



Refrigeration systems and systems for heat pumps

Contents

Single and double loop installations 38

Buffer tanks 40

V 43

VK 44

VKG 45

VKG-HC 46

VKT 47

VKX 48

VKS 49

VKR 50

VKD 51

Accessories 54

Hydronic kits 56

HPT 57

HP 2.0 75

VKB 87



Refrigeration systems and systems for heat pumps

The following solutions make our refrigeration systems and systems for heat pumps more efficient and high-performance.

Our line of refrigeration systems contains buffer tanks and hydronic kits, which are designed to improve the functioning and performance of even the most evolutionary air-conditioning systems. We have a broad range of buffer tanks, both horizontal and vertical, and hydraulic stations which can be combined with many pumps and storage tanks. All our products are manufactured, on request, with special and customized details.

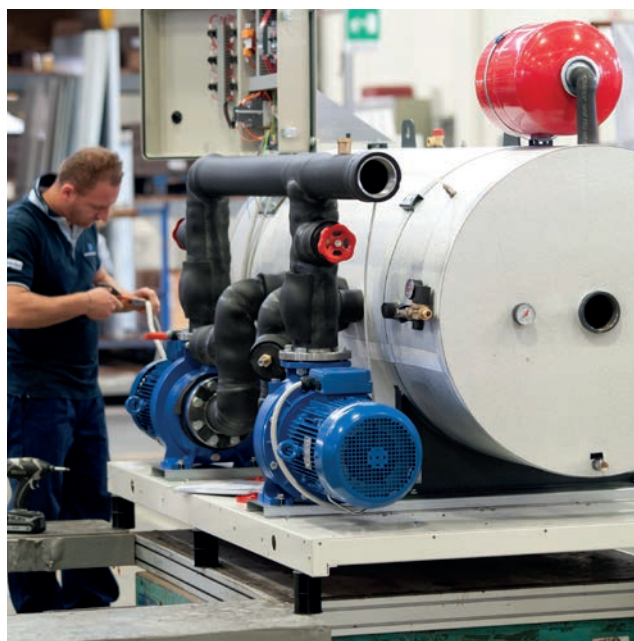
Buffer tanks

The buffer tanks, which increase the water volume in the device, improve the functioning and the performance of all air-conditioning systems. It brings numerous advantages, such as:

- longer life span of cooling systems and heat pumps because the device does not have to be activated as often;
- flexibility of use because the device can function with lower temperatures which differ from the normal temperatures
- possibility to install the cooling devices with a reduced power

Hydronic kits

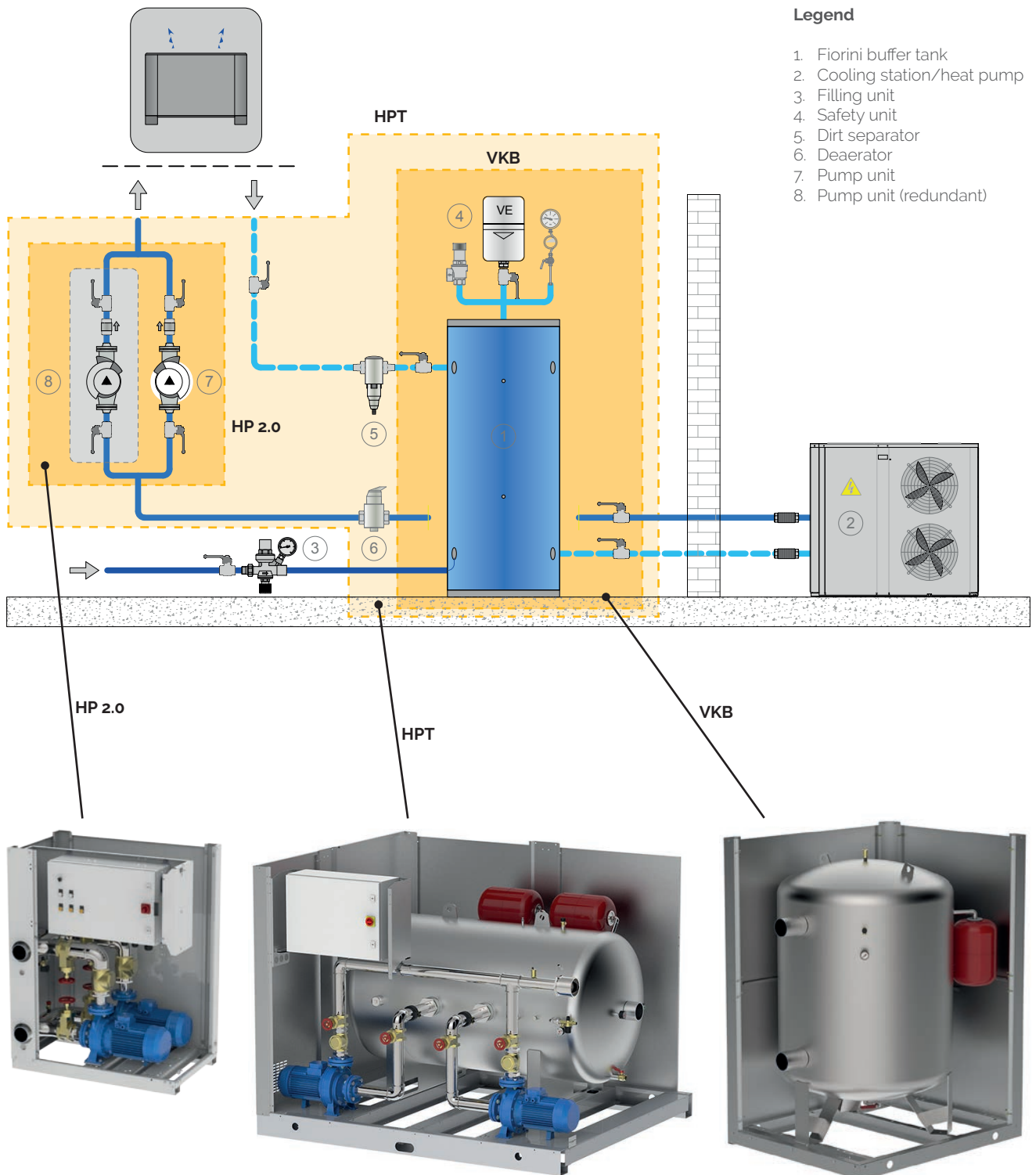
The numerous versions of the VKB, HPT and HP 2.0 are realized to use the advantages of a thermal fly-wheel as best as possible in cooling installations and installations with a heat pump. These hydraulic units ensure the correct functioning of the hydraulic circuit which can be connected to all types of water coolers and heat pumps. The units are enveloped in a supporting structure with a polished steel base, a frame and panels in galvanized and polished steel, which makes it possible to install the units outside. Moreover, non-standard solutions can also be realized, on the customer's request.



