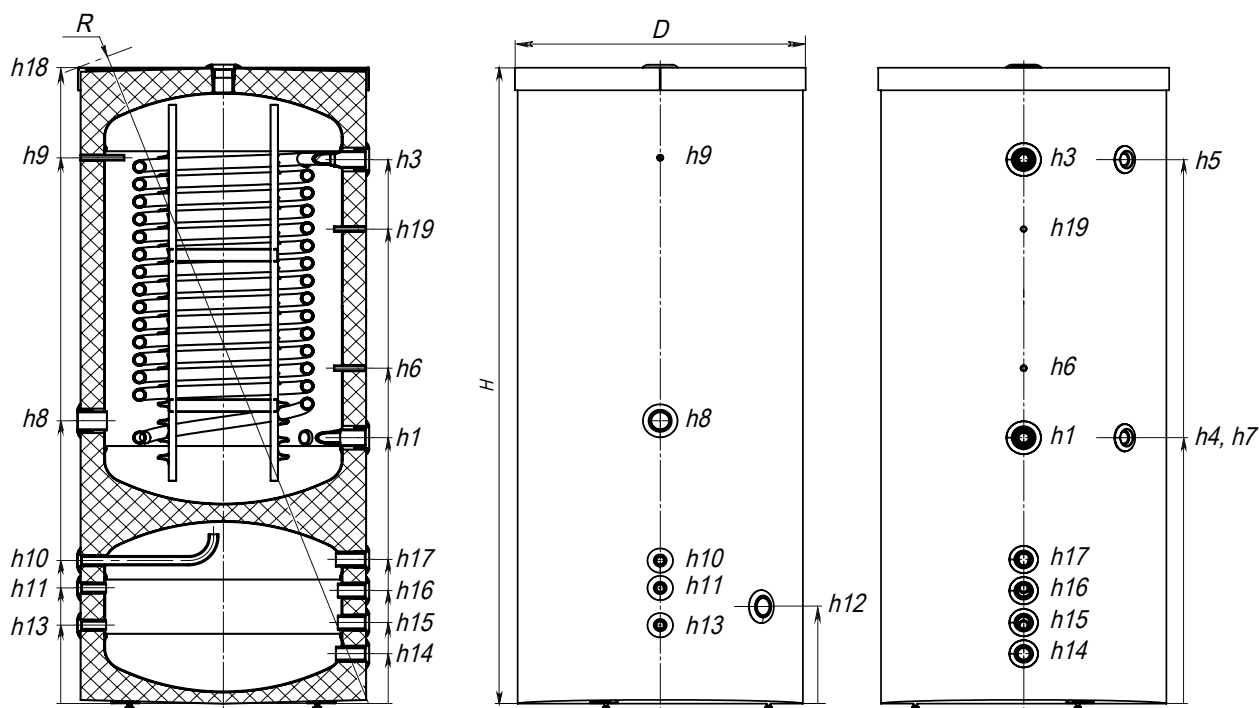


Heating towers enamel KHT THP-B GP-PU



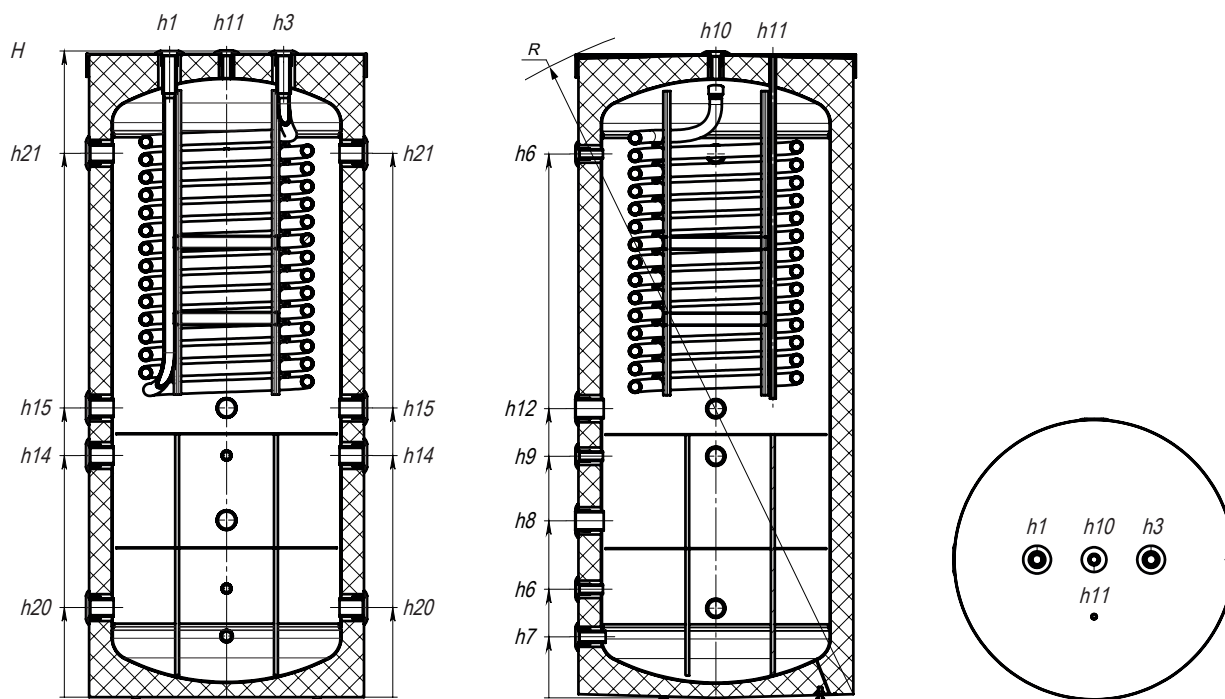
Technical data	Unit	KHT THP-B-205/75-GP-PU	KHT THP-B-290/105-GP-PU
Cold water inlet h1/ Drain tube h7	" / mm	1 / 556	1 / 558
Recirculation port h2	" / mm	3/4 / 1361	3/4 / 1363
Domestic hot water outlet h3	" / mm	1 / 1596	1 / 1598
Coil return h4	" / mm	1/ 706	5/ 4/ 706
Coil supply h5	" / mm	1 / 1446	5/ 4/ 1448
Sensor bushing temperature h6	mm	891	893
Electric heating element port h8	" / mm	6/4 / 751	6/4 / 753
Sensor bushing temperature h9	mm	1451	1453
Air vent port h10	" / mm	1/2 / 389	1/2 / 380
Temperature measurement nozzle h11	" / mm	1/2 / 316	1/2 / 307
Electric heating element connection h12	" / mm	6/4 / 258	6/4 / 258
Temperature measurement nozzle h13	" / mm	1/2 / 217	1/2 / 208
Coolant connection h14	" / mm	1 / 141	1 / 132
Coolant connection h15	" / mm	1 / 224	1 / 215
Coolant connection h16	" / mm	1 / 309	1 / 300
Coolant connection h17	" / mm	1 / 392	1 / 383
Sensor bushing temperature h19	mm	1299	1301
Coil volume	l	15,2	24
Coil surface	m ²	2,4	3,2
Heat exchanger output (70/10/45°C)	kW	56	74
Height H	mm	1677	1692
Diameter with insulation D/ without insulation d	mm	677/ 550	737/ 601
Volume of the upper DHW tank/ lower heating buffer, V	l	205/ 75	250/ 101
Weight	kg	111	132
Coil operating pressure	MPa	0,6	0,6
Upper DHW tank/ lower heating buffer operating pressure	MPa	0,6/ 0,3	0,6/ 0,3
Tilt diagonal R	mm	1802	1838

Hygienic heating towers KHT THPh-B-290/105-GP-PU



Technical data	Unit	KHT THPh-B-290/105-GP-PU
Cold water inlet h1	" / mm	1 / 708
Domestic hot water outlet h3	" / mm	1 / 1448
Coil return h4/ Drain tube h7	" / mm	1 / 708
Coil supply h5	" / mm	1 / 1448
Sensor bushing temperature h6	mm	893
Electric heating element connection h8	" / mm	6/4 / 753
Sensor bushing temperature h9	mm	1453
Vent port h10	" / mm	1/2 / 381
Temperature measurement nozzle h11	" / mm	1/2 / 308
Electric heating element connection h12	" / mm	6/4 / 258
Temperature measurement nozzle h13	" / mm	1/2 / 209
Coolant connection h14	" / mm	1 / 133
Coolant connection h15	" / mm	1 / 216
Coolant connection h16	" / mm	1 / 301
Coolant connection h17	" / mm	1 / 384
Connections, venting, h18	" / mm	5/4 / 1692
Sensor bushing temperature h19	mm	1452
Coil volume	l	12,8
Coil surface	m ²	4,0
Heat exchanger output (70/10/45°C)	kW	92
Height H	mm	1718
Diameter with insulation D/ without insulation d	mm	739/ 603
Volume of the upper DHW tank/ lower heating buffer, V	l	269/ 101
Weight	kg	81
Coil operating pressure	MPa	0,6
Tank operating pressure	MPa	0,3
Tilt diagonal R	mm	1838

Hygienic heating towers KHT THPh-B-300/200-GP-PU



Technical data	Unit	KHT THPh-B-300/200-GP-PU
Cold water inlet h1	" / mm	1 / 1700
Domestic hot water outlet h3	" / mm	1 / 1700
Sensor bushing temperatury h6/ h6.1	" / mm	1/2 / 286 / 1/2/1431
Drain tube h7	" / mm	3/4 / 161
Electric heating element connection h8	" / mm	6/4 / 466
Sensor bushing temperatury h9	" / mm	1/2 / 636
Vent port h10	" / mm	1/2 / 1700
Temperature measurement nozzle h11	" / mm	1 / 1700
Electric heating element connection h12	" / mm	6/4 / 761
Coolant connection h14	" / mm	5/4 / 636
Coolant connection h15	" / mm	5/4 / 761
Coolant connection h20	" / mm	5/4 / 236
Coolant connection h21	" / mm	5/4 / 1431
Coil volume	l	12,8
Coil surface	m ²	4,0
Heat exchanger output (70/10/45°C)	kW	92
Height H	mm	1700
Diameter with insulation D/ without insulation d	mm	737/ 603
Tank volume, V	l	408
Weight	kg	92
Coil operating pressure	MPa	0,6
Tank operating pressure	MPa	0,3
Tilt diagonal R	mm	1838

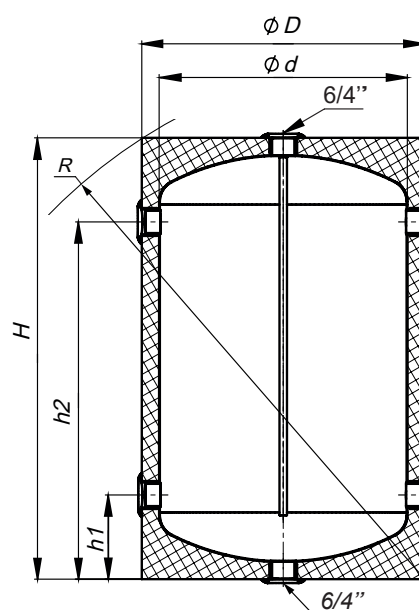
HPTH series buffer tanks are designed for use with a heat pump. The insulation is made of rigid foamed polyurethane, which allows the system to operate in a heating and cooling system with a temperature range of 6°C to 95°C.

Designation KHT HPTH-3-B-V-WP-PU

HPTH – series
 3 – additional third port for the connection
 B – energy class
 V – typical size
 WP- white insulation
 PU – polyurethane rigid foam insulation



KHT HPTH-B WP-PU



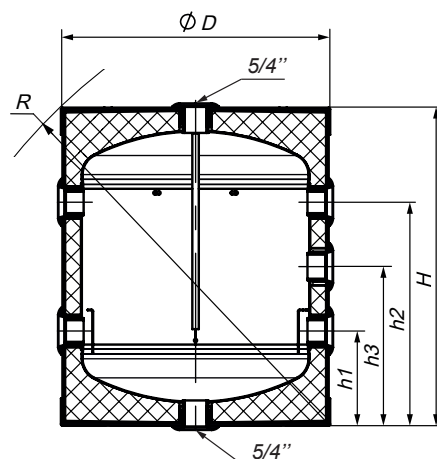
$P_{\max}$
3 bar

$P_{\max}$
3 bar

$T_{\max}$
95° C

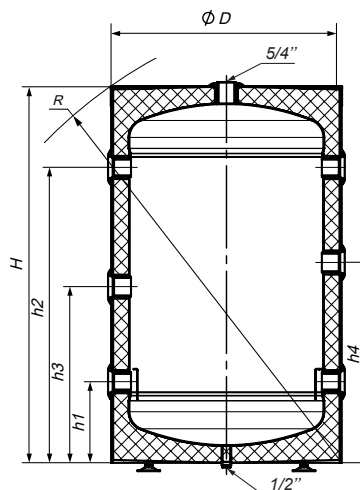
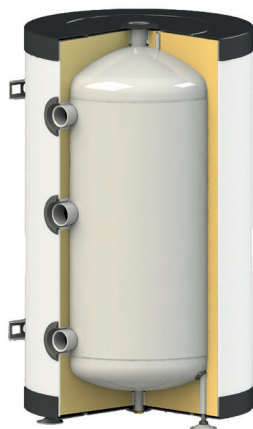
Technical data	Unit	Nominal volume			
		60	100	120	150
Connection port h1	" / mm	5/4 / 149	5/4 / 169	5/4 / 171	5/4 / 169
Connection port h2	" / mm	5/4 / 389	5/4 / 409	5/4 / 501	5/4 / 719
Operating pressure	MPa	0,3			
Height H	mm	530	577	690	893
Diameter with insulation D	mm	500	570	570	570
Volume	l	61	93	114	154
Weight	kg	14	16	24	30
Tilt diagonal R	mm	730	811	895	1060

KHT HPTH-3-B-60-WP-PU



Technical data	Jedn	KHT HPTH-3-B-60-WP-PU
Connection port h1	" / mm	5/4 / 181
Connection port h2	" / mm	5/4 / 421
Electric heating element port h3	" / mm	6/4 / 301
Operating pressure	MPa	0,3
Height H	mm	609
Diameter with insulation D	mm	505
Volume	l	63
Weight	kg	15
Tilt diagonal R	mm	784

KHT HPTH-3-B WP-PU



Technical data	Jedn	KHT HPTH-3-B-100-WP-PU	KHT HPTH-3-B-120-WP-PU	KHT HPTH-3-B-150-WP-PU
Connection port h1	" / mm	5/4 / 187	5/4 / 187	5/4 / 220
Connection port h2	" / mm	5/4 / 687	5/4 / 822	5/4 / 770
Electric heating element port h3	" / mm	6/4 / 406	6/4 / 474	6/4 / 464
Electric heating element port h4	" / mm	6/4 / 468	6/4 / 536	6/4 / 526
Operating pressure	MPa		0,3	
Height H	mm	868	1006	990
Diameter with insulation D	mm	505	505	594
Volume	l	100	119	158
Weight	kg	21	23	35
Tilt diagonal R	mm	997	1117	1134

The buffer tanks of the HP hygienic series are designed for use in systems with heat pumps, gas condensing boilers, solar collectors and other energy sources. They act as a buffer tank and a hot water boiler. This volume, thanks to stratified heat storage, makes it possible to supply hot water quickly and at low cost.

The heat exchanger is made of AISI 316L stainless steel corrugated tube, ensuring hygienic hot water preparation. Thanks to the turbulent movement of the water, calcium does not settle on the surface of the heat exchanger and dangerous Legionella bacteria are not formed. It does not require warming up at high temperatures against bacteria, as in classic DHW heaters.

The large surface area of the heat exchanger, which is distributed over the entire height of the tank, guarantees high hot water heating efficiency. The heat exchanger at the top provides an immediate supply of hot water, while the heat exchanger at the bottom is responsible for pre-heating the water, as well as cooling the tank itself. The low temperature prevailing in the lower part of the tank is very useful when the tank is used with heat pumps and condensing boilers.

Saving on system installation space by combining different sources into one element.