Applications

Single loop

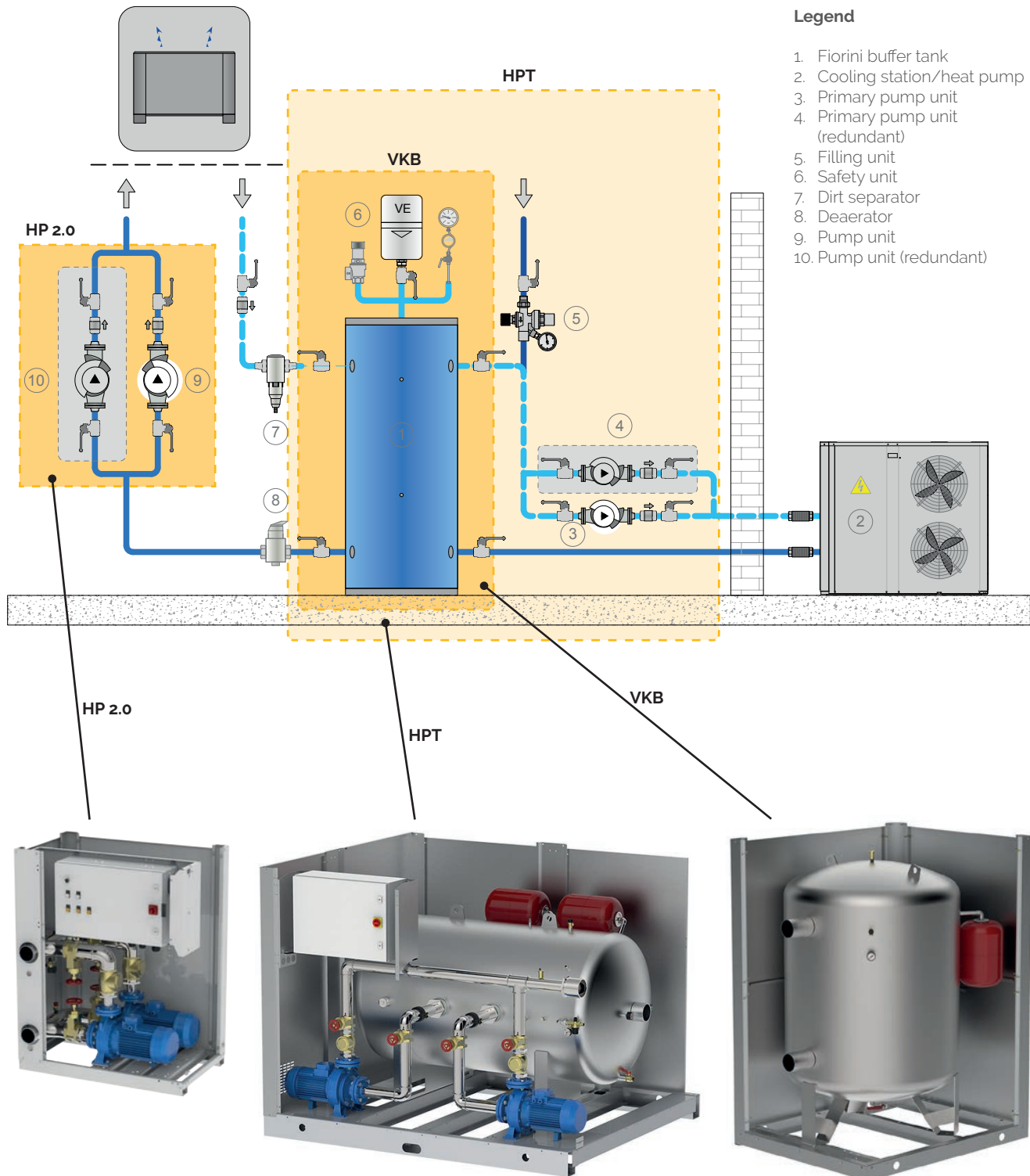
In the single loop installations, the storage tank has the function of thermal flywheel and is placed in series with the device and the cooler. In this way the flow of the fluid in the circuit is the same in every point. This solution is recommended for simple devices.



Applications

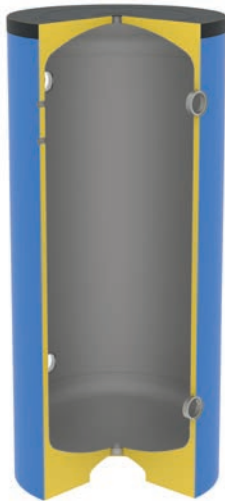
Double loop

In the double loop installations the storage tank is installed as an element to separate the thermal source and the installation. In this way the flows in the primary and the secondary circuit are independent. This solution is recommended for devices with complex settings.



Buffer tanks

Because of our broad range of buffer tanks, we can offer the best solution for every possible installation. We offer the following products:



V
Carbon steel
Hot-dip galvanizing

For devices which need protection against corrosion and for single loop or double loop installations. These tanks, without insulation, are meant to be insulated in the heating plant.



VKS
Carbon steel
External anti-rust painting
Anti-condensate insulation

With internal baffles which prevent preferential flow. To be used with double loop installations, also with a high flow and multi-circuited.



VKR
Carbon steel
External anti-rust painting
Anti-condensate insulation

With internal pipe conveyor which favours the chilled water flow from the primary circuit during the start-up. To be used with double loop installations, with medium/high flow. Galvanized version available on demand.

VK
Carbon steel
Hot-dip galvanizing
Anti-condensate insulation

For devices which need protection against corrosion. Single or double loop installations.

VKG
Carbon steel
External anti-rust painting
Anti-condensate insulation

For devices which do not need protection against corrosion. Single or double loop installations.

VKT
Carbon steel
Internal enamelling
Anti-condensate insulation

For devices which need anti-corrosive protection and which are also compatible with most antifreeze liquids. To be used with single or double loop installations.

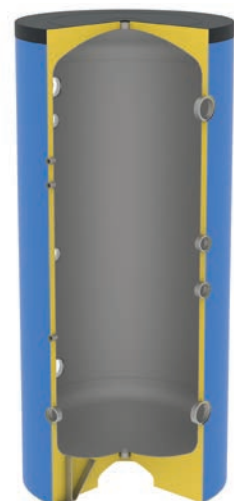
VKX
Stainless steel
Anti-condensate insulation

For devices which need stainless steel in case of contact with the fluid. To be used with single or double loop installations.



VKD
Carbon steel
External anti-rust painting
Anti-condensate insulation

To be used with double loop installations, with tube conveyors equipped with diffusers which make the temperature in the tank uniform.

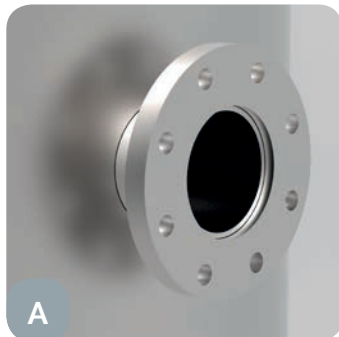


VKG-HC
Carbon steel
External anti-rust painting
Anti-condensate insulation

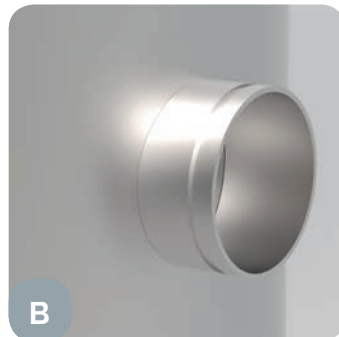
Can contain hot as well as chilled water in heating or cooling devices equipped with a heat pump. To be used with single and double loop installations.

Buffer tanks: couplings

All models are equipped with threaded couplings. We also manufacture special versions with several kinds of couplings on demand (flanged couplings, Victaulic couplings and increased couplings)

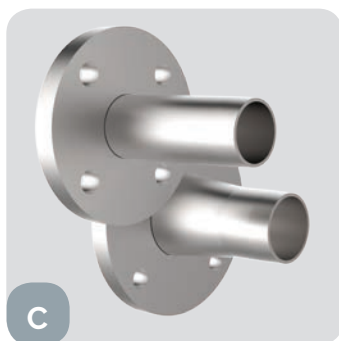


A
Flanged couplings



B
Victaulic couplings

Material: carbon raw steel
Other materials on demand



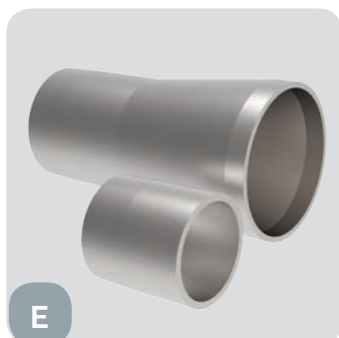
C
Transformation to flanged coupling

Original coupling	Transformed coupling UNI-EN PN 16	Code	Price
1 1/2"	DN 40	838081200X	
	DN 50	838081201X	
2"	DN 50	838081202X	
	DN 65	838081203X	
2 1/2"	DN 65	838081204X	
	DN 80	838081205X	
3"	DN 80	838081206X	
	DN 100	838081207X	
4"	DN 100	838081208X	
	DN 125	838081209X	



D
Transformation to victaulic coupling

Original coupling	Transformed coupling	Code	Price
1 1/2"	1 1/2"	838081211X	
	2"	838081212X	
2"	2"	838081213X	
	2 1/2"	838081214X	
2 1/2"	2 1/2"	838081215X	
	3"	838081216X	
3"	3"	838081217X	
	4"	838081218X	
4"	4"	838081219X	
	5"	838081220X	



E
Transformation to brazed coupling

Original coupling	Transformed coupling	Code	Price
1/2"	1/2"	838081221X	
1 1/2"	1 1/2"	838081222X	
	2"	838081223X	
2"	2"	838081224X	
	2 1/2"	838081225X	
2 1/2"	2 1/2"	838081226X	
	3"	838081227X	
3"	3"	838081228X	
	4"	838081229X	
4"	4"	838081230X	
	5"	838081231X	

Buffer tank: Insulation

The insulated tanks can be manufactured with two different types of insulating material on the outside. Both have an anti-condensate function.

Detail of the three points for fixing to the ground



Detail of the coupling of the discharge conveyor



Rigid foam

This insulation is made from a layer of polyurethane foam which envelops the whole tank. This solution prevents every thermal bridge with the exterior and guarantees excellent performance. It is available for vertical tanks, cannot be supplied separately and cannot be removed. The exterior is finished in coloured PVC. The insulation has a special design which makes it possible to channel the air towards the outside and to fix the tank to the ground.

Closed cell elastomeric insulation

Tanks with a volume of more than a 1000l and special models, horizontal or in galvanized steel, are insulated with closed cell elastomeric foam which is stuck to the surface of the tank. This prevents condense formation. This type of insulation cannot be removed. The external finishing is in coloured PVC.

Technical features

Type	Density	Thermal conductivity (15°C)	Resistance to steam diffusion
Elastomere 20 mm	30 kg/m ³	= 0,0333 W/m °C	μ = 2190
Foam 30 mm	40 kg/m ³	= 0,023 W/m °C	μ = 2210

Buffer tanks

V series



The V series includes a range of galvanized tanks for chilled water, which are not insulated and usually used to increase thermal inertia of the air-conditioning unit. Tanks with various capacities are available, from 100l up to 5000l.

Features

- ✓ **Material:** carbon steel
- ✓ **Treatment:** internal and external hot-dip galvanization
- ✓ **Not insulated**

Operational limits

Min temperature	Max temperature	Max pressure
-10 °C	50 °C	6 bar

Special versions

Available on request: customized dimensions, flanged couplings, customized couplings, thicker insulation, etc.

capacity l	V verticale code	packaging			V horizontal code	price
		price	dimensions cm	weight kg		
100	816020040		49x49x107	18	816020052	
200	816020041		54x54x145,5	29	816020053	
300	816020042		64x64x154,5	36	816020054	
500	816020043		74x74x183,5	73	816020055	
800	816020044		88x88x186	99	816020056	
1000	816020045		94x94x214,6	120	816020057	
1500	816020046		107x107x228	188	816020058	
2000	816020047		117x117x260	258	816020059	
2500	816020048		132x132x239,5	276	816020060	
3000	816020049		132x132x289,5	324	816020061	
4000	816020050		147x147x296,5	488	816020062	
5000	816020051		167x167x300,5	578	816020063	

Buffer tanks

VK series

The VK series has galvanized and insulated tanks for chilled water, which are usually used to increase the thermal inertia of the conditioning device. The galvanization offers protection against corrosion.