Designation

KHT HPTh- B-0X - V-GP-PU

KHT HPh - B-XY - V-GP-PU

KHT HPh - C-XY - V- GP-PS

HPTh/HPh – series

B,C – energy class

X – number of stainless steel heat exchangers

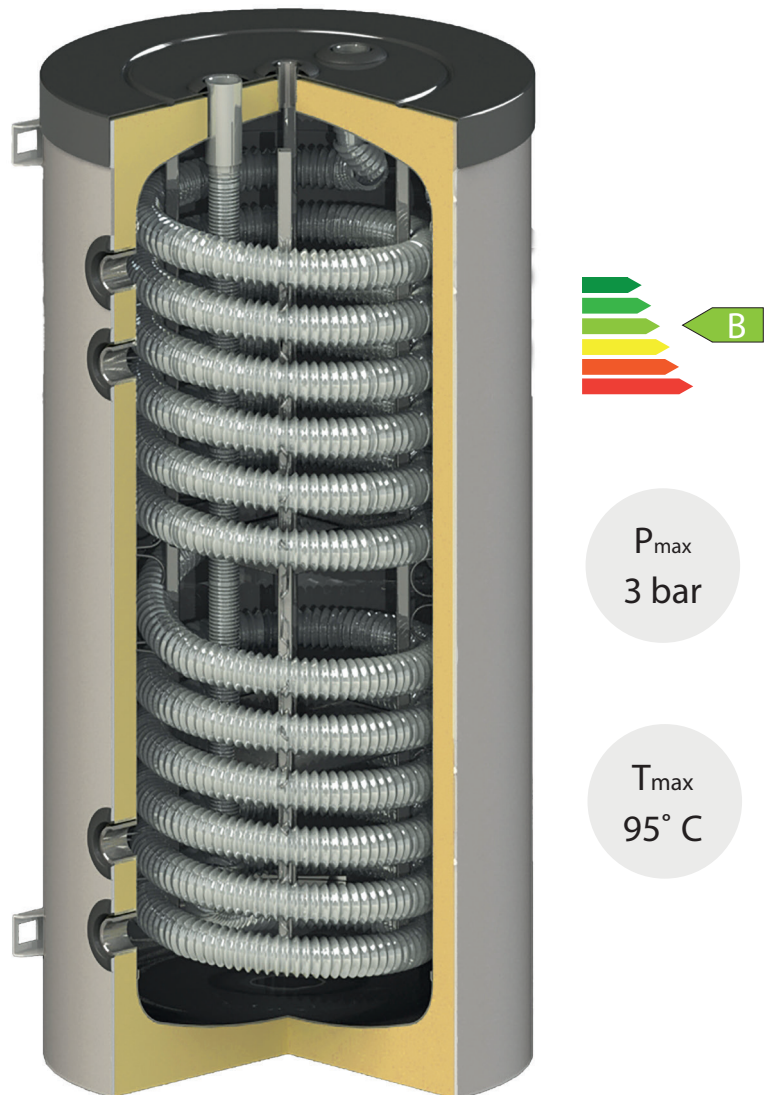
Y – number of steel heat exchangers

V – typical size

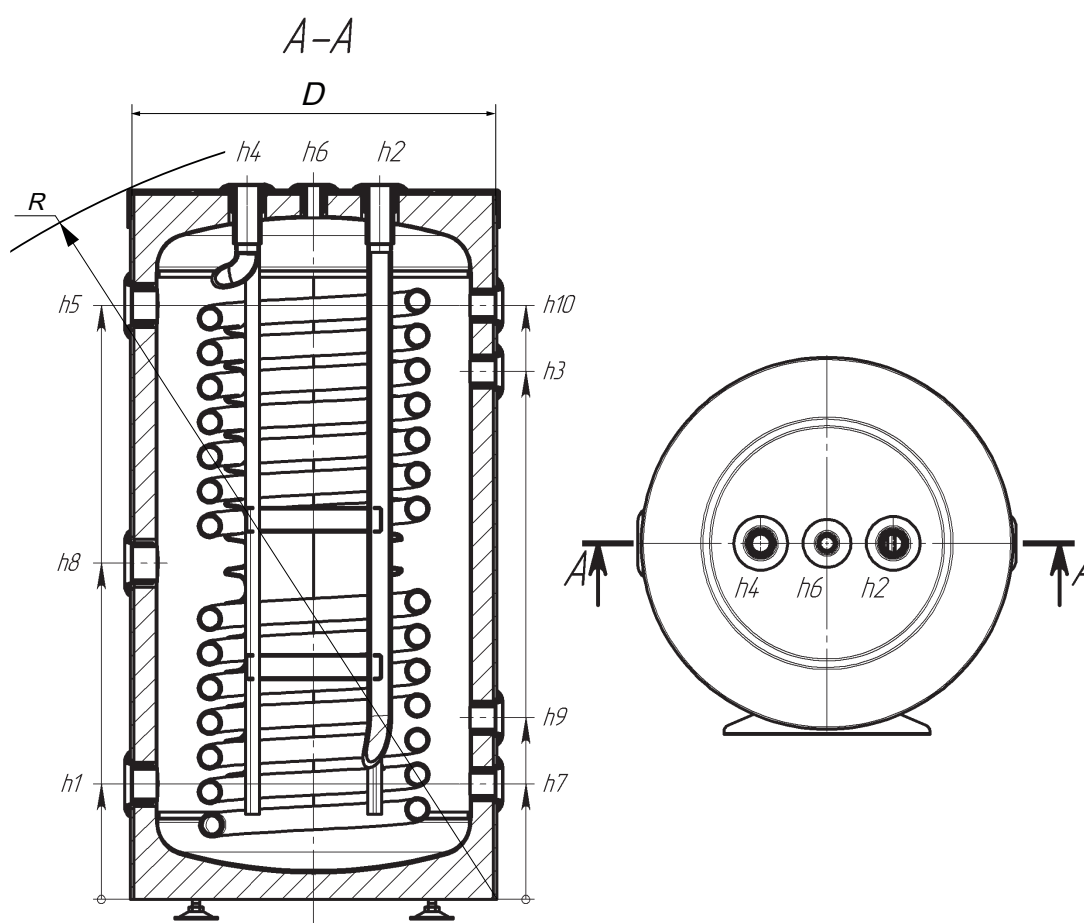
GP- grey insulation colour

PU – polyurethane rigid foam insulation

PS – removable insulation

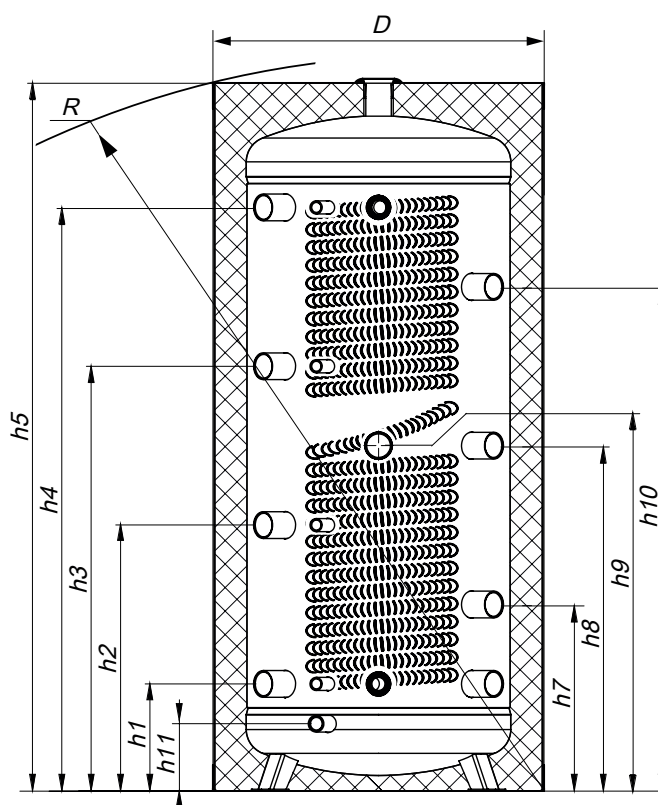
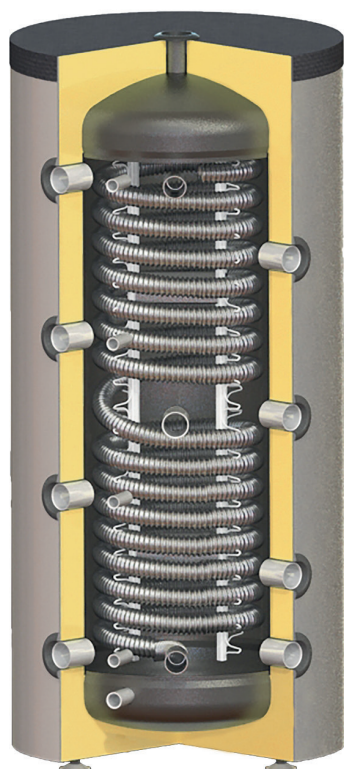


KHT HPTh-B-01-120-GP-PU
SERIES Buffer tanks for heat pumps



Technical data	Unit	KHT HPTh-B-01-120-GP-PU
Cold water inlet h1	" /mm	5/4 / 193
Coil return h2	" /mm	1 / 1057
Recirculation port h3	mm	1 / 753
Coil supply h4	" /mm	1 / 1057
Domestic hot water outlet h5	" /mm	5/4 / 843
Vent port h6	" /mm	1/2 / 1057
Drain tube h7	" /mm	1/2 / 193
Electric heating element port h8	mm	6/4 / 493
Connection port h9	mm	1 / 269
Connection port/ Water outlet to DHW h10	mm	1 / 843
Coil volume	l	10
Coil surface	m ²	3,0
Heat exchanger output (70/10/45 °C)	kW	69
Heat exchanger operating pressure	MPa	0,6
Max. tank operating pressure	MPa	0,3
Height H	mm	1057
Diameter without insulation d/ with insulation D	mm	430/ 505
Nominal volume/ without heat exchanger V	l	114/ 124
Weight	kg	31
Tilt diagonal R	mm	1162

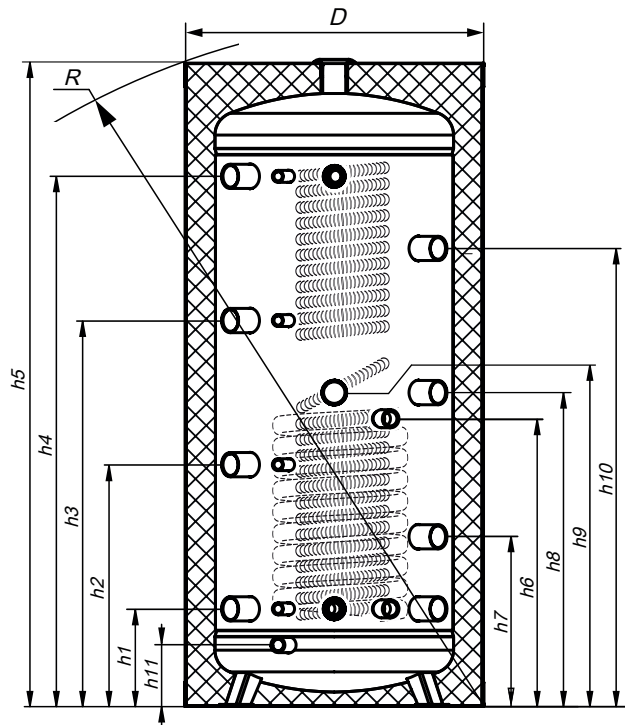
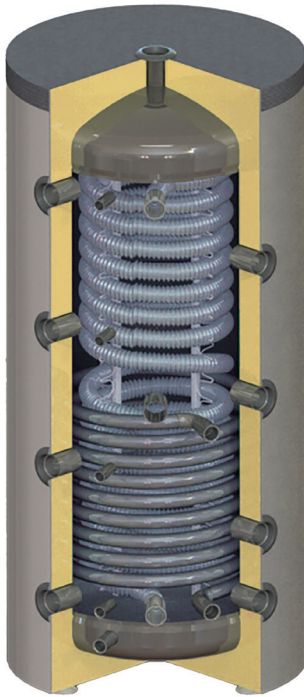
KHT HPh-B-10 GP-PU SERIES Buffer tanks with AISI 316L stainless steel coil



Technical data	Unit	Nominal volume		
		200	300	400
Connection ports h1	" / mm	6/4 / 212	6/4 / 231	6/4 / 236
Connection ports h2	" / mm	6/4 / 516	6/4 / 534	6/4 / 619
Connection ports h3	" / mm	6/4 / 819	6/4 / 837	6/4 / 1002
Connection ports h4	" / mm	6/4 / 1122	6/4 / 1141	6/4 / 1386
Sensor bushing temperature	"	1/2		
Connection ports/vent port h5	" / mm	5/4 / 1360	5/4 / 1396	5/4 / 1646
DHW coil water outlet h4	" / mm	1 / 1122	1 / 1141	1 / 1386
Cold water supply to DHW coil h1	" / mm	1 / 212	1 / 231	1 / 236
Connection ports h7	" / mm	6/4 / 364	6/4 / 382	6/4 / 427
Connection ports h8	" / mm	6/4 / 667	6/4 / 686	6/4 / 811
Electric heating element connection h9	" / mm	6/4 / 667	6/4 / 686	6/4 / 886
Connection ports h10	" / mm	6/4 / 971	6/4 / 989	6/4 / 1194
Drain port h11	" / mm	3/4 / 136	3/4 / 155	3/4 / 155
Heat exchanger operating pressure	MPa	0,6		
DHW coil surface	m ²	3,5	3,5	4
DHW coil volume	l	11	11	13
Tank operating pressure	MPa	0,3		
Height H	mm	1369	1405	1655
Diameter without insulation d/ with insul. D	mm	502/ 634	603/ 732	603/ 732
Nominal volume	l	220	326	393
Weight	kg	54	63	74
Tilt diagonal R	mm	1501	1576	1802

KHT HPh-B-11 GP-PU

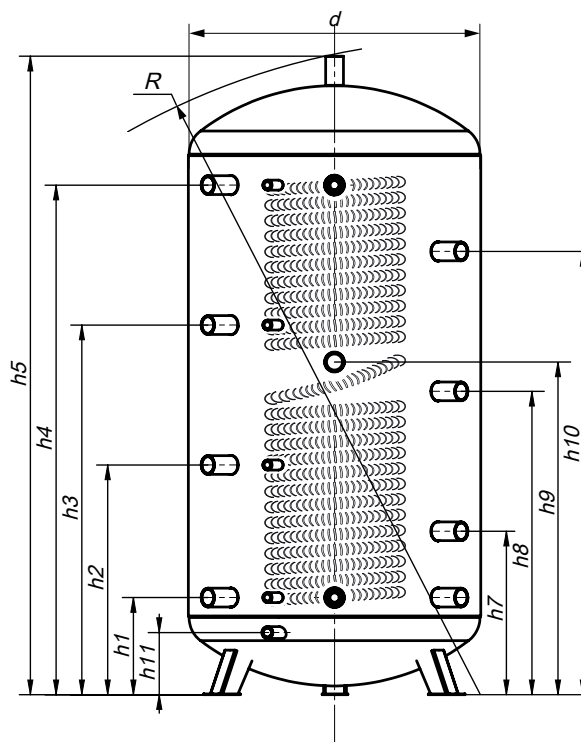
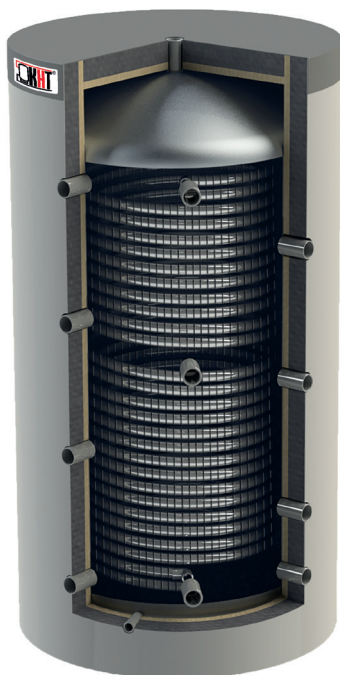
SERIES Buffer tanks with AISI 316L stainless steel coil and carbon steel lower coil



Technical data	Unit	Nominal volume		
		200	300	400
Connection ports h1	"/ mm	6/4 / 212	6/4 / 231	6/4 / 236
Connection ports h2	"/ mm	6/4 / 516	6/4 / 534	6/4 / 619
Connection ports h3	"/ mm	6/4 / 819	6/4 / 837	6/4 / 1002
Connection ports h4	"/ mm	6/4 / 1122	6/4 / 1141	6/4 / 1386
Sensor bushing temperature	"	1/2		
Connection ports/ vent port h5	"/ mm	5/4 / 1360	5/4 / 1396	5/4 / 1646
Lower coil return h1	"/ mm	1 / 212	1 / 231	1 / 236
Lower coil supply h6	"/ mm	1 / 612	1 / 631	1 / 836
DHW coil water outlet h4	"/ mm	1 / 1122	1 / 1141	1 / 1386
Cold water supply to DHW coil h1	"/ mm	5/4 / 212	5/4 / 231	5/4 / 236
Connection ports h7	"/ mm	6/4 / 364	6/4 / 382	6/4 / 427
Connection ports h8	"/ mm	6/4 / 667	6/4 / 686	6/4 / 811
Electric heating element connection h9	"/ mm	6/4 / 667	6/4 / 686	6/4 / 886
Connection ports h10	"/ mm	6/4 / 971	6/4 / 989	6/4 / 1194
Drain port h11	"/ mm	3/4 / 136	3/4 / 155	3/4 / 155
Heat exchanger operating pressure	MPa	0,6		
Lower coil surface	m ²	1,2	1,2	1,8
Lower coil volume	l	7,4	7,4	11,2
DHW coil surface	m ²	3,5	3,5	4
DHW coil volume	l	11	11	13
Tank operating pressure	MPa	0,3		
Height H	mm	1369	1405	1655
Diameter without insulation d/ with insul. D	mm	502/ 634	603/ 732	603/ 732
Nominal volume	l	211	317	379
Weight	kg	70	80	97
Tilt diagonal R	mm	1501	1576	1802

KHT HPh-C-10 GP-PS

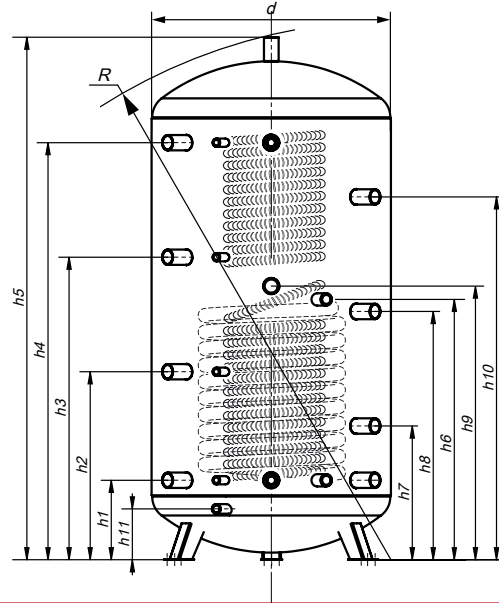
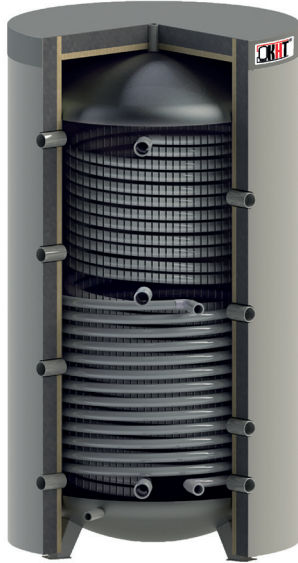
SERIES Buffer tanks with AISI 316L stainless steel coil in removable insulation



Technical data	Unit	Nominal volume							
		200	300	400	500	800	1000	1500	2000
Connection ports h1	"/ mm	6/4 / 204	6/4 / 222	6/4 / 227	6/4 / 242	6/4 / 272	6/4 / 277	6/4 / 295	6/4 / 340
Connection ports h2	"/ mm	6/4 / 507	6/4 / 525	6/4 / 610	6/4 / 705	6/4 / 655	6/4 / 740	6/4 / 758	6/4 / 803
Connection ports h3	"/ mm	6/4 / 811	6/4 / 829	6/4 / 994	6/4 / 1169	6/4 / 1039	6/4 / 1204	6/4 / 1222	6/4 / 1267
Connection ports h4	"/ mm	6/4 / 1114	6/4 / 1132	6/4 / 1377	6/4 / 1632	6/4 / 1422	6/4 / 1667	6/4 / 1685	6/4 / 1730
Sensor bushing temperature	"	1/2							
Connection ports/ vent port h5	"/ mm	5/4 / 1378	5/4 / 1414	5/4 / 1664	5/4 / 1931	5/4 / 1736	5/4 / 1986	5/4 / 2027	5/4 / 2104
DHW coil water outlet h4	"/ mm	1 / 1114	1 / 1132	1 / 1377	1 / 1632	5/4 / 1422	5/4 / 1667	5/4 / 1685	5/4 / 1730
Cold water supply to DHW coil h1	"/ mm	1 / 204	1 / 222	1 / 227	1 / 242	5/4 / 272	5/4 / 277	5/4 / 295	5/4 / 340
Connection ports h7	"/ mm	6/4 / 356	6/4 / 374	6/4 / 419	6/4 / 474	6/4 / 464	6/4 / 509	6/4 / 527	6/4 / 572
Connection ports h8	"/ mm	6/4 / 659	6/4 / 677	6/4 / 802	6/4 / 937	6/4 / 847	6/4 / 972	6/4 / 990	6/4 / 1035
Electric heating element connection h9	"/ mm	6/4 / 659	6/4 / 677	6/4 / 877	6/4 / 1037	6/4 / 922	6/4 / 1047	6/4 / 1115	6/4 / 1160
Connection ports h10	"/ mm	6/4 / 962	6/4 / 980	6/4 / 1185	6/4 / 1400	6/4 / 1230	6/4 / 1435	6/4 / 1453	6/4 / 1160
Drain port h11	"/ mm	3/4 / 128	3/4 / 146	3/4 / 147	3/4 / 156	3/4 / 191	3/4 / 191	3/4 / 209	3/4 / 254
Heat exchanger operating pressure	MPa	0,6				0,4			
DHW coil surface	m ²	3,5	3,5	4	5	6	7,8	8	8
DHW coil volume	l	11	11	13	15,8	23	30	30,7	30,7
Tank operating pressure	MPa	0,3							
Height H	mm	1380	1416	1666	1933	1738	1988	2029	2105
Diameter without insulation d	mm	502	603	603	651	790	790	997	1196
Diameter with insulation D	mm	674	775	775	823	962	962	1169	1368
Nominal volume	l	220	326	393	538	697	811	1329	1947
Weight	kg	52	61	69	84	94	106	149	202
Tilt diagonal R	mm	1409	1455	1699	1968	1791	2034	2099	2199

HPH-C-11 GP-PS

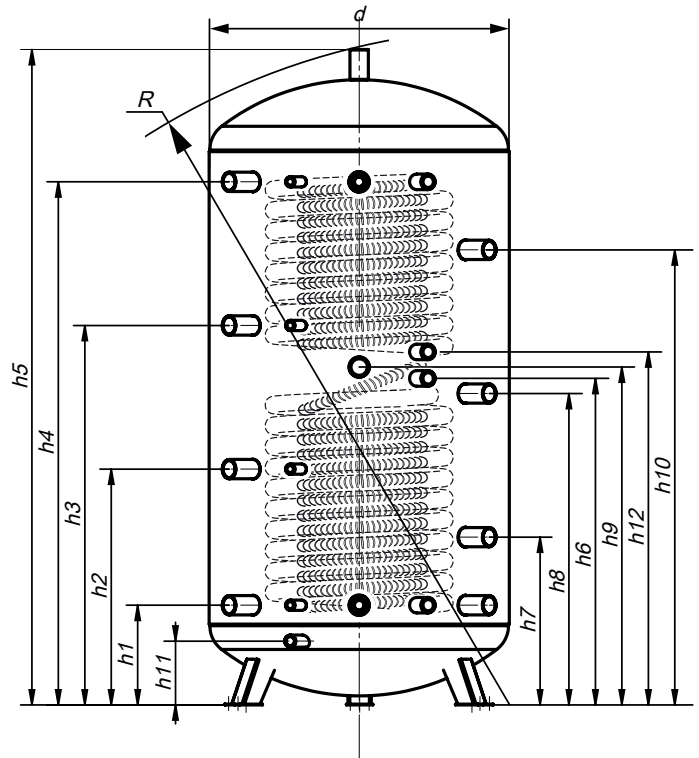
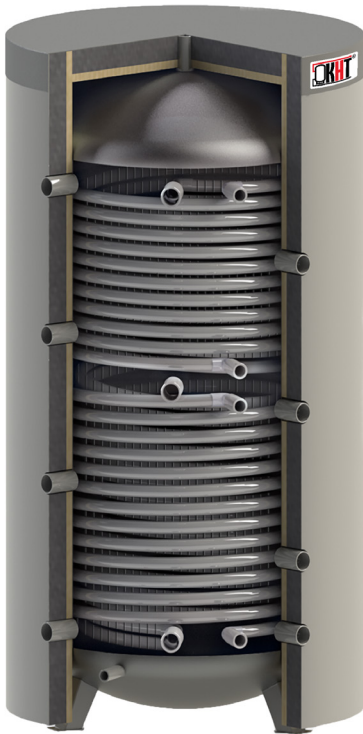
SERIES Buffer tanks with AISI 316L stainless steel coil and carbon steel lower coil in removable insulation



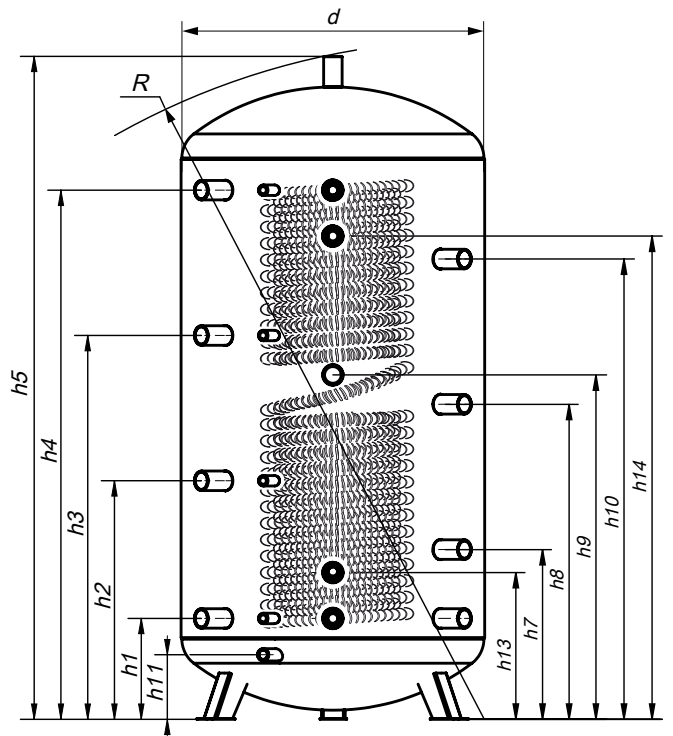
Technical data	Unit	Nominal volume							
		200	300	400	500	800	1000	1500	2000
Connection ports h1	" / mm	6/4 / 204	6/4 / 222	6/4 / 227	6/4 / 242	6/4 / 272	6/4 / 277	6/4 / 295	6/4 / 340
Connection ports h2	" / mm	6/4 / 507	6/4 / 525	6/4 / 610	6/4 / 705	6/4 / 655	6/4 / 740	6/4 / 758	6/4 / 803
Connection ports h3	" / mm	6/4 / 811	6/4 / 829	6/4 / 994	6/4 / 1169	6/4 / 1039	6/4 / 1204	6/4 / 1222	6/4 / 1267
Connection ports h4	" / mm	6/4 / 1114	6/4 / 1132	6/4 / 1377	6/4 / 1632	6/4 / 1422	6/4 / 1667	6/4 / 1685	6/4 / 1730
Sensor bushing temperature	"	1/2							
Connection ports/vent port h5	" / mm	5/4 / 1378	5/4 / 1414	5/4 / 1664	5/4 / 1931	5/4 / 1736	5/4 / 1986	5/4 / 2027	5/4 / 2104
Lower coil return h1	" / mm	1 / 204	1 / 222	1 / 227	1 / 242	5/4 / 272	5/4 / 277	5/4 / 295	5/4 / 340
Lower coil supply h6	" / mm	1 / 604	1 / 622	1 / 827	1 / 842	5/4 / 872	5/4 / 877	5/4 / 1045	5/4 / 1090
DHW coil water outlet h4	" / mm	1 / 1114	1 / 1132	1 / 1377	1 / 1632	5/4 / 1422	5/4 / 1667	5/4 / 1685	5/4 / 1730
Cold water supply to DHW coil h1	" / mm	1 / 204	1 / 222	1 / 227	1 / 242	5/4 / 272	5/4 / 277	5/4 / 295	5/4 / 340
Connection ports h7	" / mm	6/4 / 356	6/4 / 374	6/4 / 419	6/4 / 474	6/4 / 464	6/4 / 509	6/4 / 527	6/4 / 572
Connection ports h8	" / mm	6/4 / 659	6/4 / 677	6/4 / 802	6/4 / 937	6/4 / 847	6/4 / 972	6/4 / 990	6/4 / 1035
Electric heating element connection h9	" / mm	6/4 / 659	6/4 / 677	6/4 / 877	6/4 / 1037	6/4 / 922	6/4 / 1047	6/4 / 1115	6/4 / 1160
Connection ports h10	" / mm	6/4 / 962	6/4 / 980	6/4 / 1185	6/4 / 1400	6/4 / 1230	6/4 / 1435	6/4 / 1453	6/4 / 1498
Drain port h11	" / mm	3/4 / 128	3/4 / 146	3/4 / 147	3/4 / 156	3/4 / 191	3/4 / 191	3/4 / 209	3/4 / 254
Heat exchanger operating pressure	MPa	0,6							
DHW coil operating pressure	MPa	0,6				0,4			
Lower coil surface	m ²	1,2	1,2	1,8	1,8	3,2	3,2	4,7	4,7
Lower coil volume	l	7,4	7,4	11,2	11,2	29,5	29,5	42	42
DHW coil surface	m ²	3,5	3,5	4	5	6	7,8	8	8
DHW coil volume	l	11	11	13	15,8	23	30	30,7	30,7
Tank operating pressure	MPa	0,3							
Height H	mm	1380	1416	1666	1933	1738	1988	2029	2105
Diameter without insulation d/ with insulation D	mm	502/ 674	603/775	603/ 775	651/ 823	790/ 962	790/ 962	997/ 1169	1196/ 1368
Nominal volume	l	211	317	379	524	663	777	1279	1898
Weight	kg	69	77	94	108	143	158	233	268
Tilt diagonal R	mm	1409	1455	1699	1968	1791	2034	2099	2199



KHT HPh-C-12 GP-PS SERIES



KHT HPh-C-20 GP-PS SERIES



KHT HPh-C-12 GP-PS

SERIES Buffer tanks with AISI 316L stainless steel coil and carbon steel lower and upper heat coils in removable insulation

Technical data	Unit	Nominal volume				
		500	800	1000	1500	2000
Connection ports h1	"/ mm	6/4 / 242	6/4 / 272	6/4 / 277	6/4 / 295	6/4 / 340
Connection ports h2	"/ mm	6/4 / 705	6/4 / 655	6/4 / 740	6/4 / 758	6/4 / 803
Connection ports h3	"/ mm	6/4 / 1169	6/4 / 1039	6/4 / 1204	6/4 / 1222	6/4 / 1267
Connection ports h4	"/ mm	6/4 / 1632	6/4 / 1422	6/4 / 1667	6/4 / 1685	6/4 / 1730
Sensor bushing temperature	"	1/2				
Connection ports/ vent port h5	"/ mm	5/4 / 1931	5/4 / 1736	5/4 / 1986	5/4 / 2027	5/4 / 2104
Upper coil return h12	"/ mm	1 / 1232	5/4 / 972	5/4 / 1217	5/4 / 1185	5/4 / 1230
Upper coil supply h4	"/ mm	1 / 1632	5/4 / 1422	5/4 / 1667	5/4 / 1685	5/4 / 1730
Lower coil return h1	"/ mm	1 / 242	5/4 / 272	5/4 / 277	5/4 / 295	5/4 / 340
Lower coil supply h6	"/ mm	1 / 842	5/4 / 872	5/4 / 877	5/4 / 1045	5/4 / 1090
DHW coil water outlet h4	"/ mm	1 / 1632	5/4 / 1422	5/4 / 1667	5/4 / 1685	5/4 / 1730
Cold water supply to DHW coil h1	"/ mm	1 / 242	5/4 / 272	5/4 / 277	5/4 / 295	5/4 / 340
Connection ports h7	"/ mm	6/4 / 474	6/4 / 464	6/4 / 509	6/4 / 527	6/4 / 572
Connection ports h8	"/ mm	6/4 / 937	6/4 / 847	6/4 / 972	6/4 / 990	6/4 / 1035
Electric heating element connection h9	"/ mm	6/4 / 1037	6/4 / 922	6/4 / 1047	6/4 / 1115	6/4 / 1160
Connection ports h10	"/ mm	6/4 / 1400	6/4 / 1230	6/4 / 1435	6/4 / 1453	6/4 / 1498
Drain port h11	"/ mm	3/4 / 156	3/4 / 191	3/4 / 191	3/4 / 209	3/4 / 254
Upper and lower coils operating pressure	MPa	0,6				
DHW coil operating pressure	MPa	0,6	0,4			
Upper coil surface	m ²	1,2	2,4	2,4	3,2	3,2
Upper coil volume	l	8	22	22	29,5	29,5
Lower coil surface	m ²	1,8	3,2	3,2	4,7	4,7
Lower coil volume	l	11,2	29,5	29,5	42	42
DHW coil surface	m ²	5	6	7,8	8	8
DHW coil volume	l	15,8	23	30	30,7	30,7
Tank operating pressure	MPa	0,3				
Height H	mm	1933	1738	1988	2029	2105
Diameter without insulation d/ with insulation D	mm	651/ 823	790/ 962	790/ 962	997/ 1169	1196/ 1368
Nominal volume	l	514	638	752	1245	1858
Weight	kg	138	172	187	270	350
Tilt diagonal R	mm	1968	1791	2034	2099	2199

KHT HPh-C-20 GP-PS

SERIES Buffer tanks with 2 AISI 316L stainless steel coils in removable insulation

Technical data	Unit	Nominal volume				
		500	800	1000	1500	2000
Connection ports h1	"/mm	6/4 / 242	6/4 / 272	6/4 / 277	6/4 / 295	6/4 / 340
Connection ports h2	"/mm	6/4 / 705	6/4 / 655	6/4 / 740	6/4 / 758	6/4 / 803
Connection ports h3	"/mm	6/4 / 1169	6/4 / 1039	6/4 / 1204	6/4 / 1222	6/4 / 1267
Connection ports h4	"/mm	6/4 / 1632	6/4 / 1422	6/4 / 1667	6/4 / 1685	6/4 / 1730
Sensor bushing temperature	"	1/2				
Connection ports/ vent port h5	"/mm	5/4 / 1931	5/4 / 1736	5/4 / 1986	5/4 / 2027	5/4 / 2104
DHW coil water outlet h4	"/mm	5/4 / 1632	5/4 / 1422	5/4 / 1667	5/4 / 1685	5/4 / 1730
Cold water supply to DHW coil h1	"/mm	5/4 / 242	5/4 / 272	5/4 / 277	5/4 / 295	5/4 / 340
HP coil water outlet h14	"/mm	5/4 / 1512	5/4 / 1302	5/4 / 1547	5/4 / 1565	5/4 / 1610
Cold water supply to HP coil h13	"/mm	5/4 / 362	5/4 / 392	5/4 / 397	5/4 / 415	5/4 / 460
Connection ports h7	"/mm	6/4 / 474	6/4 / 464	6/4 / 509	6/4 / 527	6/4 / 572
Connection ports h8	"/mm	6/4 / 937	6/4 / 847	6/4 / 972	6/4 / 990	6/4 / 1035
Electric heating element connection h9	"/mm	6/4 / 1037	6/4 / 922	6/4 / 1047	6/4 / 1115	6/4 / 1160
Connection ports h10	"/mm	6/4 / 1400	6/4 / 1230	6/4 / 1435	6/4 / 1453	6/4 / 1498
Drain port h11	"/mm	3/4 / 156	3/4 / 191	3/4 / 191	3/4 / 209	3/4 / 254
Heat exchanger operating pressure	MPa	0,6	0,4			
DHW coil surface	m ²	5	6	7,8	8	8
DHW coil volume	l	15,8	23	30	30,7	30,7
HP coil surface	m ²	5	6	7,8	8	8
HP coil volume	l	15,8	23	30	30,7	30,7
Tank operating pressure	MPa	0,3				
Height H	mm	1933	1738	1988	2029	2105
Diameter without insulation d/ with insulation D	mm	651/ 823	790/ 962	790/ 962	997/ 1169	1196/ 1368
Nominal volume	l	522	675	781	1298	1916
Weight	kg	97	109	125	168	222
Tilt diagonal R	mm	1968	1791	2034	2099	2199

PS buffer tanks are designed for use in heating systems. They are closed vessels, capable of operating with an internal medium overpressure of up to 0.3 MPa, made of carbon steel without an inner coating. The buffer tanks can be made in 3 versions - models: PS-00, PS-01, PS-02.

A special feature of this series of buffer storage tanks is the positioning of the system connection ports at an angle of 90°, which enables optimum installation of the tank in the boiler room.

Designation KHT PS-B-0Y-V-GP-PU KHT PS-C-0Y-V-GP-PS

PS – series
B, C – energy class
Y – number of steel heat exchangers
V – typical size
GP - grey insulation
PU – polyurethane rigid foam insulation
PS – removable insulation

MODEL PS-01

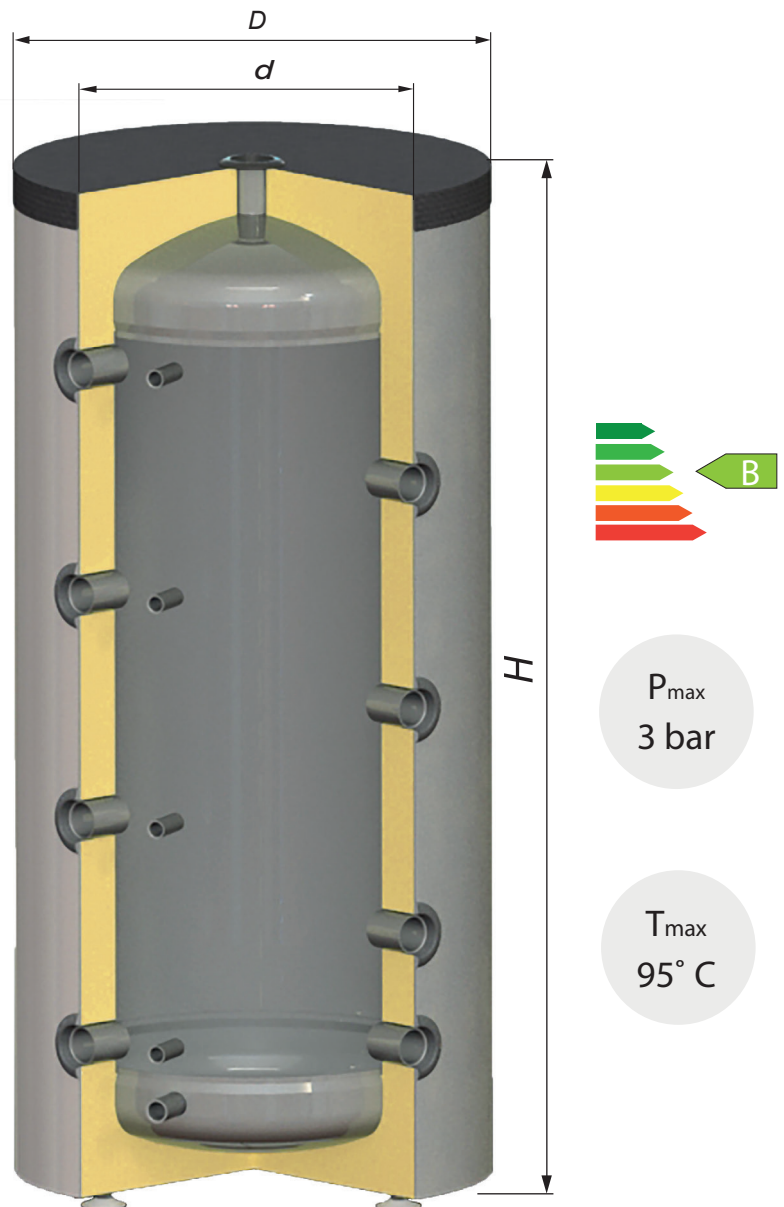
Buffer tank with heat exchanger made of carbon steel.

- possibility of connecting solar panels, heat pumps and other energy sources;

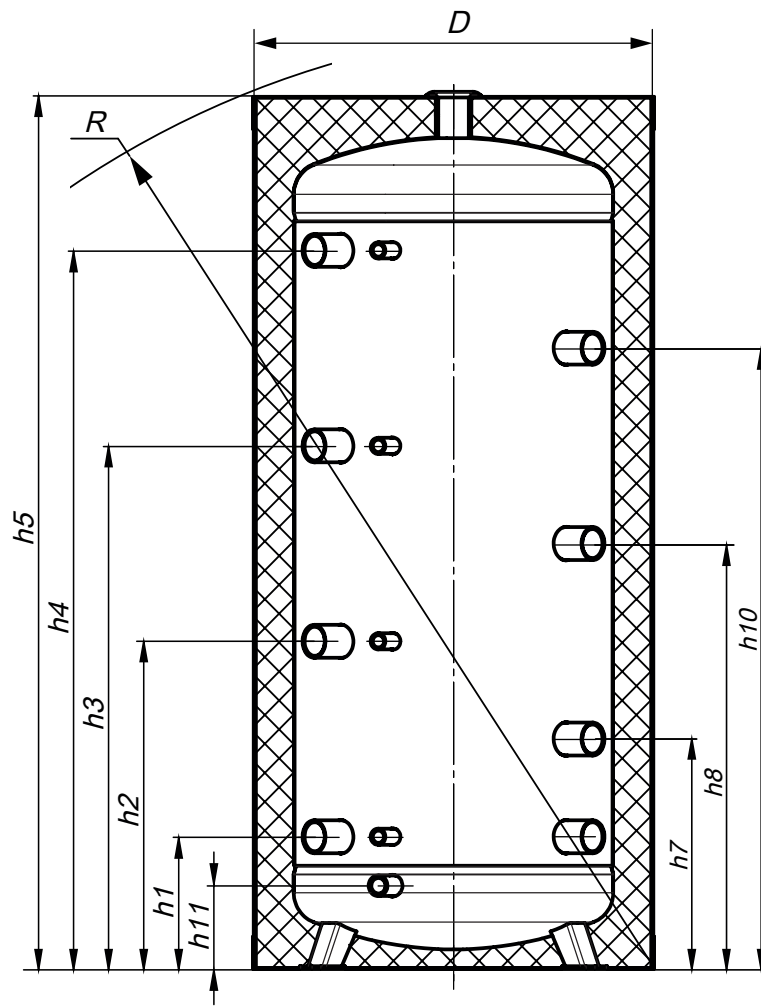
MODEL PS-02

Buffer tank with two built-in heat exchangers made of carbon steel.