Features

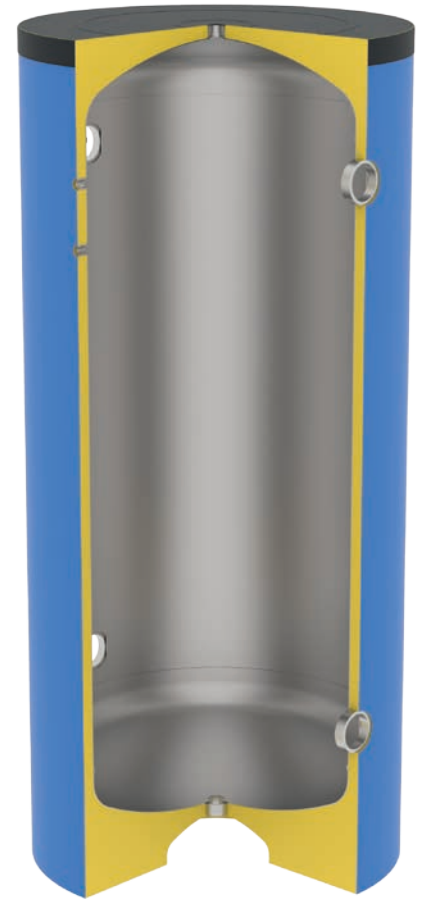
- ✓ **Material:** carbon steel
- ✓ **Treatment:** internal and external hot-dip galvanization
- ✓ **Insulation:**
 - Rigid foam with a thickness of 30 mm for vertical tanks with a capacity of up to 1000l
 - Closed cell elastomere with a thickness of 20 mm for horizontal and tanks and special versions with a capacity of more than 1000l
- ✓ **External covering:** coloured PVC

Operational limits

Min temperature	Max temperature	Max pressure
-10 °C	50 °C	6 bar

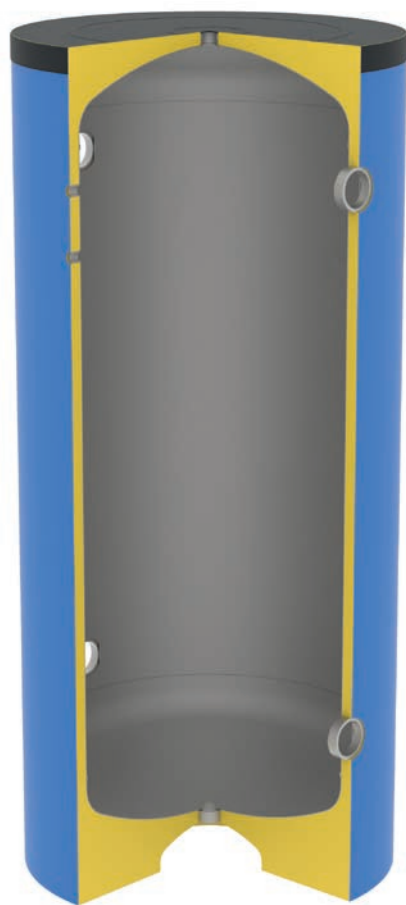
Special versions

Special versions are available on demand: customized dimensions, flanged couplings, customized couplings, thicker insulation, etc...



capacity l	VK vertical code	price	packaging		VK horizontal code	price
			dimensions cm	weight kg		
100	816020064		49x49x107	25	816020076	
200	816020065		54x54x145,5	37	816020077	
300	816020066		64x64x154,5	48	816020078	
500	816020067		74x74x183,5	81	816020079	
800	816020068		88x88x186	110	816020080	
1000	816020069		94x94x214,6	135	816020081	
1500	816020070		107x107x228	192	816020082	
2000	816020071		117x117x260	264	816020083	
2500	816020072		132x132x239,5	281	816020084	
3000	816020073		132x132x289,5	331	816020085	
4000	816020074		147x147x296,5	496	816020086	
5000	816020075		167x167x300,5	587	816020087	

Buffer tanks VKG series



The VKG series contains insulated tanks for chilled water, which are usually used to increase thermal inertia of the conditioning device.

Features

- ✓ **Material:** carbon steel
- ✓ **Treatment:** external anti-rust coating
- ✓ **Insulation:**
 - Rigid foam with a thickness of 30 mm for vertical tanks with a capacity of up to 1000l
 - Closed cell elastomere with a thickness of 20 mm for horizontal and special tanks with a capacity of over 1000l
- ✓ **External covering:** coloured PVC

Operational limits

Min temperature	Max temperature	Max pressure
-10 °C	50 °C	6 bar

Special versions

Special versions are available on demand: customized dimensions, flanged couplings, customized couplings, thicker insulation, etc...

capacity l	VKG vertical code	price	packaging		VKG horizontal code	price
			dimensions cm	weight kg		
100	816010130		49x49x107	24	816010142	
200	816010131		54x54x145.5	36	816010143	
300	816010132		64x64x154.5	46	816010144	
500	816010133		74x74x183.5	78	816010145	
800	816010134		88x88x186	105	816010146	
1000	816010135		94x94x214.6	129	816010147	
1500	816010136		107x107x228	182	816010148	
2000	816010137		117x117x260	250	816010149	
2500	816010138		132x132x239.5	267	816010150	
3000	816010139		132x132x289.5	314	816010151	
4000	816010140		147x147x296.5	470	816010152	
5000	816010141		167x167x300.5	557	816010153	
6000	816011186X		282x203x204	647		
8000	816011187X		352x203x204	782		
10000	816011188X		427x203x204	927		

Buffer tanks

VKG-HC series

The VKG-HC series contains insulated tanks for hot/cold devices, which are generally used to increase the thermal inertia of the heating and conditioning device.