- possibility of connecting solar panels, heat pumps and other energy sources;
- The upper heat exchanger can be connected to the cold water system to prevent overheating of inert energy sources;

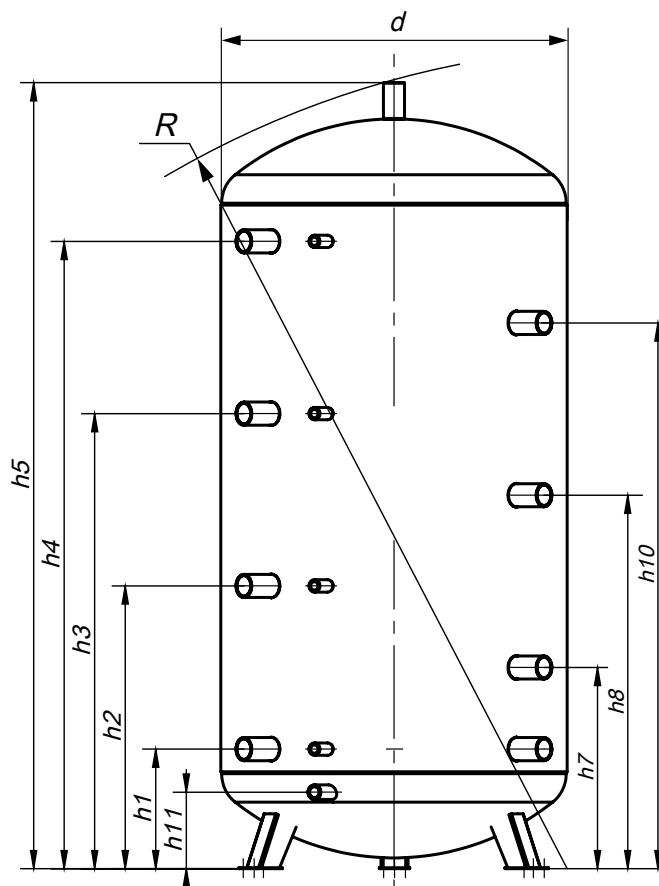


KHT PS-B-00 GP-PU
SERIES Buffer tanks without coils in rigid insulation



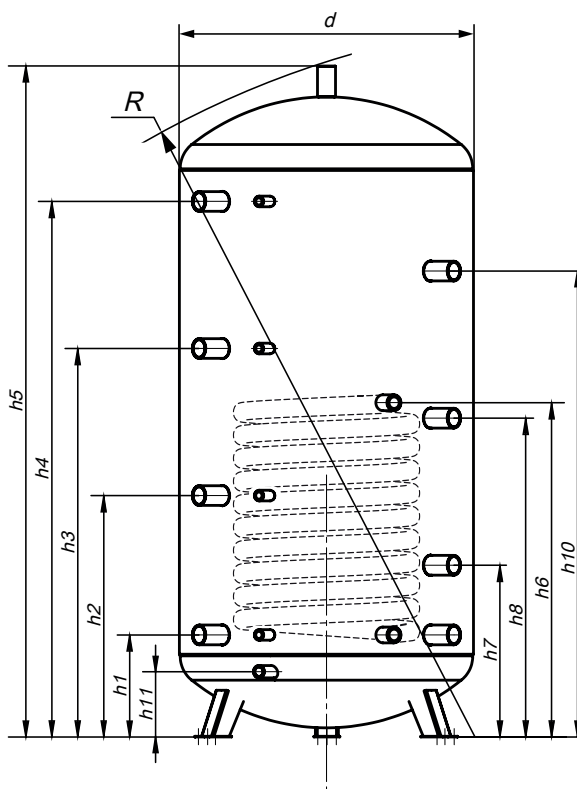
Technical data	Unit	Nominal volume		
		200	300	400
Connection ports h1	" /mm	6/4 / 212	6/4 / 231	6/4 / 236
Connection ports h2	" /mm	6/4 / 516	6/4 / 534	6/4 / 619
Connection ports h3	" /mm	6/4 / 819	6/4 / 837	6/4 / 1002
Connection ports h4	" /mm	6/4 / 1122	6/4 / 1141	6/4 / 1386
Sensor bushing temperature	"	1/2		
Connection ports/ vent port h5	" /mm	5/4 / 1360	5/4 / 1396	5/4 / 1646
Connection ports h7	" /mm	6/4 / 364	6/4 / 382	6/4 / 427
Connection ports h8	" /mm	6/4 / 667	6/4 / 686	6/4 / 811
Connection ports h10	" /mm	6/4 / 971	6/4 / 989	6/4 / 1194
Drain port h11	" /mm	3/4 / 136	3/4 / 155	3/4 / 155
Tank operating pressure	MPa	0,3		
Height H	mm	1369	1405	1655
Diameter without insulation d	mm	502	603	603
Diameter with insulation D	mm	634	732	732
Volume	l	232	338	408
Weight	kg	43	53	60
Tilt diagonal R	mm	1501	1576	1802

KHT PS-C-00 GP-PS SERIES Buffer tanks without coils in removable insulation



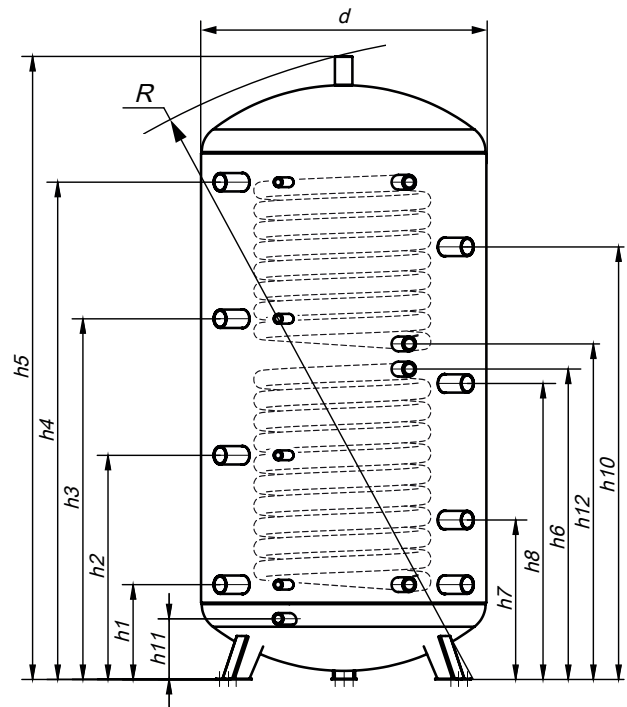
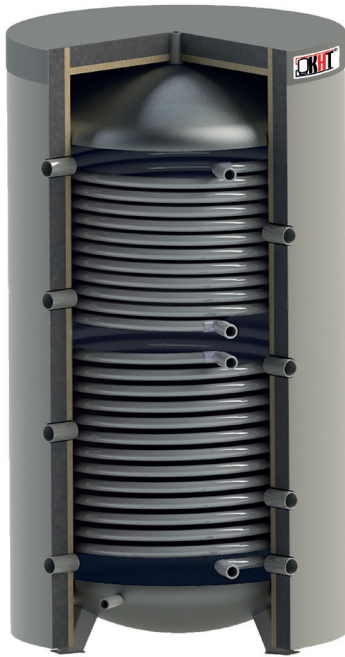
Technical data	Unit	Nominal volume							
		200	300	400	500	800	1000	1500	2000
Connection ports h1	" / mm	6/4 / 204	6/4 / 222	6/4 / 227	6/4 / 242	6/4 / 272	6/4 / 277	6/4 / 295	6/4 / 340
Connection ports h2	" / mm	6/4 / 507	6/4 / 525	6/4 / 610	6/4 / 705	6/4 / 655	6/4 / 740	6/4 / 758	6/4 / 803
Connection ports h3	" / mm	6/4 / 811	6/4 / 829	6/4 / 994	6/4 / 1169	6/4 / 1039	6/4 / 1204	6/4 / 1222	6/4 / 1267
Connection ports h4	" / mm	6/4 / 1114	6/4 / 1132	6/4 / 1377	6/4 / 1632	6/4 / 1422	6/4 / 1667	6/4 / 1685	6/4 / 1730
Sensor bushing temperatury	"	1/2							
Connection ports/ vent port h5	" / mm	5/4 / 1378	5/4 / 1414	5/4 / 1664	5/4 / 1931	5/4 / 1736	5/4 / 1986	5/4 / 2027	5/4 / 2104
Connection ports h7	" / mm	6/4 / 356	6/4 / 374	6/4 / 419	6/4 / 474	6/4 / 464	6/4 / 509	6/4 / 527	6/4 / 572
Connection ports h8	" / mm	6/4 / 659	6/4 / 677	6/4 / 802	6/4 / 937	6/4 / 847	6/4 / 972	6/4 / 990	6/4 / 1035
Connection ports h10	" / mm	6/4 / 962	6/4 / 980	6/4 / 1185	6/4 / 1400	6/4 / 1230	6/4 / 1435	6/4 / 1453	6/4 / 1498
Drain port h11	" / mm	3/4 / 128	3/4 / 146	3/4 / 147	3/4 / 156	3/4 / 191	3/4 / 191	3/4 / 209	3/4 / 254
Tank operating pressure	MPa	0,3							
Height H	mm	1380	1416	1666	1933	1738	1988	2029	2105
Diameter without insulation d	mm	502	603	603	651	790	790	997	1196
Diameter with insulation D	mm	674	775	775	823	962	962	1169	1368
Nominal volume	l	232	338	408	555	722	843	1361	1979
Weight	kg	42	51	56	69	77	86	128	181
Tilt diagonal R	mm	1409	1455	1699	1968	1791	2034	2099	2199

KHT PS-C-01 GP-PS SERIES Buffer tanks with 1 coil in removable insulation



Technical data	Unit	Nominal volume							
		200	300	400	500	800	1000	1500	2000
Connection ports h1	"/ mm	6/4 / 204	6/4 / 222	6/4 / 227	6/4 / 242	6/4 / 272	6/4 / 277	6/4 / 295	6/4 / 340
Connection ports h2	"/ mm	6/4 / 507	6/4 / 525	6/4 / 610	6/4 / 705	6/4 / 655	6/4 / 740	6/4 / 758	6/4 / 803
Connection ports h3	"/ mm	6/4 / 811	6/4 / 829	6/4 / 994	6/4 / 1169	6/4 / 1039	6/4 / 1204	6/4 / 1222	6/4 / 1267
Connection ports h4	"/ mm	6/4 / 1114	6/4 / 1132	6/4 / 1377	6/4 / 1632	6/4 / 1422	6/4 / 1667	6/4 / 1685	6/4 / 1730
Sensor bushing temperature	"	1/2							
Connection ports/ vent port h5	"/ mm	5/4 / 1378	5/4 / 1414	5/4 / 1664	5/4 / 1931	5/4 / 1736	5/4 / 1986	5/4 / 2027	5/4 / 2104
Lower coil return h1	"/ mm	1 / 204	1 / 222	1 / 227	1 / 242	5/4 / 272	5/4 / 277	5/4 / 295	5/4 / 340
Lower coil supply h6	"/ mm	1 / 604	1 / 622	1 / 827	1 / 842	5/4 / 872	5/4 / 877	5/4 / 1045	5/4 / 1090
Connection ports h7	"/ mm	6/4 / 356	6/4 / 374	6/4 / 419	6/4 / 474	6/4 / 464	6/4 / 509	6/4 / 527	6/4 / 572
Connection ports h8	"/ mm	6/4 / 659	6/4 / 677	6/4 / 802	6/4 / 937	6/4 / 847	6/4 / 972	6/4 / 990	6/4 / 1035
Connection ports h10	"/ mm	6/4 / 962	6/4 / 980	6/4 / 1185	6/4 / 1400	6/4 / 1230	6/4 / 1435	6/4 / 1453	6/4 / 1498
Drain port h11	"/ mm	3/4 / 128	3/4 / 146	3/4 / 147	3/4 / 156	3/4 / 191	3/4 / 191	3/4 / 209	3/4 / 254
Heat exchanger operating pressure	MPa	0,6							
Lower coil surface	m ²	1,2	1,2	1,8	1,8	3,2	3,2	4,7	4,7
Lower coil volume	l	7,4	7,4	11,2	11,2	29,5	29,5	42	42
Tank operating pressure	MPa	0,3							
Height H	mm	1380	1416	1666	1933	1738	1988	2029	2105
Diameter without insulation d/ with insulation D	mm	502/ 674	603/ 775	603/ 775	651/ 823	790/ 962	790/ 962	997/ 1169	1196/ 1368
Nominal volume	l	223	329	394	541	688	809	1311	1929
Weight	kg	58	67	82	94	127	138	212	247
Tilt diagonal R	mm	1409	1455	1699	1968	1791	2034	2099	2199

KHT PS-C-02 GP-PS SERIES Buffer tanks with 2 coils in removable insulation



Technical data	Unit	Nominal volume				
		500	800	1000	1500	2000
Connection ports h1	"/mm	6/4 / 242	6/4 / 272	6/4 / 277	6/4 / 295	6/4 / 340
Connection ports h2	"/mm	6/4 / 705	6/4 / 655	6/4 / 740	6/4 / 758	6/4 / 803
Connection ports h3	"/mm	6/4 / 1169	6/4 / 1039	6/4 / 1204	6/4 / 1222	6/4 / 1267
Connection ports h4	"/mm	6/4 / 1632	6/4 / 1422	6/4 / 1667	6/4 / 1685	6/4 / 1730
Sensor bushing temperatury	"	1/2				
Connection ports/ vent port h5	"/mm	5/4 / 1931	5/4 / 1736	5/4 / 1986	5/4 / 2027	5/4 / 2104
Upper coil return h12	"/mm	1 / 1232	5/4 / 972	5/4 / 1217	5/4 / 1185	5/4 / 1230
Upper coil supply h4	"/mm	1 / 1632	5/4 / 1422	5/4 / 1667	5/4 / 1685	5/4 / 1730
Lower coil return h1	"/mm	1 / 242	5/4 / 272	5/4 / 277	5/4 / 295	5/4 / 340
Lower coil supply h6	"/mm	1 / 842	5/4 / 872	5/4 / 877	5/4 / 1045	5/4 / 1090
Connection ports h7	"/mm	6/4 / 474	6/4 / 464	6/4 / 509	6/4 / 527	6/4 / 572
Connection ports h8	"/mm	6/4 / 937	6/4 / 847	6/4 / 972	6/4 / 990	6/4 / 1035
Connection ports h10	"/mm	6/4 / 1400	6/4 / 1230	6/4 / 1435	6/4 / 1453	6/4 / 1498
Drain port h11	"/mm	3/4 / 156	3/4 / 191	3/4 / 191	3/4 / 209	3/4 / 254
Heat exchanger operating pressure	MPa	0,6				
Upper coil surface	m ²	1,2	2,4	2,4	3,2	3,2
Upper coil volume	l	8	22	22	29,5	29,5
Lower coil surface	m ²	1,8	3,2	3,2	4,7	4,7
Lower coil volume	l	11,2	29,5	29,5	42	42
Tank operating pressure	MPa	0,3				
Height H	mm	1933	1738	1988	2029	2105
Diameter without insulation d/ with insulation D	mm	651/ 823	790/ 962	790/ 962	997/ 1169	1196/ 1368
Nominal volume	l	531	662	783	1277	1890
Weight	kg	122	154	165	248	328
Tilt diagonal R	mm	1968	1791	2034	2099	2199

PSI series buffer tanks have a built-in GW stainless steel upper heat exchanger, whose main purpose is to produce hot water for domestic use. They can work with different energy sources together, in particular: solid fuel boilers, electric boilers, solar collectors, heat pumps, etc. The power of the heat exchanger, made of corrugated AISI 316L stainless steel with a thickness of 0.2 mm, ensures that 2 to 10 "points" of domestic hot water consumption can be provided simultaneously. In addition, the buffer tanks can be equipped with a bottom heat exchanger made of carbon steel.

Designation KHT PSI-C-XY-V-GP-PS

PSI – series

C – energy class

X – number of upper heat exchangers

Y – number of lower heat exchangers

V – typical size

GP - grey insulation

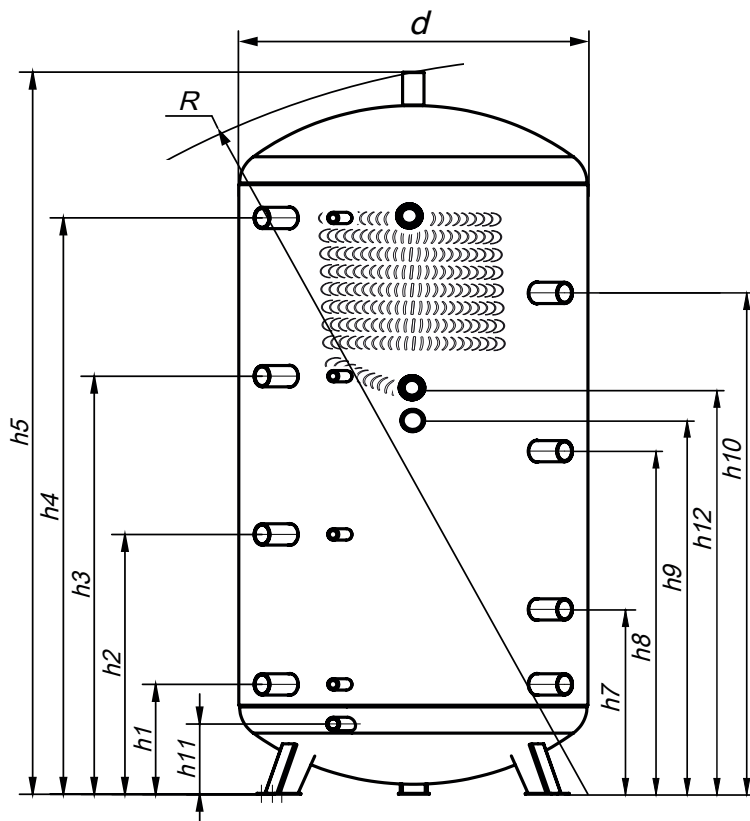
PS – removable insulation

Advantages:

- the possibility of connecting to different energy sources;
- buffer tanks are manufactured with volumes ranging from 200 to 2,000 litres to supply hot water for domestic and commercial use;
- functions as a heater (DHW);
- "hygienic" hot water heating system prevents the growth of dangerous Legionella bacteria;
- the use of a heat exchanger made of corrugated tube eliminates the formation of limescale;
- possibility of connecting an electric heating element.



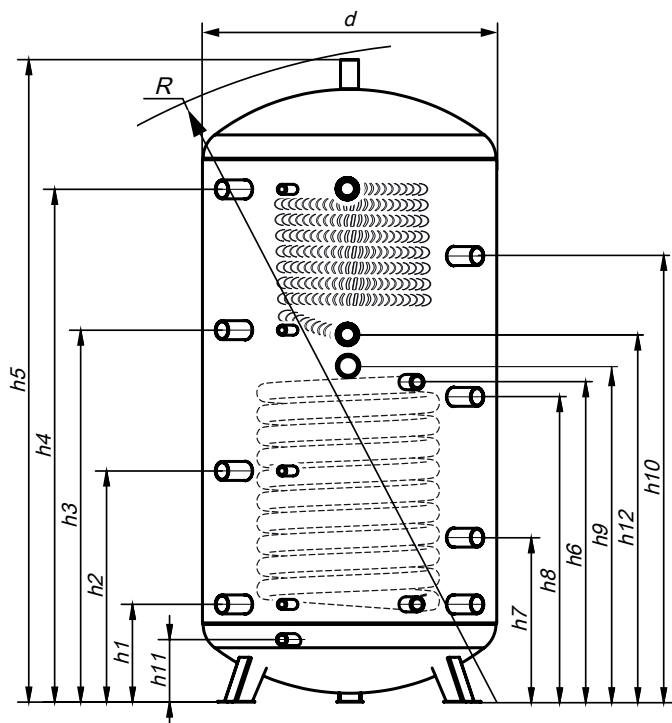
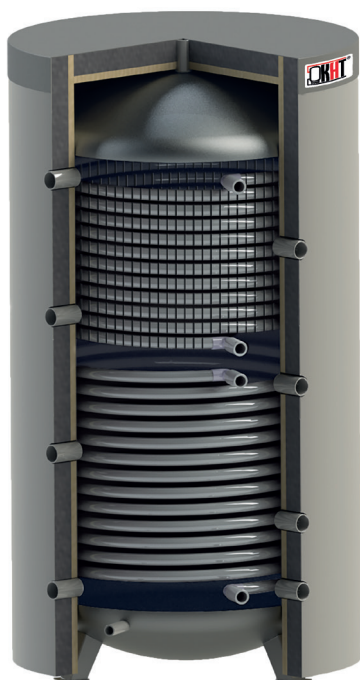
KHT PSI-C-10 GP-PS SERIES Buffer tanks with AISI 316L stainless steel upper coil



Technical data	Unit	Nominal volume							
		200	300	400	500	800	1000	1500	2000
Connection ports h1	"/ mm	6/4 / 204	6/4 / 222	6/4 / 227	6/4 / 242	6/4 / 272	6/4 / 277	6/4 / 295	6/4 / 340
Connection ports h2	"/ mm	6/4 / 507	6/4 / 525	6/4 / 610	6/4 / 705	6/4 / 655	6/4 / 740	6/4 / 758	6/4 / 803
Connection ports h3	"/ mm	6/4 / 811	6/4 / 829	6/4 / 994	6/4 / 1169	6/4 / 1039	6/4 / 1204	6/4 / 1222	6/4 / 1267
Connection ports h4	"/ mm	6/4 / 1114	6/4 / 1132	6/4 / 1377	6/4 / 1632	6/4 / 1422	6/4 / 1667	6/4 / 1685	6/4 / 1730
Sensor bushing temperatury	"	1/2							
Connection ports/ vent port h5	"/ mm	5/4 / 1378	5/4 / 1414	5/4 / 1664	5/4 / 1931	5/4 / 1736	5/4 / 1986	5/4 / 2027	5/4 / 2104
DHW upper coil supply h12	"/ mm	1 / 764	1 / 782	1 / 1027	1 / 1282	1 / 1072	1 / 1317	1 / 1335	1 / 1380
DHW upper coil return h4	"/ mm	1 / 1114	1 / 1132	1 / 1377	1 / 1632	1 / 1422	1 / 1667	1 / 1685	1 / 1730
Connection ports h7	"/ mm	6/4 / 356	6/4 / 374	6/4 / 419	6/4 / 474	6/4 / 464	6/4 / 509	6/4 / 527	6/4 / 572
Connection ports h8	"/ mm	6/4 / 659	6/4 / 677	6/4 / 802	6/4 / 937	6/4 / 847	6/4 / 972	6/4 / 990	6/4 / 1035
Electric heating element connection h9	" / mm	6/4 / 664	6/4 / 682	6/4 / 927	6/4 / 1062	6/4 / 972	6/4 / 1097	6/4 / 1190	6/4 / 1235
Connection ports h10	"/ mm	6/4 / 962	6/4 / 980	6/4 / 1185	6/4 / 1400	6/4 / 1230	6/4 / 1435	6/4 / 1453	6/4 / 1498
Drain port h11	"/ mm	3/4 / 128	3/4 / 146	3/4 / 147	3/4 / 156	3/4 / 191	3/4 / 191	3/4 / 209	3/4 / 254
Heat exchanger operating pressure	MPa	0,6				0,4			
DHW coil surface	m²	2							
DHW coil volume	l	6,5							
Tank operating pressure	MPa	0,3							
Height H	mm	1380	1416	1666	1933	1738	1988	2029	2105
Diameter without insulation d/ with insulation D	mm	502/674	603/775	603/775	651/823	790/962	790/962	997/1169	1196/1368
Nominal volume	l	225	331	401	547	715	836	1355	1972
Weight	kg	48	56	63	75	83	92	134	188
Tilt diagonal R	mm	1409	1455	1699	1968	1791	2034	2099	2199

KHT PSI-C-11 GP-PS

SERIES Buffer tanks with AISI 316L stainless steel upper coil and carbon steel lower coil



Technical data	Unit	Nominal volume							
		200	300	400	500	800	1000	1500	2000
Connection ports h1	"/ mm	6/4 / 204	6/4 / 222	6/4 / 227	6/4 / 242	6/4 / 272	6/4 / 277	6/4 / 295	6/4 / 340
Connection ports h2	"/ mm	6/4 / 507	6/4 / 525	6/4 / 610	6/4 / 705	6/4 / 655	6/4 / 740	6/4 / 758	6/4 / 803
Connection ports h3	"/ mm	6/4 / 811	6/4 / 829	6/4 / 994	6/4 / 1169	6/4 / 1039	6/4 / 1204	6/4 / 1222	6/4 / 1267
Connection ports h4	"/ mm	6/4 / 1114	6/4 / 1132	6/4 / 1377	6/4 / 1632	6/4 / 1422	6/4 / 1667	6/4 / 1685	6/4 / 1730
Sensor bushing temperature	"	1/2							
Connection ports/ vent port h5	"/ mm	5/4 / 1378	5/4 / 1414	5/4 / 1664	5/4 / 1931	5/4 / 1736	5/4 / 1986	5/4 / 2027	5/4 / 2104
DHW upper coil supply h12	"/ mm	1 / 764	1 / 782	1 / 1027	1 / 1282	1 / 1072	1 / 1317	1 / 1335	1 / 1380
DHW upper coil return h4	"/ mm	1 / 1114	1 / 1132	1 / 1377	1 / 1632	1 / 1422	1 / 1667	1 / 1685	1 / 1730
Lower coil return h1	"/ mm	1 / 204	1 / 222	1 / 227	1 / 242	5/4 / 272	5/4 / 277	5/4 / 295	5/4 / 340
Lower coil supply h6	"/ mm	1 / 604	1 / 622	1 / 827	1 / 842	5/4 / 872	5/4 / 877	5/4 / 1045	5/4 / 1090
Connection ports h7	"/ mm	6/4 / 356	6/4 / 374	6/4 / 419	6/4 / 474	6/4 / 464	6/4 / 509	6/4 / 527	6/4 / 572
Connection ports h8	"/ mm	6/4 / 659	6/4 / 677	6/4 / 802	6/4 / 937	6/4 / 847	6/4 / 972	6/4 / 990	6/4 / 1035
Electric heating element connection h9	" / mm	6/4 / 664	6/4 / 682	6/4 / 927	6/4 / 1062	6/4 / 972	6/4 / 1097	6/4 / 1190	6/4 / 1235
Connection ports h10	"/ mm	6/4 / 962	6/4 / 980	6/4 / 1185	6/4 / 1400	6/4 / 1230	6/4 / 1435	6/4 / 1453	6/4 / 1498
Drain port h11	"/ mm	3/4 / 128	3/4 / 146	3/4 / 147	3/4 / 156	3/4 / 191	3/4 / 191	3/4 / 209	3/4 / 254
Heat exchanger operating pressure	MPa	0,6							
DHW coil surface	m ²	2							
DHW coil volume	l	6,5							
Lower coil surface	m ²	1,2	1,2	1,8	1,8	3,2	3,2	4,7	4,7
Lower coil volume	l	7,4	7,4	11,2	11,2	29,5	29,5	42	42
Tank operating pressure	MPa	0,3							
Height H	mm	1380	1416	1666	1933	1738	1988	2029	2105
Diameter without insulation d/ with insulation D	mm	502/674	603/775	603/775	651/823	790/962	790/962	997/1169	1196/1368
Nominal volume	l	216	322	387	534	681	802	1304	1922
Weight	kg	65	72	88	101	134	145	219	255
Tilt diagonal R	mm	1409	1455	1699	1968	1791	2034	2099	2199

EAM buffer tanks are designed for use in heating systems. They are closed vessels, capable of operating with a medium overpressure of up to 0.3 MPa, made of carbon steel without an inner coating.

The thermal insulation is made of 80 mm thick soft polyurethane foam. All ports have internal threads.

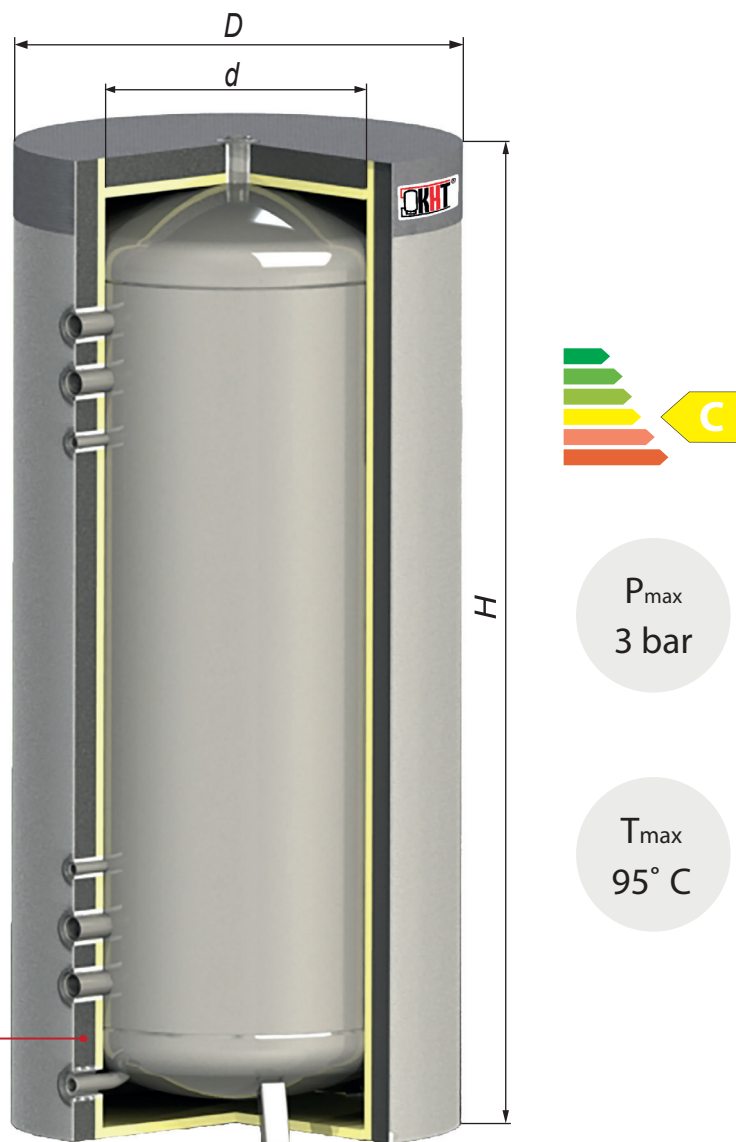
Designation KHT EAM-C-00-V-GP-PS

EAM – series
C – energy class
V – typical size
GP - grey insulation
PS – removable insulation

Advantages:

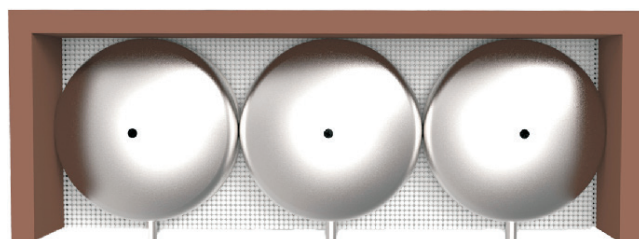
- simplicity of the model;
- ports are aligned vertically;
- possibility of connecting to different energy sources;
- can be used in open and closed systems.

High-performance composite removable thermal insulation 80 mm

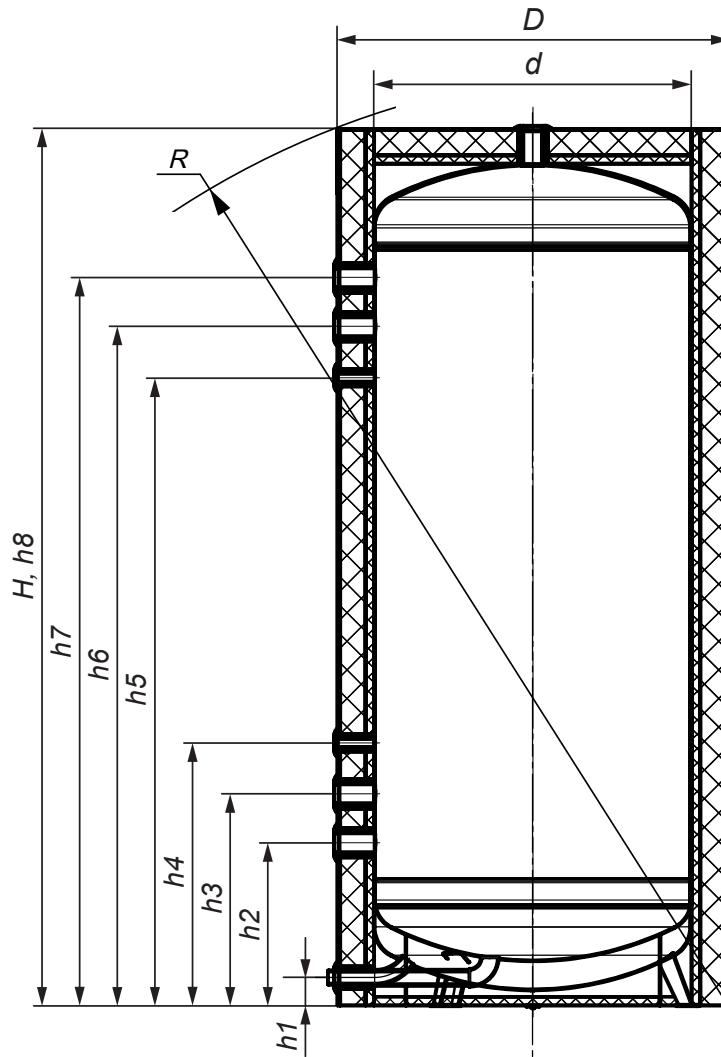


Advantages:

A special feature of the buffer tanks in this series is that all outlets are located on one side. This feature allows the tanks to be combined in a cascade, which is very important for achieving the required discharge volume when it is not possible to install one large tank.



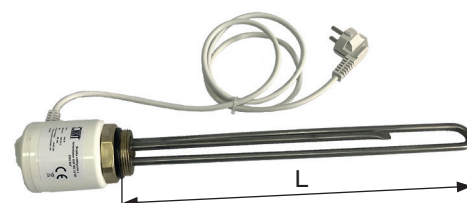
KHT EAM-C-00 GP-PS SERIES



Technical data	Unit	Nominal volume							
		200	300	400	500	750	1000	1500	2000
Connection ports h1	" / mm	1 / 49	1 / 67	1 / 67	1 / 67	1 / 114	1 / 117	1 / 130	1 / 175
Connection ports h2	" / mm	6/4 / 249	6/4 / 267	6/4 / 267	6/4 / 267	6/4 / 314	6/4 / 317	6/4 / 330	6/4 / 375
Connection ports h3	" / mm	6/4 / 364	6/4 / 382	6/4 / 382	6/4 / 382	6/4 / 429	6/4 / 432	6/4 / 445	6/4 / 490
Connection ports h4	" / mm	1/2 / 484	1/2 / 502	1/2 / 502	1/2 / 502	1/2 / 549	1/2 / 552	1/2 / 565	1/2 / 610
Connection ports/ vent port h5	" / mm	1/2 / 844	1/2 / 862	1/2 / 1112	1/2 / 1362	1/2 / 1409	1/2 / 1412	1/2 / 1425	1/2 / 1470
Sensor bushing temperatury h6	" / mm	6/4 / 964	6/4 / 982	6/4 / 1232	6/4 / 1482	6/4 / 1529	6/4 / 1532	6/4 / 1545	6/4 / 1590
Connection ports h7	" / mm	6/4 / 1079	6/4 / 1097	6/4 / 1347	6/4 / 1597	6/4 / 1644	6/4 / 1647	6/4 / 1660	6/4 / 1705
Connection ports h8	" / mm	6/4 / 1378	6/4 / 1414	6/4 / 1664	6/4 / 1914	6/4 / 1986	6/4 / 1991	6/4 / 2027	6/4 / 2104
Tank operating pressure	MPa	0,3							
Height H	mm	1380	1416	1666	1916	1988	1993	2029	2106
Diameter without insulation d/ with insulation D	mm	502/ 674	603/775	603/775	603/775	747/919	850/1022	997/1169	1196/1368
Nominal volume	l	232	338	408	478	748	968	1361	1979
Weight	kg	40	49	55	62	79	91	126	179
Tilt diagonal R	mm	1409	1455	1699	1968	2030	2034	2099	2199

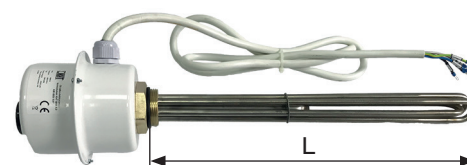
Electric heating element with thermostat KHT RS

Model	Power, kW	Voltage, V	Temperature regulation range, °C	Threaded connection, inch	Immersion length L, mm	Weight, kg
KHT RS 1,8 kW 230V 6/4"	1,8	230	23-75	6/4"	385	0,672
KHT RS 2,0 kW 230V 5/4"	2,0	230	23-75	5/4"	416	0,631
KHT RS 2,0 kW 230V 6/4"	2,0	230	23-75	6/4"	412	0,678
KHT RS 3,0 kW 230V 5/4"	3,0	230	23-75	5/4"	355	0,760
KHT RS 3,0 kW 230V 6/4"	3,0	230	23-75	6/4"	351	0,812



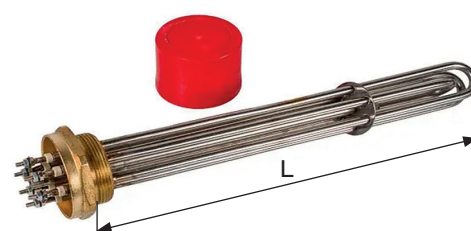
Electric heating element with thermostat KHT BNR

Model	Power, kW	Voltage, V	Temperature regulation range, °C	Threaded connection, inch	Immersion length L, mm	Weight, kg
KHT BNR 4,5 kW 400V 6/4"	4,5	400	0-75 (±5)	6/4"	356	0,691
KHT BNR 6,0 kW 400V 6/4"	6,0	400	0-75 (±5)	6/4"	442	0,828
KHT BNR 9,0 kW 400V 6/4"	9,0	400	0-75 (±5)	6/4"	621	0,938
KHT BNR 12,0 kW 400V 6/4"	12,0	400	0-75 (±5)	6/4"	665	0,957



Electric heating element without thermostat KHT BE

Model	Power, kW	Voltage, V	Threaded connection, inch	Immersion length L, mm
KHT BE 6 kW 400V 6/4"	6,0	400	6/4	442
KHT BE 9 kW 400V 6/4"	9,0	400	6/4	621



KHT heating element housing

Model	Overall dimensions LxØ, mm	Operating pressure, bar	Volume, l	Connections, inch	Insulation thickness, mm	Weight netto, kg
KHT OGI 50 heating element housing	497x100	6	8,66	IG 6/4	20	2,6

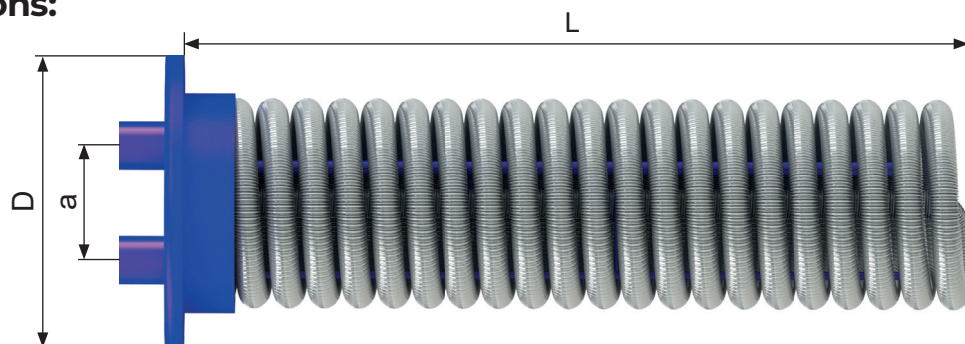


BLOCK HEAT EXCHANGERS TB

The TB block heat exchanger is designed for connecting heat supply sources or consumers to buffer tanks to which another heat source is connected and for connecting several heat sources operating at different pressures. It is installed using the DU 210 flange. The coil of the TB block heat exchanger is made of AISI 304 chrome-nickel steel. The sealing material is EPDM rubber. The maximum operating temperature is up to 100°C.