Features

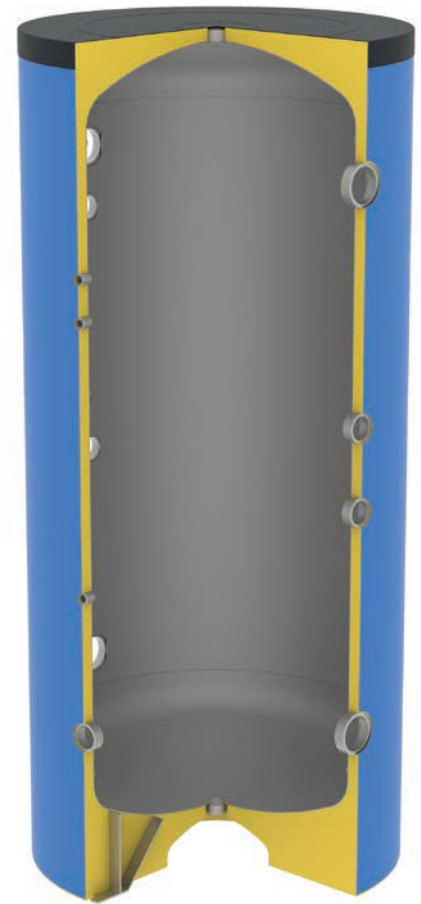
- ✓ **Material:** carbon steel
- ✓ **Treatment:** external anti-rust coating
- ✓ **Insulation:**
 - Rigid foam with a thickness of 30 mm for vertical tanks of up to 1000 l
 - Double insulation (elastomere + polyurethane) for larger capacities, special versions and horizontal tanks
 - closed-cell elastomere with a thickness of 10 mm with an anti-condensate function
 - flexible polyurethane with a thickness of 40mm
- ✓ **External covering:** coloured PVC

Operational limits

Min temperature	Max temperature	Max pressure
-10 °C	90 °C	5 bar

Special versions

Special versions are available on demand: customized dimensions, flanged couplings, customized couplings, thicker insulation, etc...



capacity l	VKG-HC code	price	energy label	packaging	
				dimensions cm	weight kg
100	817010084X		B	49x49x107	25
200	817010085X		C	54x54x146,1	36
300	817010086X		D	64x64x154,7	48
500	817010087X		D	74x74x184,1	80
800	817010088X			88x88x186,1	106
1000	817010089X			94x94x214,6	130
1500	817010090X			117x117x230,5	218
2000	817010091X			123x123x262,5	260

Buffer tanks VKT series



The tanks in the VKT series, which are internally enamelled and insulated for use with chilled water, are usually used to increase thermal inertia of the conditioning device. The internal enamelling ensures protection against corrosion.

Features

- ✓ **Material:** carbon steel
- ✓ **Treatment:** Bluetech internal enamelling with thermosetting resins.
- ✓ **Insulation:**
 - Rigid foam with a thickness of 30 mm for tanks with a capacity of up to 1000l
 - Closed cell elastomere with a thickness of 20 mm for horizontal and special tanks with a capacity of over 1000l

Operational limits

Min temperature	Max temperature	Max pressure
-10 °C	50 °C	6 bar

Special versions

Special versions are available on demand: customized dimensions, flanged couplings, customized couplings, thicker insulation, etc...

capacity l	VKT code	price	packaging	
			dimensions cm	weight kg
100	816080001X		49x49x107	24
200	816080002X		54x54x145,5	36
300	816080003X		64x64x154,5	46
500	816080004X		74x74x183,5	78
800	816080005X		88x88x186	105
1000	816080006X		94x94x214,6	129
1500	816080007X		107x107x228	182
2000	816080008X		117x117x260	250
2500	816080009X		132x132x239,5	267
3000	816080010X		132x132x289,5	314
4000	816080011X		147x147x296,5	470
5000	816080012X		167x167x300,5	557

Buffer tanks

VKX series

The VKX series includes insulated stainless steel tanks for chilled water, which are usually used to increase thermal inertia of the conditioning device. The stainless steel protects the device against corrosion and makes it possible to use the tank in aggressive environments and in industrial settings.

Features

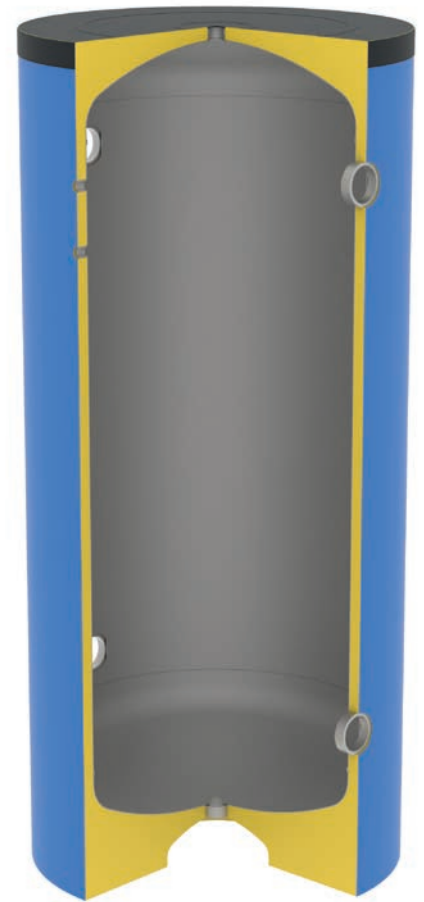
- ✓ **Material:** AISI 304 or AISI 316 stainless steel
- ✓ **Insulation:** Closed cell elastomere with a thickness of 20 mm
- ✓ **External covering:** coloured PVC

Operational limits

Min temperature	Max temperature	Max pressure
-10 °C	50 °C	6 bar

Special versions

Special versions are available on demand: customized dimensions, flanged couplings, customized couplings, thicker insulation, etc...



capacity l	VKX AISI 304 code	price	packaging		VKX AISI 316 code	price	packaging	
			dimensions cm	weight kg			dimensions cm	weight kg
100	816040020		470x470x1050	--	816040141X		470x470x1050	--
200	816040021		520x520x1520	--	816040142X		520x520x1520	--
300	816040022		620x620x1545	--	816040143X		620x620x1545	--
500	816040023		670x670x2000	--	816040144X		670x670x2000	--
800	816040024		860x860x1970	--	816040145X		860x860x1970	--
1000	816040025		870x870x2240	--	816040146X		870x870x2240	--
1500	816040026		1070x1070x2250	--	816040147X		1070x1070x2250	--
2000	816040027		1270x1270x2330	--	816040148X		1270x1270x2330	--
2500	816040028		1270x1270x2580	--	816040149X		1270x1270x2580	--
3000	816040029		1320x1320x2850	--	816040150X		1320x1320x2850	--
4000	816040030		1470x1470x2930	--	816040151X		1470x1470x2930	--
5000	816040031		1670x1670x2960	--	816040152X		1670x1670x2960	--

Buffer tanks VKS series



The VKS series includes insulated tanks for chilled water, which are usually used to increase thermal inertia in double loop cooling devices. They are equipped with dividing baffles which prevent preferential flow in the tank by creating perfect conditions for temperature distribution. They are especially used with medium and high flows and with special versions in which the tank is to be connected with more than two circuits.