Heat exchanger designations:

TB L/d
TB – model
L – length
d – diameter DU of the corrugated tube



Technical data for TB series heat exchangers

Technical data	Unit	Model	
		TB 600/ 25	TB 600/ 32
Heat exchange surface area	m ²	1,40	1,78
Length L	mm	600	
Flange diameter D	mm	315	
Distance between ports a	mm	100	
Port connection	inch	1	

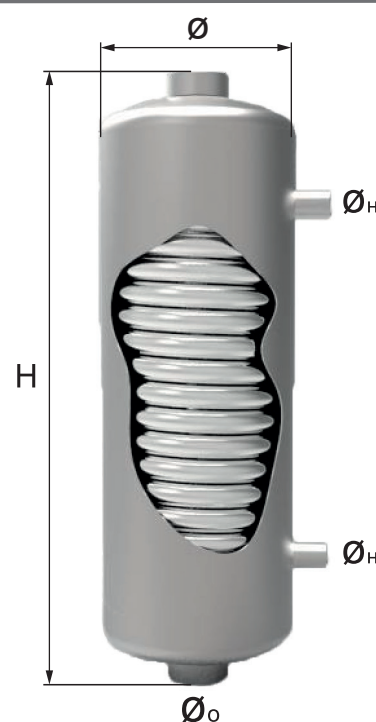
BLOCK HEAT EXCHANGERS TC

The TC heat exchanger is designed for use with buffer tanks of all types.

It can be used to connect two systems operating at different pressures.

The heat exchanger works with efficiency thanks to forced circulation.

Model	V	Vwc, l	M,kg	H,mm	S,m ²	ø,mm	øo,inch	øH,inch
TC-8,5	18,6	3,6	9,7	696	1,12	220	2	1/2



The type TU block exchanger is designed for the connection of heat supply or take-off sources to buffer tanks and water heaters. The heat exchange surface is made of AISI 304 chrome-nickel steel approved for food contact. TU transmitters are manufactured in lengths of up to 2 m. The sealing material is EPDM rubber.

Designation of heat exchangers

TUx – S

TU – model

x – standard size, x=1 (DU 120), 2 (DU 220), 4 (DU 350)

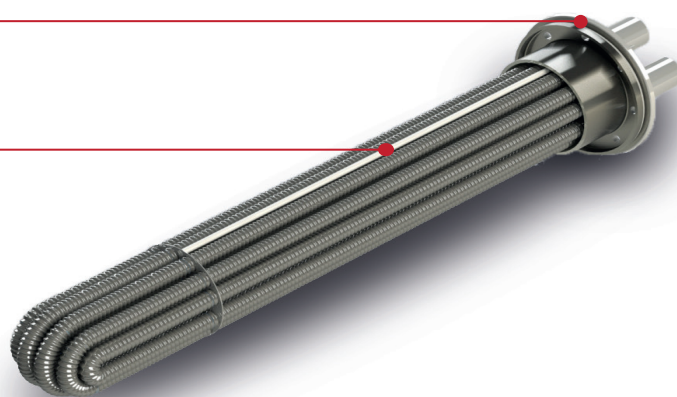
S – heat exchange surface area

EPDM rubber seals

Heat exchangers in AISI-304 stainless steel

Maximum operating temperature 100° C

Operating pressure 0,6 MPa



Technical data for TU2 series heat exchangers

Technical data	Unit	Model						
		1,8	2,1	2,5	2,9	3,4	4,0	4,7
Heat exchange surface area	m²	1,75	2,05	2,54	2,87	3,36	4,01	4,67
Length L	mm	620	720	850	990	1150	1350	1580
Flange diameter D	mm	312						
Distance between ports a	mm	123						
Port connection	inch	5/4						
Distance between ports d	mm	220						

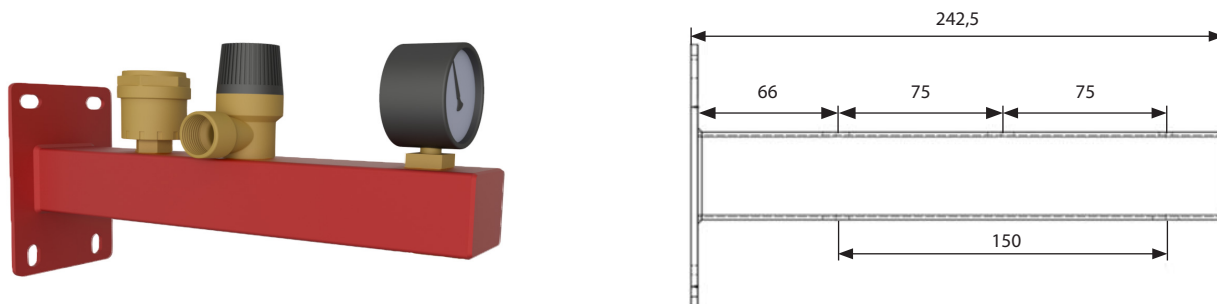
Technical data for TU4 series heat exchangers

Technical data	Unit	Model							
		3,6	4,3	5,4	6,1	7,1	8,6	10,0	10,5
Heat exchange surface area	m ²	3,64	4,28	5,35	6,06	7,13	8,56	9,98	10,5
Length L	mm	600	700	850	950	1090	1300	1500	1560
Flange diameter D	mm	442							
Distance between ports a	mm	200							
Port connection	inch	2							
Distance between ports d	mm	360							

HW SERIES SAFETY GROUPS

Safety groups are used in closed heating installations and are intended to protect them from exceeding the maximum permissible operating pressure and from spontaneous venting. A beam with holes for further mounting of protective elements (pressure gauge, safety valve and air vent) can be sold separately.

Complete safety group

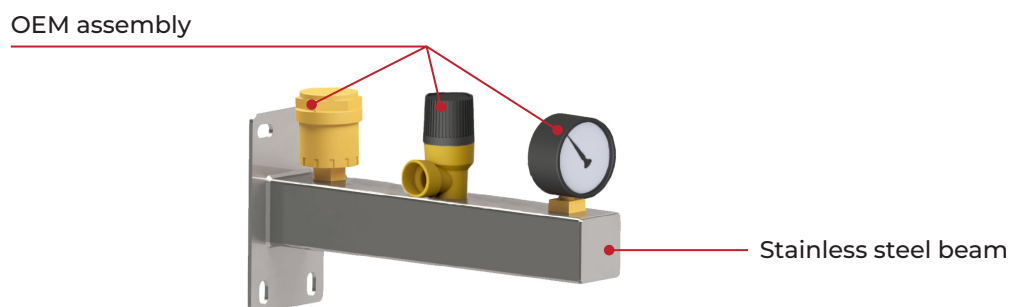


Safety group beams are made of steel

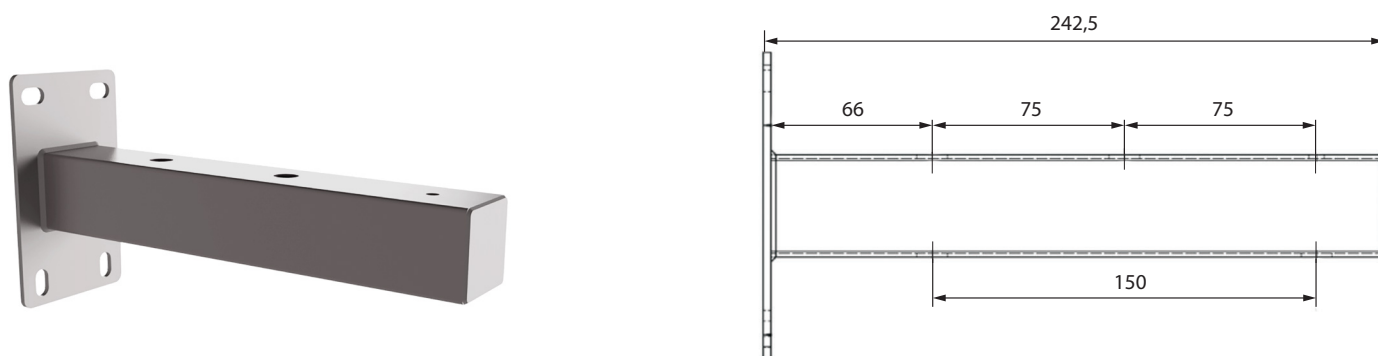


HW SERIES STAINLESS STEEL SAFETY GROUPS

Safety group complete in stainless steel



Stainless steel safety group beams

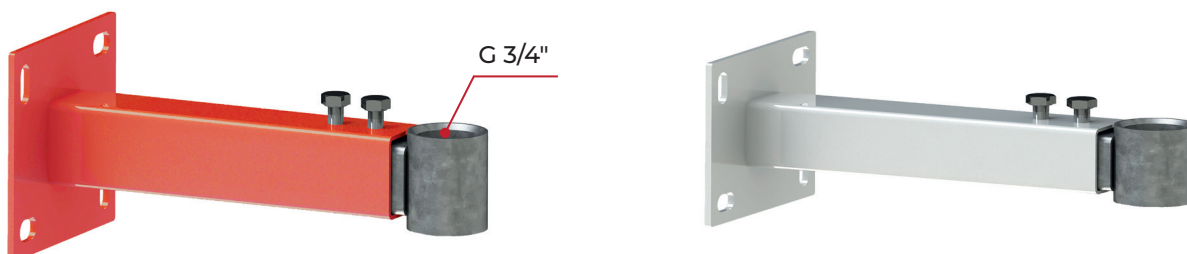


Expansion vessel telescopic mount



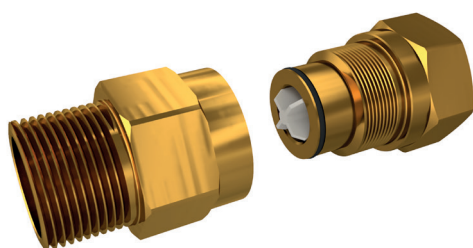
Adjustable length 145-245 mm

Expansion vessel telescopic mount, reinforced



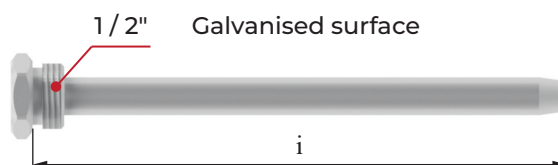
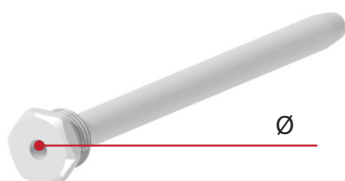
Adjustable length 165-270 mm

Quick fitting EVC 3/4x3/4



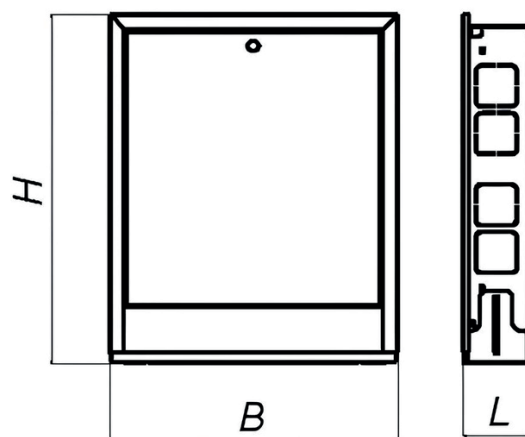
The EVC (expansion vessel connector) quick fitting is used to connect diaphragm vessels and hydrophore tanks. Valves allow the unit to be replaced without draining the refrigerant

Temperature sensor bushing



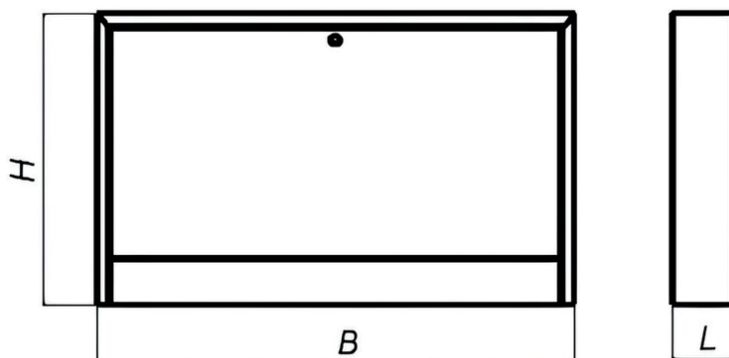
Produced in standard sizes
L = 100, 150, 200, 300, 400, 500, 600, 700, 800, 900, 1000 mm

Flush-mounted cabinets



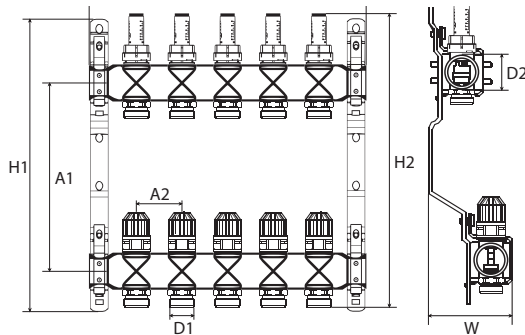
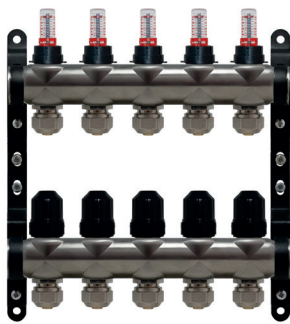
Delivery code	Nomenclature	Dimensions (BxHxL), mm	Weight (kg)
KHT-P-00	Flush-mounted cabinet KHT-P-00 (360*580*110)	360x580x110	4,5
KHT-P-01	Flush-mounted cabinet KHT-P-01 (480*580*110)	480x580x110	5,2
KHT-P-02	Flush-mounted cabinet KHT-P-02 (610*580*110)	610x580x110	6,6
KHT-P-03	Flush-mounted cabinet KHT-P-03 (760*580*110)	760x580x110	7,5
KHT-P-04	Flush-mounted cabinet KHT-P-04 (840*580*110)	840x580x110	8,1
KHT-P-05	Flush-mounted cabinet KHT-P-05 (1010*580*110)	1010x580x110	9,5
KHT-P-06	Flush-mounted cabinet KHT-P-06 (1250*580*110)	1250x580x110	11,7

Surface-mounted cabinets



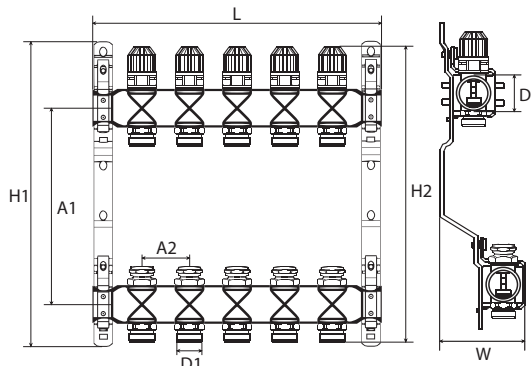
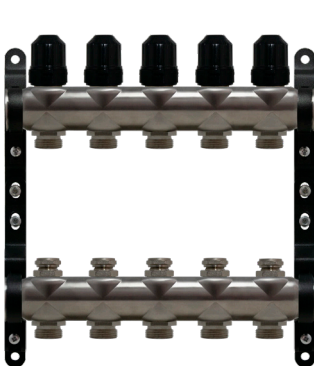
Delivery code	Nomenclature	Dimensions (BxHxL), mm	Weight (kg)
KHT-NE-00	Surface-mounted cabinet KHT-NE-00 (360*580*120)	360x580x120	5,4
KHT-NE-01	Surface-mounted cabinet KHT-NE-01 (420*580*120)	420x580x120	6,7
KHT-NE-02	Surface-mounted cabinet KHT-NE-02 (550*580*120)	550x580x120	7,6
KHT-NE-03	Surface-mounted cabinet KHT-NE-03 (700*580*120)	700x580x120	8,9
KHT-NE-04	Surface-mounted cabinet KHT-NE-04 (780*580*120)	780x580x120	9,8
KHT-NE-05	Surface-mounted cabinet KHT-NE-05 (950*580*120)	950x580x120	11,6
KHT-NE-06	Surface-mounted cabinet KHT-NE-06 (1150*580*120)	1150x580x120	12,8

Inox distributors and their components



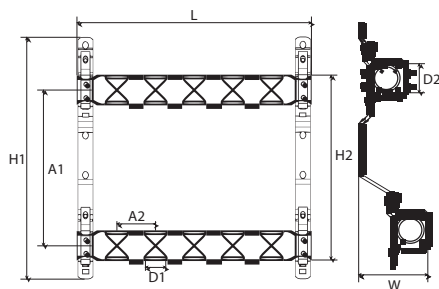
Materials	AISI 304, CW617N
Temperature	up to 90°
Operating pressure	up to 10 bar
Flow meter	0-5 l/ min
Mounting	Steel

Number of sections	D1	D2	KHT Inox distributors with RI-VT flowmeters								Weight (kg)	
			L	W	A2	A1		H1		H2		
						min	max	min	max	min		max
2	1/ 2 "	1"	130	92	50	172	232	310	370	285	345	1,33
3			180									1,72
4			230									2,15
5			280									2,47
6			330									2,75
7			380									3,33
8			430									3,72
9			480									4,12
10			530									4,50
11			580									4,92
12			630									5,27



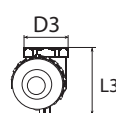
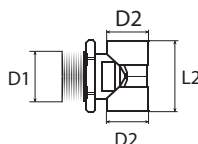
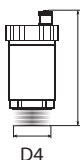
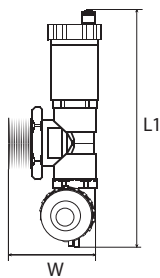
Materials	AISI 304, CW617N
Temperature	up to 90°
Operating pressure	up to 10 bar
Mounting	Steel

Number of sections	D1	D2	KHT Inox balance distributors RI-BT								Weight (kg)	
			L	W	A2	A1		H1		H2		
						min	max	min	max	min		max
2	1/ 2 "	1"	130	92	50	172	232	310	370	280	340	1,37
3			180									1,78
4			230									2,23
5			280									2,57
6			330									2,87
7			380									3,47
8			430									3,88
9			480									4,30
10			530									4,70
11			580									5,14
12			630									5,51



Materials	AISI 304
Temperature	up to 90°
Operating pressure	up to 10 bar
Mounting	Steel

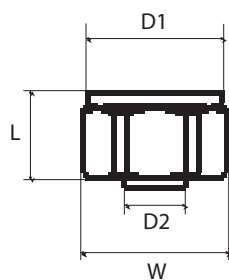
Number of sections	D1	D2	KHT Inox distributors w/o fittings RI-2								Weight (kg)	
			L	W	A2	A1		H1		H2		
						min	max	min	max	min		max
2	1/2 "	1 "	130	92	50	172	232	310	370	215	275	0,87
3			180									1,03
4			230									1,23
5			280									1,32
6			330									1,37
7			380									1,72
8			430									1,88
9			480									2,05
10			530									2,20
11			580									2,39
12			630									2,51