Features

- ✓ **Material:** carbon steel
- ✓ **Treatment:** external anti-rust coating
- ✓ **Insulation:**
 - Rigid foam with a thickness of 30mm for tanks with a capacity of up to 1000l
 - Closed cell elastomere with a thickness of 20 mm for special tanks with a capacity of over 1000l
- ✓ **External covering:** coloured PVC

Operational limits

Min temperature	Max temperature	Max pressure
-10 °C	50 °C	6 bar

Special versions

Special versions are available on demand: customized dimensions, flanged couplings, customized couplings, thicker insulation, etc...

capacity l	VKS code	price	packaging	
			dimensions cm	weight kg
100	816010166		49x49x107	29
200	816010167		54x54x145,5	41
300	816010168		64x64x154,5	55
500	816010169		74x74x183,5	91
800	816010170		88x88x186	122
1000	816010171		94x94x214,6	149
1500	816010172		107x107x228	208
2000	816010173		117x117x260	282
2500	816010174		132x132x239,5	307
3000	816010175		132x132x289,5	356
4000	816010176		147x147x296,5	519
5000	816010177		167x167x300,5	621

Buffer tanks

VKR series

The insulated VKR tanks for chilled water are usually used to increase the thermal inertia of the double loop conditioning device with a medium or high flow. They are equipped with the double loop cooling device which create a preferential circuit inside the tank.

Features

- ✓ **Material:** carbon steel
- ✓ **Treatment:** external anti-rust coating
- ✓ **Insulation:**
 - Rigid foam with a thickness of 30 mm for vertical tanks with a capacity of up to 1000l
 - Closed cell elastomere with a thickness of 20 mm for horizontal and special tanks with a capacity of over 1000l.
- ✓ **External covering:** coloured PVC

Operational limits

Min temperature	Max temperature	Max pressure
-10 °C	50 °C	6 bar

Special versions

Special versions are available on demand: customized dimensions, flanged couplings, customized couplings, thicker insulation, etc...



capacity l	VKR code	price	packaging	
			dimensions cm	weight kg
100	816010154		49x49x107	26
200	816010155		54x54x145,5	37
300	816010156		64x64x154,5	50
500	816010157		74x74x183,5	85
800	816010158		88x88x186	113
1000	816010159		94x94x214,6	137
1500	816010160		107x107x228	193
2000	816010161		117x117x260	262
2500	816010162		132x132x239,5	283
3000	816010163		132x132x289,5	330
4000	816010164		147x147x296,5	487
5000	816010165		167x167x300,5	577

Buffer tanks VKD series



The insulated VKD tanks for chilled water are usually used to increase thermal inertia of the double loop conditioning device. They are equipped with diffuser tubes which connect the two circuits linked to the tank. Energy is supplied or subtracted through the diffuser's circumferential probes. In this way the mixing of fluids is significantly reduced.

Features

- ✓ **Material:** carbon steel
- ✓ **Treatment:** external anti-rust coating
- ✓ **Insulation:**
 - Rigid foam with a thickness of 30 mm for vertical tanks with a capacity of up to 1000l
 - Closed cell elastomere with a thickness of 20 mm for special tanks with a capacity of over 1000l.

Operational limits

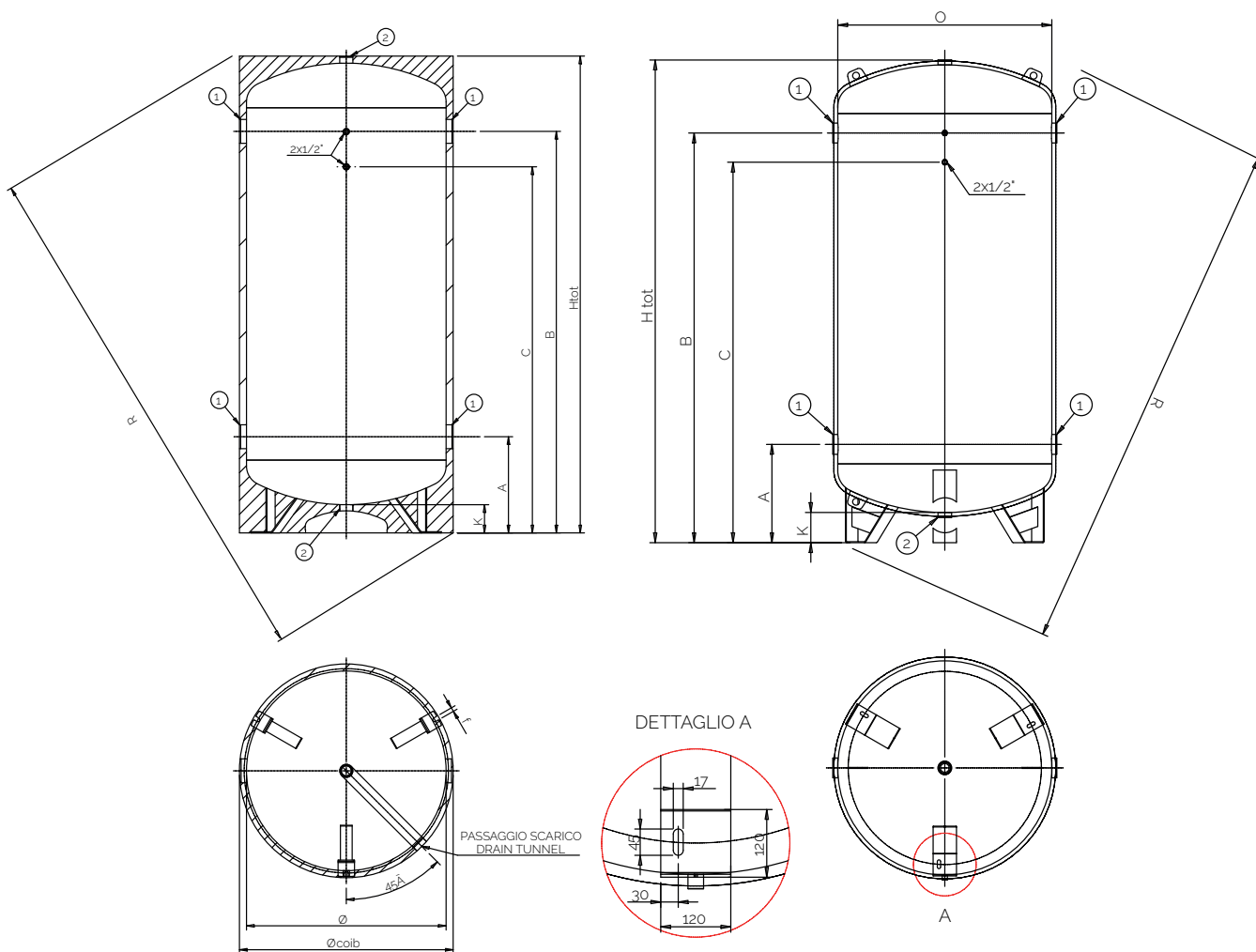
Min temperature	Max temperature	Max pressure
-10 °C	50 °C	6 bar

Special versions

Special versions are available on demand: customized dimensions, flanged couplings, customized couplings, thicker insulation, etc...

capacity l	VKD code	price	packaging	
			dimensions cm	weight kg
100	816010417		49x49x107	26
200	816010418		54x54x145,5	37
300	816010419		64x64x154,5	50
500	816010420		74x74x183,5	85
800	816010421		88x88x186	113
1000	816010422		94x94x214,6	138
1500	816010423		107x107x228	193
2000	816010424		117x117x260	262
2500	816010425		132x132x239,5	283
3000	816010426		132x132x289,5	330
4000	816010427		147x147x296,5	487
5000	816010428		167x167x300,5	577

Buffer tanks: dimensions



100 < cap. < 1.000

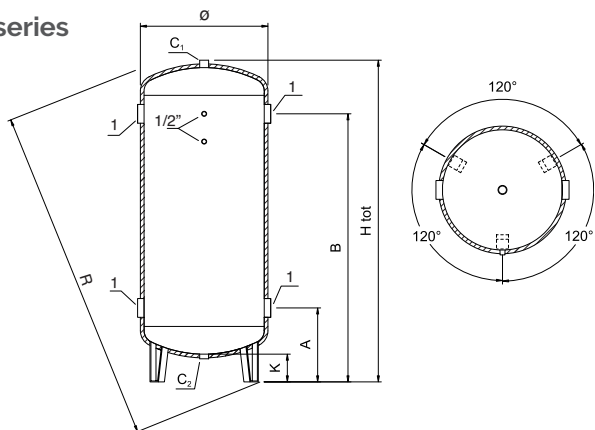
1500 < cap. < 10.000

V, VK, VKG, VKT, VKS, VKR and VKD series vertical

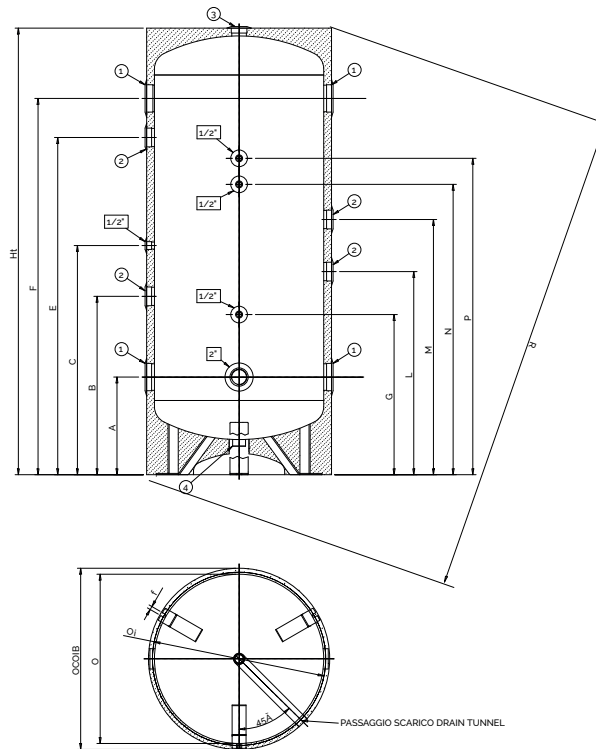
cap. l	Ø mm	R mm	Ø insul. mm	H tot mm	A mm	B mm	C mm	K mm	f mm	1 mm	2 mm
100	400	1056	460	950	290	760	610	125	17	1"1/2	1"1/4
200	450	1430	510	1335	290	1140	990	120	17	1"1/2	1"1/4
300	550	1551	610	1425	365	1165	1015	130	17	2"	1"1/4
500	650	1857	710	1715	385	1435	1285	135	17	3"	1"1/4
800	790	1937	850	1740	395	1445	1295	125	17	3"	1"1/2
1000	850	2221	910	2026	410	1710	1560	120	17	3"	1"1/2
1500	1000	2398	1040	2160	500	1800	1650	165		3"	2"
2000	1100	2730	1140	2480	505	2105	1955	155		3"	2"
2500	1250	2616	1290	2275	565	1865	1715	180		4"	2"
3000	1250	3061	1290	2775	565	2365	2215	180		4"	2"
4000	1400	3189	1440	2845	590	2390	2240	160		4"	2"
5000	1600	3319	1640	2885	600	2400	2250	140		4"	2"
6000	1800	2849	1840	2175	615	2215	2015	140		4"	2"
8000	1800	3880	1840	3415	615	2915	2715	140		4"	2"
10000	1800	4554	1840	4165	615	3665	3465	140		4"	2"