Materials	CW617N
Temperature	up to 90°
Operating pressure	up to 10 bar
Vent port	Yes
Drain valve	Yes

KHT nickel-plated drain group DN-KTP

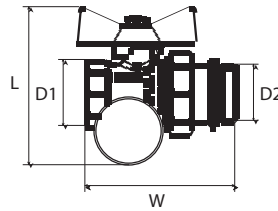
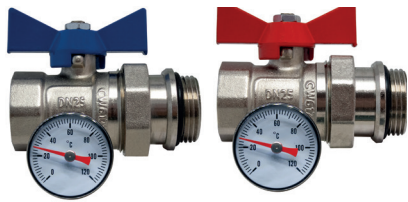
Parameters in mm					Parameters in inches			
W	L1	L2	L3	L4	D1	D2	D3	D4
53	145	42	49	70	1"	1/2"	1/2"	1/2"



Materials	CW617N
Temperature	up to 90°
Operating pressure	up to 10 bar

KHT nickel plated eurocone 3/4 x16 EC-N-16

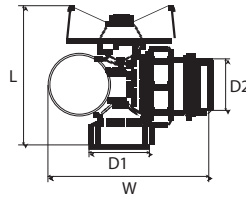
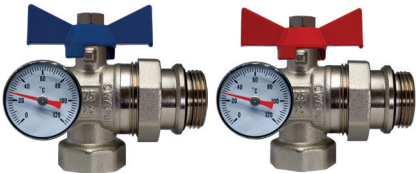
Parameters in mm			Parameters in inches
D2	W	L	D1
16	29	19	3/4"



Materials	CW617N
Temperature	up to 90°
Operating pressure	up to 10 bar
Kit	2 units
Thermometer	Yes

KHT 1' nickel angle screw valve with gasket + thermometer (blue, red)

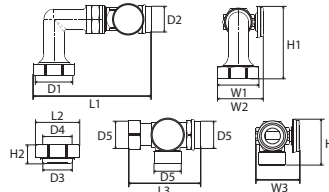
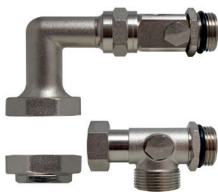
Parameters in mm				Parameters in inches	
W	L	D1	D2		
88	93	1"	1"		



Materials	CW617N
Temperature	up to 90°
Operating pressure	up to 10 bar
Kit	2 units
Thermometer	Yes

KHT 1' nickel angle screw valve with gasket + thermometer (blue, red)

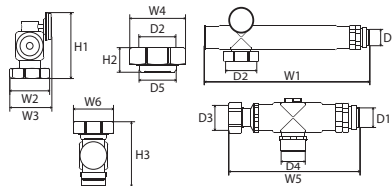
Parameters in mm				Parameters in inches	
W	L	D1	D2		
103	89	1	1		



Materials	CW617N
Temperature	up to 90°
Operating pressure	up to 10 bar

KHT nickel-plated pump group w/o fittings GP-N-B

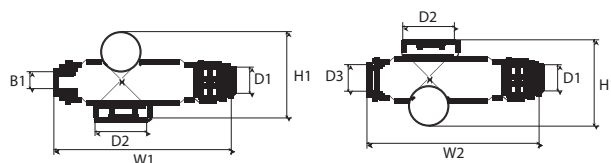
Parameters in mm									Parameters in inches				
L1	L2	L3	H1	H2	H3	W1	W2	W3	D1	D2	D3	D4	D5
151	53	87	84	23	55	53	58	53	11/2"	1"	1"	11/2"	1"



Materials	CW617N
Temperature	up to 90°
Operating pressure	up to 10 bar
Thermometer	Yes

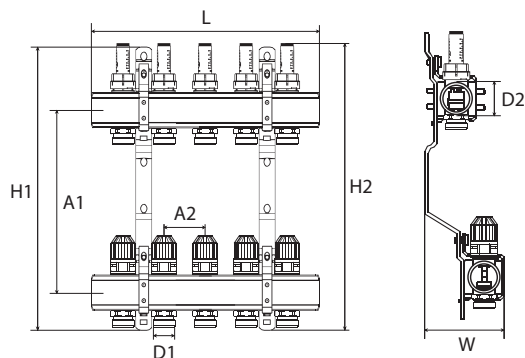
KHT Inox pump group w/o fittings GP-I-B

Parameters in mm									Parameters in inches				
W1	W2	W3	W4	W5	W6	H1	H2	H3	D1	D2	D3	D4	D5
260	55	58	53	170	56	95	23	93	1"	1 1/2"	1"	1"	1"



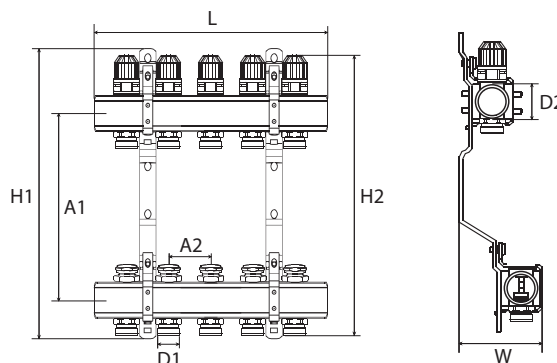
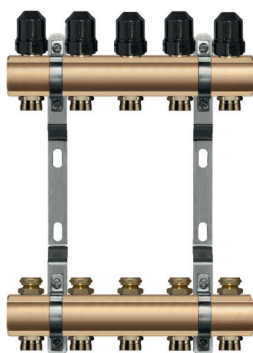
Materials	AISI 304
Temperature	up to 90°
Operating pressure	up to 10 bar
Thermometer	Yes

Brass distributors and their components



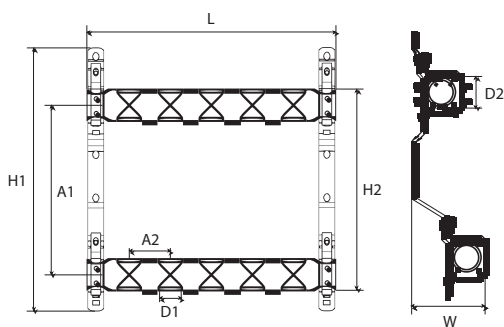
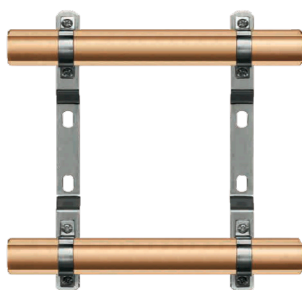
Materials	CW617N
Temperature	up to 90°
Operating pressure	up to 10 bar
Flow meter	0-5 l/ min
Mounting	Steel

Number of sections	D1	D2	KHT brass distributors with flow meter RB-VT								Weight (kg)	
			L	W	A2	A1		H1		H2		
						min	max	min	max	min		max
2	1/2 "	1"	105	92	50	172	232	310	370	285	345	1,60
3			155									2,16
4			205									2,72
5			255									3,28
6			305									3,84
7			355									4,40
8			405									4,96
9			455									5,52
10			505									6,08
11			555									6,64
12			605									7,20



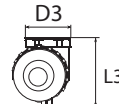
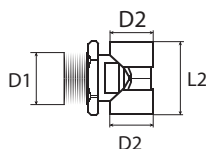
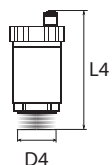
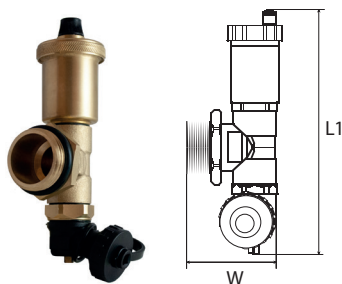
Materials	CW617N
Temperature	up to 90°
Operating pressure	up to 10 bar
Mounting	Steel

Number of sections	D1	D2	KHT brass balance distributors RB-BT								Weight (kg)	
			L	W	A2	A1		H1		H2		
						min	max	min	max	min		max
2	1/2 "	1"	105	92	50	172	232	310	370	280	340	1,64
3			155									2,22
4			205									2,80
5			255									3,38
6			305									3,96
7			355									4,54
8			405									5,12
9			455									5,70
10			505									6,28
11			555									6,86
12			605									7,44



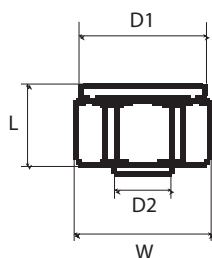
Materials	CW617N
Temperature	up to 90°
Operating pressure	up to 10 bar
Mounting	Steel

Number of sections	D1	D2	KHT brass distributors w/o fittings RB-2								Weight (kg)	
			L	W	A2	A1		H1		H2		
						min	max	min	max	min		max
2	1/2 "	1"	105	92	50	172	232	310	370	215	275	1,14
3			155									1,47
4			205									1,80
5			255									2,13
6			305									2,46
7			355									2,79
8			405									3,12
9			455									3,45
10			505									3,78
11			555									4,11
12			605									4,44



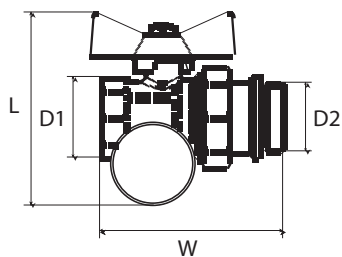
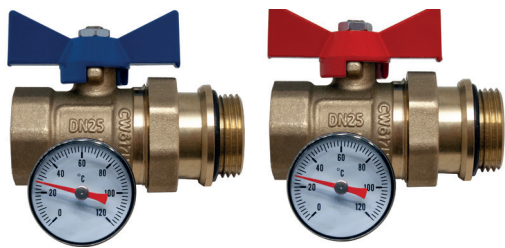
Materials	CW617N
Temperature	up to 90°
Operating pressure	up to 10 bar
Vent port	Yes
Drain valve	Yes

KHT brass drain group DB-KTP								
Parameters in mm					Parameters in inches			
W	L1	L2	L3	L4	D1	D2	D3	D4
53	145	42	49	70	1"	1/2"	1/2"	1/2"



Materials	CW617N
Temperature	up to 90°
Operating pressure	up to 10 bar

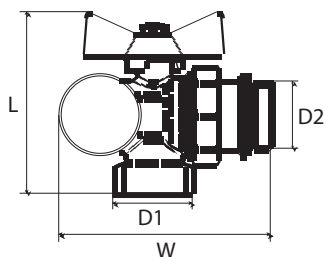
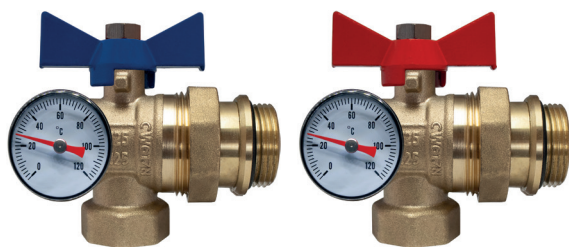
KHT brass eurocone 3/4 x16 EC-B-16			
Parameters in mm			Parameters in inches
D2	W	L	D1
16	29	19	3/4"



Materials	CW617N
Temperature	up to 90°
Operating pressure	up to 10 bar
Kit	2 units
Thermometer	Yes

KHT 1" brass angle screw valve with gasket + thermometer (blue, red)

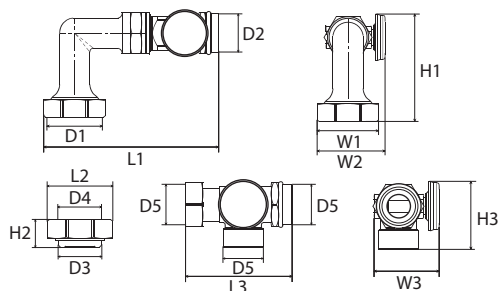
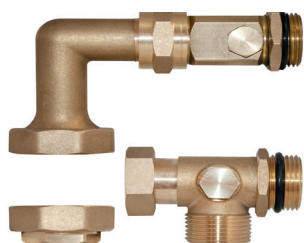
Parameters in mm				Parameters in inches	
W	L	D1	D2		
88	93	1"	1"		



Materials	CW617N
Temperature	up to 90°
Operating pressure	up to 10 bar
Kit	2 units
Thermometer	Yes

KHT 1" brass angle screw valve with gasket + thermometer (blue, red)

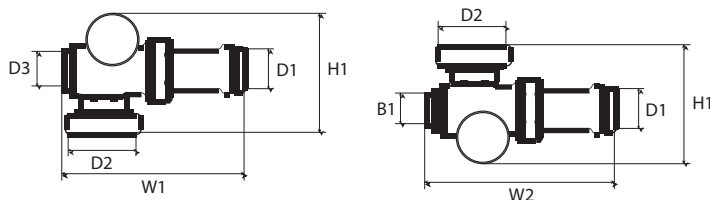
Parameters in mm				Parameters in inches	
W	L	D1	D2		
103	89	1"	1"		



Materials	CW617N
Temperature	up to 90°
Operating pressure	up to 10 bar

KHT brass pump group w/o fittings GP-B-B

Parameters in mm									Parameters in inches				
L1	L2	L3	H1	H2	H3	W1	W2	W3	D1	D2	D3	D4	D5
151	53	87	84	23	55	53	58	53	1 1/2"	1"	1"	1 1/2"	1"



Materials	CW617N
Temperature	up to 90°
Operating pressure	up to 10 bar
Thermometer	Yes

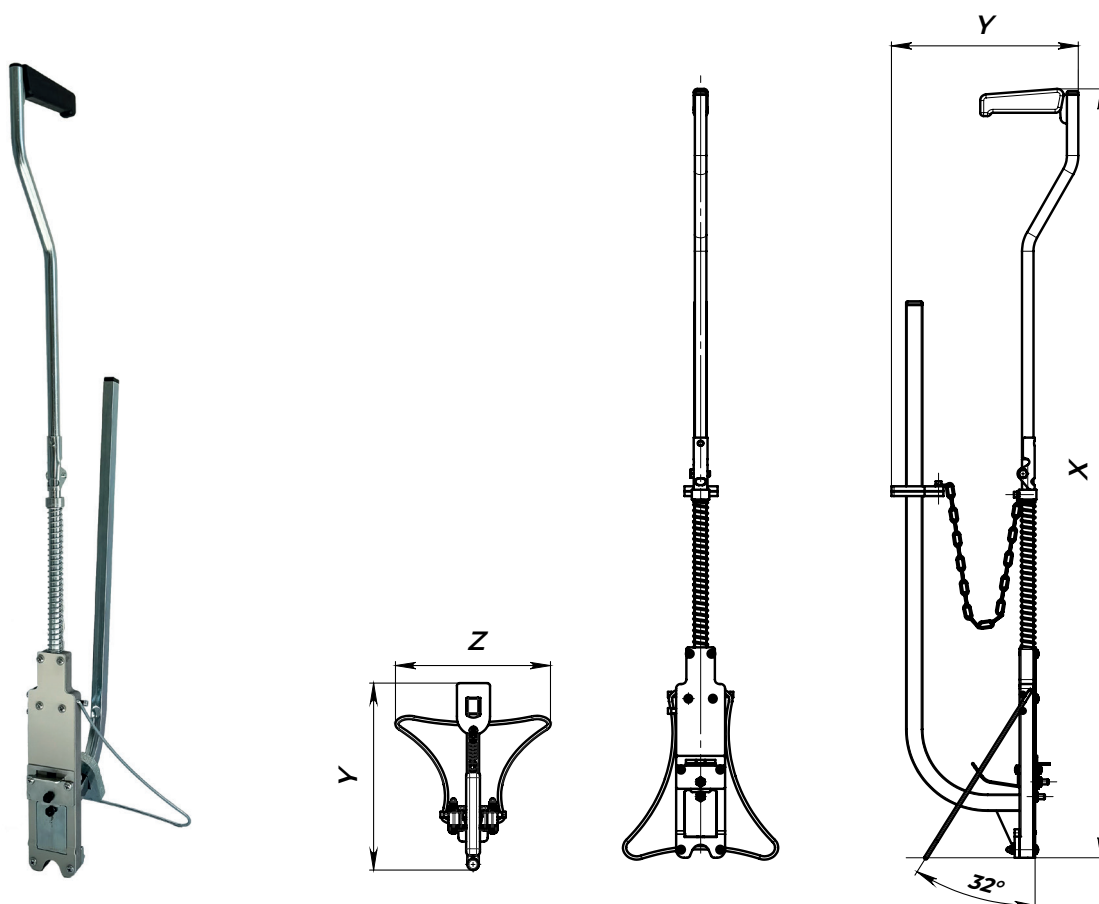
KHT brass connector KP-B-B

Parameters in mm				Parameters in inches		
W1	W2	H1	B1	D1	D2	D3
136	140,5	90	16,5	1"	1 1/2"	3/4"

Staple gun KHT RZ

The Staple gun is a device for the rapid installation of clip-mounted underfloor heating tube. The aluminium staple gun is dedicated and works perfectly with 40-60 mm long clips.

The device has an adjustment system to prevent the clips from falling out and enables setting the strength of arm return to the base position.



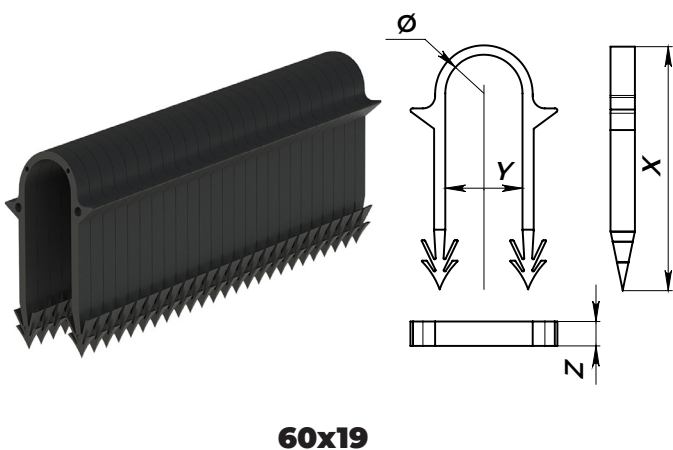
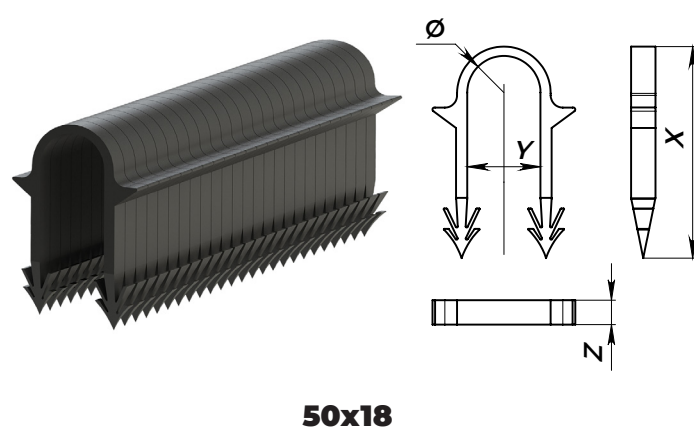
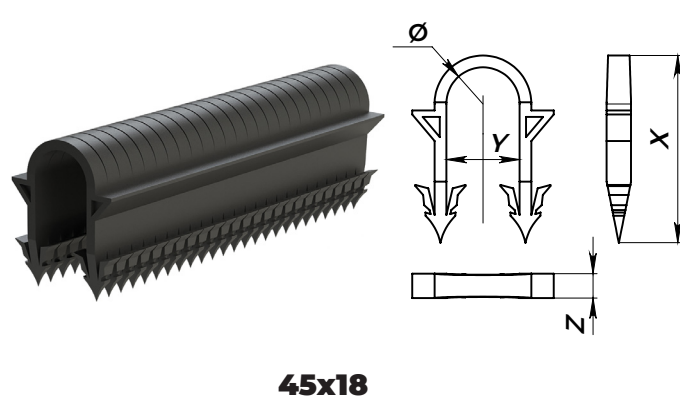
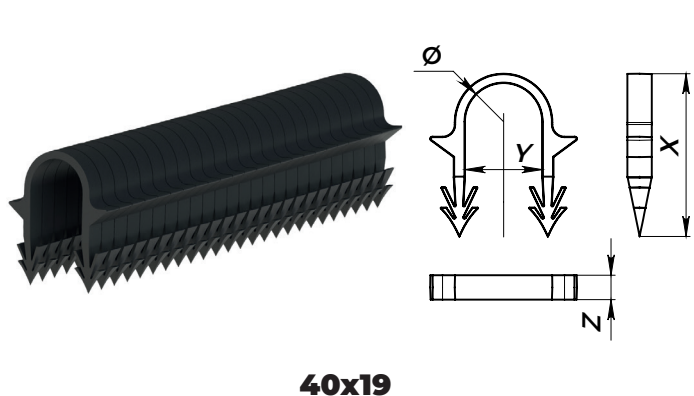
Height X, mm	Length Y, mm	Width Z, mm	Weight netto, kg
900	240	190	1,90

Advantages:

- short installation time for underfloor heating, increasing efficiency and comfort;
- full device reliability;
- high working accuracy;
- ease of use;
- robust design and application;
- clip thickness adjustment;
- clip height 40-60 mm.

Staple gun clip

Staple gun clips are used to secure the underfloor heating tube to the polystyrene or mat insulation layer. Depending on the thickness and density of the thermal insulation layer of the polystyrene foam, clips of an appropriate length and fixing method are used.



Model	Pipe diameter, mm	Dimensions X/Y/Z, mm	Weight, g	Quantity in package, units.	
				to staple gun	for manual installation
40x19	14 - 20	40x19x6	1,3	300	100
45x18	14 - 20	45x18x6	1,7	300	100
50x18	14 - 20	50x18x6	1,7	300	100
60x19	14 - 20	60x19x6	1,9	300	100

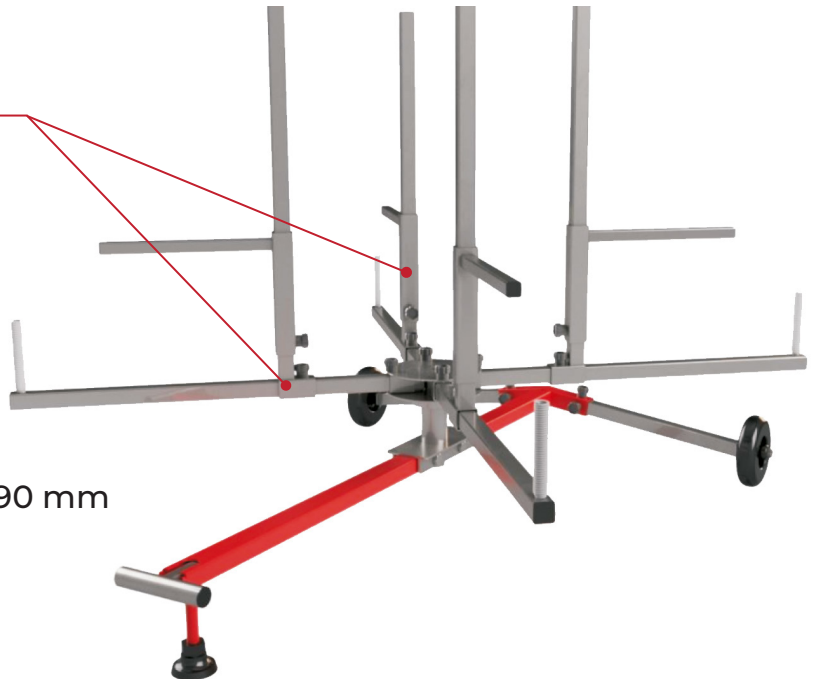
Advantages:

- quick and simple fixing of the underfloorheating tubes to the thermal insulation layer of the polystyrene foam, which simplifies and reduces the installation time of the under-floor heating;
- clips suitable for use with a staple gun;
- high-strength material, resistant to crushing,breaking and cracking;
- the clips are flexible, so they do not breakduring assembly.

Unwinders are used to quickly unwind tube coils when installing underfloor heating systems. It makes the installer's work easier and quicker and significantly increases comfort. The tube placed on the unwinder will not tangle or bend Thanks to its easy assembly and disassembly, the unwinder can be moved from place to place.

Tube unwinder KHT PD-200

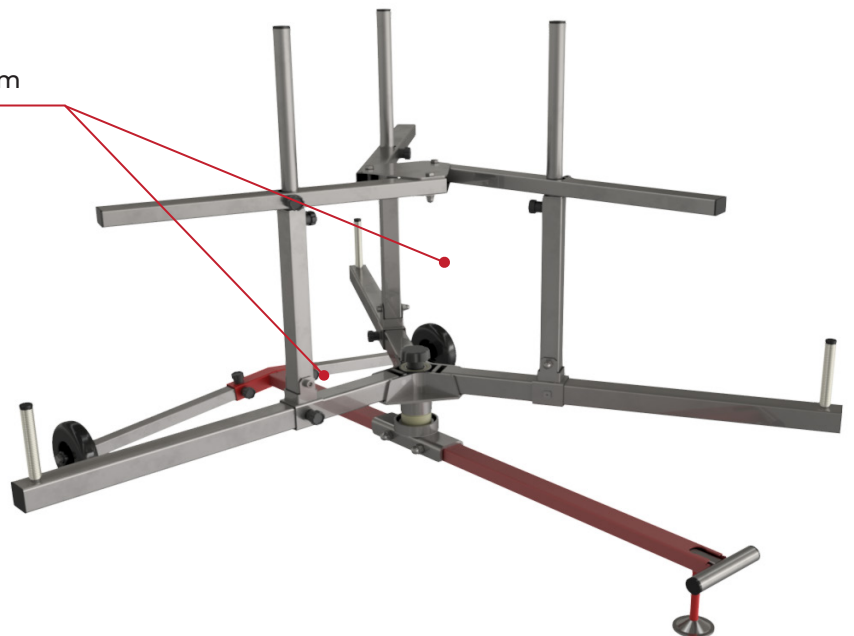
Internal diameter from 230 mm



- Quick fold/unfold
- Maximum coil weight 80 kg
- Maximum coil height 430 mm
- Maximum external coil diameter 990 mm

Tube unwinder KHT PD-300

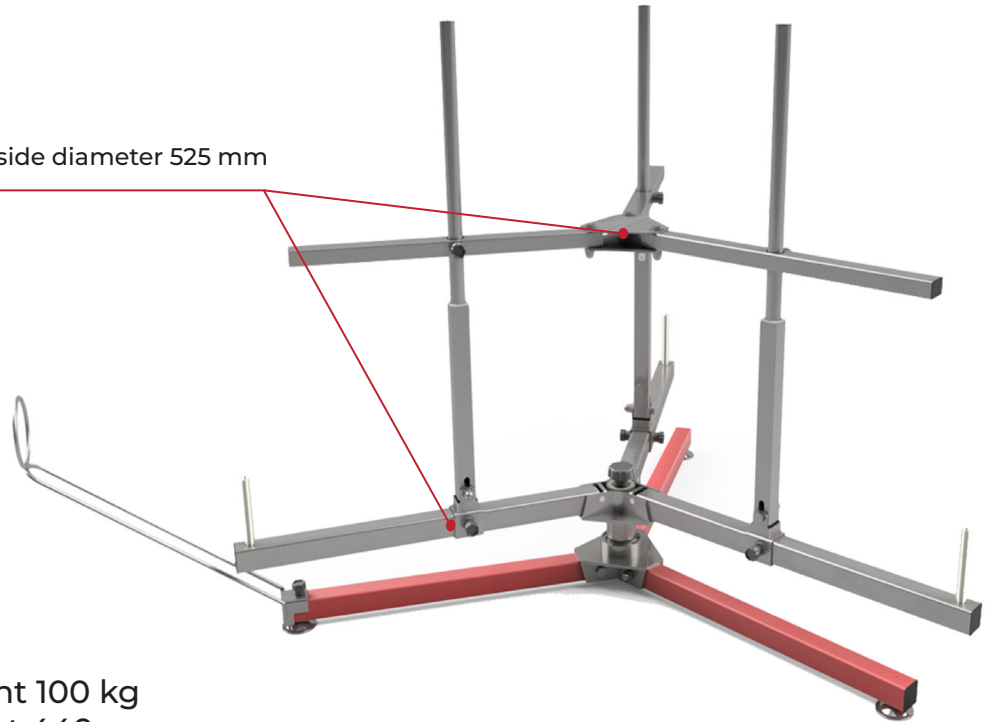
Internal diameter from 340 mm



- Quick fold/unfold
- Maximum coil weight 80 kg
- Maximum coil height 440 mm
- Maximum external coil diameter 1010 mm

Tube unwinder KHT PD-500

Adjustable inside diameter 525 mm



- Quick fold/unfold
- Maximum coil weight 100 kg
- Maximum coil height 440 mm
- Maximum external coil diameter 1170 mm

Tube unwinder KHT PD-600



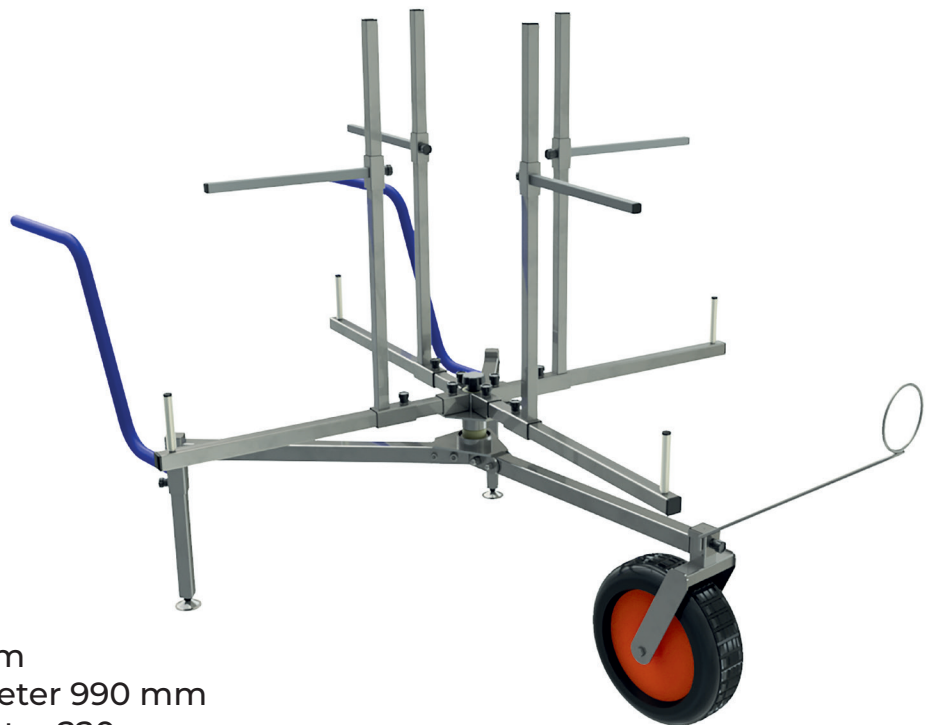
- Maximum coil weight 80 kg
- Maximum coil height 580 mm
- Maximum external coil diameter 940 mm
- Minimum internal coil diameter 235 mm

Tube unwinder KHT PD-700



- Maximum coil weight 80 kg
- Maximum coil height 620 mm
- Maximum external coil diameter 960 mm
- Minimum internal coil diameter 300 mm

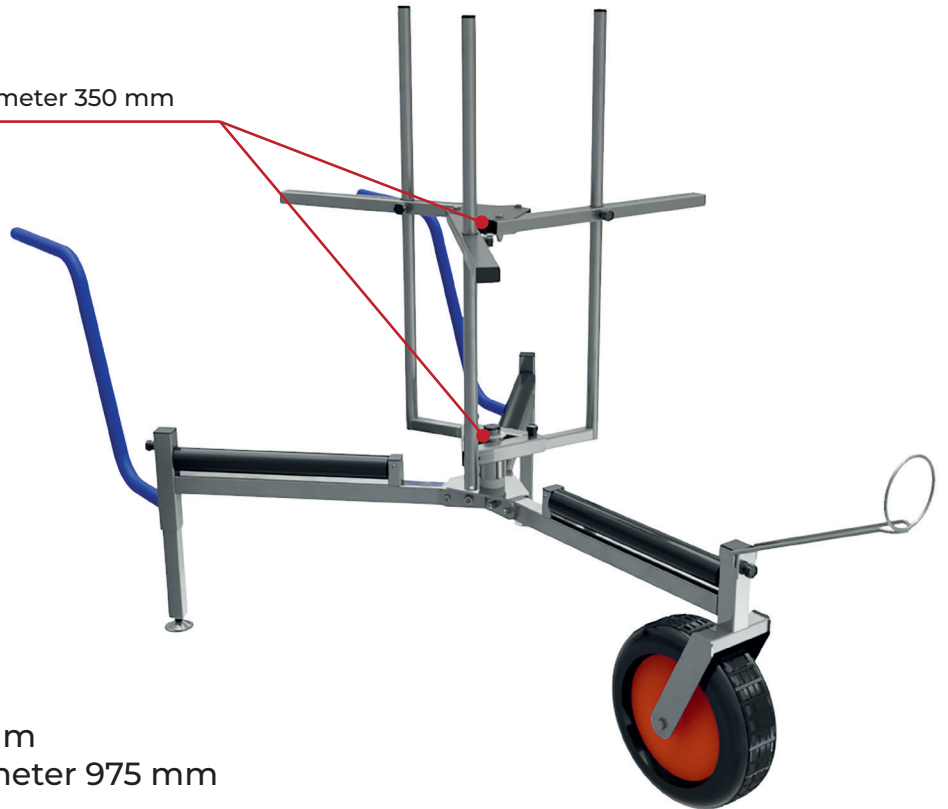
Tube unwinder KHT PD-800



- Quick fold/unfold
- Maximum coil weight 80 kg
- Maximum coil height 430 mm
- Maximum external coil diameter 990 mm
- Minimum internal coil diameter 220 mm

Tube unwinder KHT PD-900

Adjustable inside diameter 350 mm



- Maximum coil weight 80 kg
- Maximum coil height 635 mm
- Maximum external coil diameter 975 mm

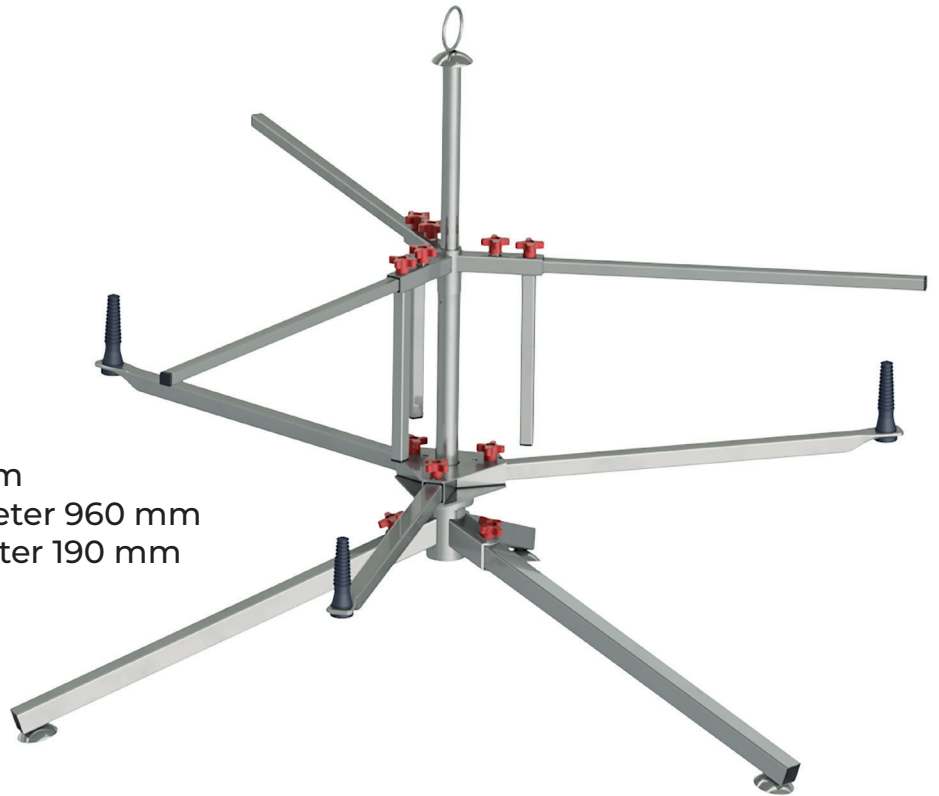
Tube unwinder KHT PD-1000



- Quick fold/unfold
- Maximum coil weight 80 kg
- Maximum coil height 430 mm
- Maximum external coil diameter 1050 mm
- Minimum internal coil diameter 230 mm

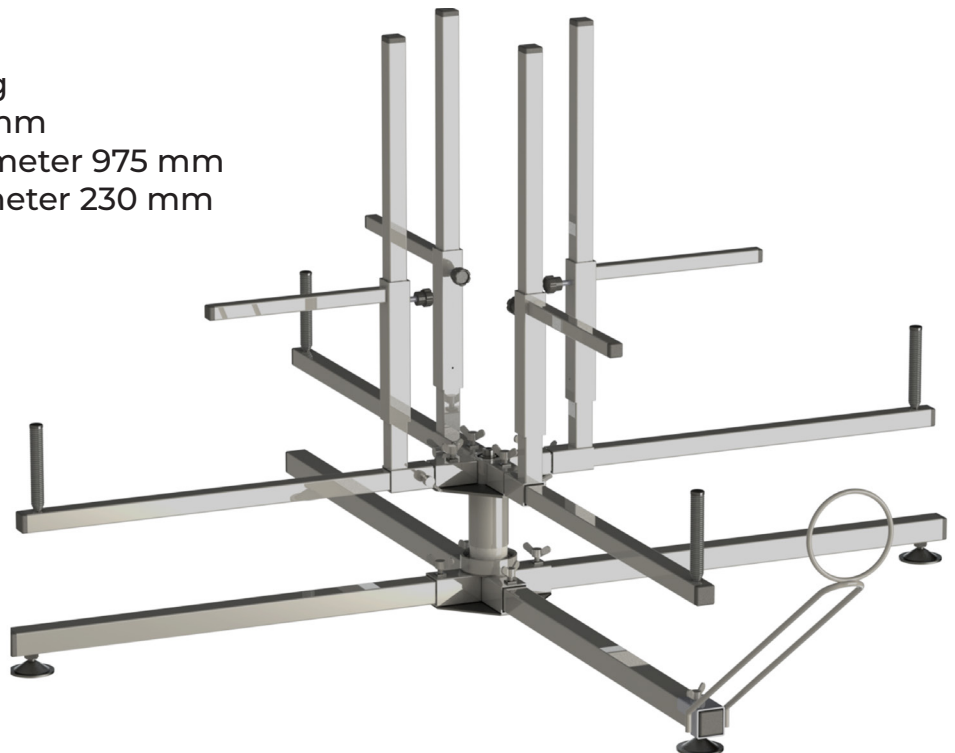
Tube unwinder KHT PD-1100

- Maximum coil weight 80 kg
- Maximum coil height 440 mm
- Maximum external coil diameter 960 mm
- Minimum internal coil diameter 190 mm



Tube unwinder KHT PD-1200

- Maximum coil weight 80 kg
- Maximum coil height 430 mm
- Maximum external coil diameter 975 mm
- Minimum internal coil diameter 230 mm



Tube unwinder PE KHT PD-1300



- Quick fold/unfold
- Maximum coil weight 120 kg
- Maximum coil height 830 mm
- Maximum external coil diameter 1700 mm
- Maximum internal coil diameter 740 mm
- Minimum internal coil diameter 240 mm

NOTES

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48-130, Kietrz, ul. Okrzei 21



biuro@kht-group.com



kht-group.com



+48 726 000 007