Buffer tanks: dimensions

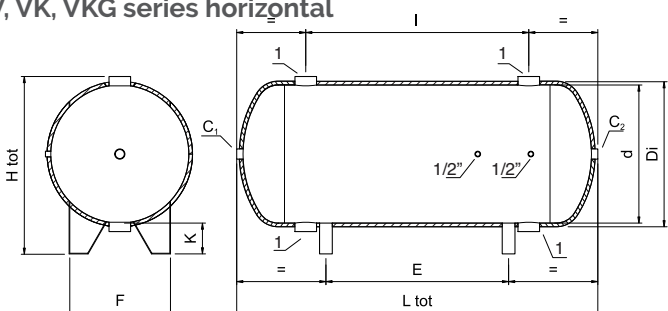
VKX series



VKG-HC series



V, VK, VKG series horizontal



V, VK, VKG series horizontal

cap. l	Ø mm	insul. mm	Htot mm	Ltot mm	E mm	F mm	I mm	K mm	C inch	1 inch
100	400	440	546	850	310	330	470	120	1 1/4	1 1/2
200	450	490	596	1240	700	350	850	120	1 1/4	1 1/2
300	550	590	715	1320	600	425	800	140	1 1/4	2
500	650	690	875	1600	900	490	1050	190	1 1/4	3
750	790	830	1015	1642	900	615	1050	190	1 1/2	3
1000	850	890	1075	1932	1130	660	1300	190	1 1/2	3
1500	1000	1040	1275	2010	950	775	1300	190	2	3
2000	1100	1140	1335	2356	1320	900	1600	200	2	3
2500	1200	1240	1460	2416	1180	950	1600	225	2	4
3000	1250	1290	1510	2626	1390	965	1800	225	2	4
4000	1400	1440	1660	2716	1380	1080	1800	225	2	4
5000	1600	1640	1680	2776	1380	1235	1800	225	2	4

VKX series

cap. l	Ø mm	Htot mm	R mm	A mm	B mm	C2 inch	C1 inch	1 inch
100	440	930	1029	265	735	1 1/4	1 1/4	2
200	490	1400	1484	300	1150	1 1/4	1 1/4	2
300	590	1425	1543	320	1170	1 1/4	1 1/4	2
500	690	1880	2003	320	1620	1 1/4	1 1/4	2 1/2
800	830	1850	2028	445	1495	1 1/4	1 1/4	2 1/2
1000	890	2120	2300	455	1755	1 1/4	1 1/4	3
1500	1040	2130	2371	465	1765	1 1/4	1 1/4	3
2000	1240	2210	2487	500	1800	1 1/4	1 1/4	3
2500	1240	2460	2778	500	2050	1 1/4	1 1/4	3
3000	1290	2730	3020	515	2315	1 1/4	1 1/4	4
4000	1440	2810	3158	550	2350	1 1/4	1 1/4	4
5000	1640	2840	3280	550	2350	1 1/4	1 1/4	4

VKG-HC series

cap. l	Ø mm	R mm	insul. mm	Ht mm	A mm	B mm	C mm	E mm	F mm	G mm	L mm	M mm	N mm	P mm	K mm	Øi mm	f mm	1 inch	2 inch	3 inch	4 inch
100	400	1056	460	950	285	445	-	605	765	395	-	/	655	-	125	424	17	1 1/2	1 1/2	1 1/4	1 1/4
200	450	1435	510	1341	320	580	-	850	1120	520	-	/	920	-	125	474	17	1 1/2	1 1/2	1 1/4	1 1/4
300	550	1552	610	1427	325	425	735	1035	1185	535	635	835	1010	1100	130	574	17	2	1 1/2	1 1/4	1 1/4
500	650	1862	710	1721	380	690	885	1300	1450	620	785	985	1120	1220	140	670	17	3	2	1 1/4	1 1/4
800	790	1937	850	1741	395	685	885	1295	1445	610	820	1020	1115	1205	125	810	17	3	2	1 1/2	1 1/2
1000	850	2221	910	2026	410	950	1090	1560	1710	750	950	1150	1400	1500	120	870	17	3	2	1 1/2	1 1/2
1500	1000	2450	1100	2185	500	1040	1180	1650	1800	840	1020	1220	1510	1610	165	880	17x45	3	2	1 1/2	1 1/2
2000	1100	2780	1200	2505	505	1345	1450	1955	2105	885	1180	1380	1815	1915	155	980	17x45	3	2	1 1/2	1 1/2

Buffer tanks: Accessories

Electric resistor



* Equipped with a thermostat with incorporated settings. IP 40 protection. The others models are IP 65 protection.

Electric power W	Tension V	Number of elements	Diameter of couplings inch	Length mm	Code	price
1200*	230	1	1" 1/4	220	824100003	
1500*	230	1	1" 1/4	290	824100004	
2000*	230	1	1" 1/4	330	824100005	
1300	230/380	3	2"	220	824100008	
2000	230/380	3	2"	290	824100009	
2000	230/380	3	1" 1/4	300	824100053	
3000	230/380	3	2"	340	824100010	
3000	230/380	3	1" 1/4	300	824100011	
4000	230/380	3	2"	390	824100012	
4000	230/380	3	1" 1/4	400	824100072	
5000	230/380	3	2"	500	824100013	
5000	230/380	3	1" 1/4	450	824100073	
6000	230/380	3	2"	600	824100014	
7000	230/380	3	2"	580	824100015	
8000	230/380	3	2"	620	824100016	
10000	230/380	3	2"	770	824100017	



Description	code	price
anti-freeze resistor 200W	824100001	



Description	code	price
Thermometer for hot water	822050001	
Thermometer for cold water	822050004	



Description	code	price
Thermostat	822010004	



Description	code	price
Bithermostat	822050006	



Description	code	price
Anti-freeze bithermostat	822050007	

Buffer tanks: Accessories

Covered in aluminium sheets which make it possible to install the tank outside. It is obligatory to pack in wooden boxes because this guarantees a better protection of the product during transport.

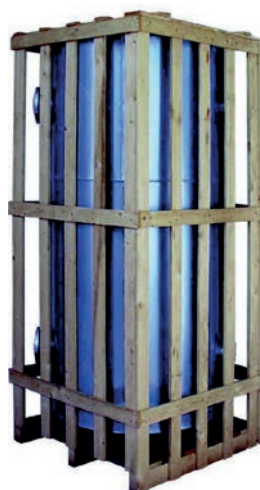
Volume	code	price
100	ALL-100	*
200	ALL-200	*
300	ALL-300	*
500	ALL-500	*
800	ALL-800	*
1000	ALL-1000	*
1500	ALL-1500	*
2000	ALL-2000	*
2500	ALL-2500	*
3000	ALL-3000	*
4000	ALL-4000	*
5000	ALL-5000	*



Volume	code	price
Extra in case of man hole	GABBIA-BOCC	*

Volume	code	price
100	wood Box-100	*
200	wood Box-200	*
300	wood Box-300	*
500	wood Box-500	*
800	wood Box-800	*
1000	wood Box-1000	*
1500	wood Box-1500	*
2000	wood Box-2000	*
2500	wood Box-2500	*
3000	wood Box-3000	*
4000	wood Box-4000	*
5000	wood Box-5000	*

Wooden boxes
Guarantees a better protection of the product during transport.



*Ask for a quote