



Buffer Tank

Buffer tank for the storage of the hot or cold water of the primary circuit, for heating or air conditioning installations, made of carbon steel, for vertical installation on the floor. Not suitable for DHW storage.

Features

Capacities from 100 to 10,000 litres

Heating or cooling by solar energy, heat pump, boiler or CHP

Working pressure 6 bar

Maximum working temperature 90°C

Four female threaded connections in tanks up to 500 litres. Four flanged connections DIN 2576 PN-10 for tanks from 750 litres

Optional manhole for tanks up to 5,000 litres. For 6,000 to 10,00 litres a manhole DN-400 is included in the delivery

Thermal insulation of injected polyurethane rigid foam, HCFC-free λ =0.222 W/m °C.; ρ =45 to 50 kg/m³. External finishing in PVC or semi rigid polyester, depending on capacities

Applications: Storage of heating or cooling water of the primary circuit with solar energy, heat pump, boiler or CHP for any consumption and volume of storage.

Examples of use: Air conditioning installations with cooling unit, large solar energy installations with several consumers, solar energy installations with decentralised storage of DHW, and district and communal heating systems.



Technical details

Buffer Tank

Madd.	Capacity	A	В	С	D	E	F	G	н	1	J	К		Connections			s		Weight
Model	(Litres)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	1-7	2	3-4-6-8	5	9	10	(kg)
DPAC/DI 100	100	520	953	600		511	291	731	80				1/2"	1/2"	1-1/2"	3/4"			45
DPAC/DI 150	150	520	1.203	850		636	291	981	80				1/2"	1/2"	1-1/2"	3/4"			53
DPAC/DI 200	200	520	1.503	1.150		786	291	1.281	80				1/2"	1/2"	2"	3/4"			69
DPAC/DI 250	250	560	1.613	1.250		846	301	1.391	80				1/2"	1/2"	2"	3/4"			82
DPAC/DI 300	300	560	1.863	1.500		971	301	1.641	80				1/2"	1/2"	2"	3/4"			106
DPAC/DI 500	500	670	1.921	1.500		1.001	330	1.671	80				1/2"	1/2"	2"	1-1/4"			128
DPAC/DI 750	750	930	1.828	1.250	1.130	967	462	1.472	115				1/2"	1/2"	3"	1-1/4"			171
DPAC/DI 1.000	1.000	930	2.078	1.500	1.130	1.092	462	1.692	115				1/2"	1/2"	3"	1-1/4"			189
DPAC/DI 1.500	1.500	1.280	1.861	1.000	1.450	978	628	1.328	115				1/2"	1/2"	4"	1-1/4"			240
DPAC/DI 2.000	2.000	1.280	2.361	1.500	1.450	1.228	628	1.828	115				1/2"	1/2"	4"	1-1/2"			290
DPAC/DI 2.500	2.500	1.510	1.971	1.000	1.720	1.033	683	1.383	115				1/2"	1/2"	4"	1-1/2"			361
DPAC/DI 3.000	3.000	1.510	2.471	1.500	1.720	1.293	693	1.893	115				1/2"	1/2"	4"	1-1/2"			432
DPAC/DI 4.000	4.000	1.910	2.190	1.000	2.050	1.138	788	1.488	115				1/2"	1/2"	4"	1-1/2"			590
DPAC/DI 5.000	5.000	1.910	2.690	1.500	2.050	1.388	788	1.988	115				1/2"	1/2"	4"	1-1/2"			701
DPAC/DI 6.000	6.000	1.910	3.190	2.000	2.050	1.631	781	2.481	115	946	1.476	2.470	1/2"	1-1/2"	4"	2"	DN-400	1/2"	904
DPAC/DI 7.000	7.000	1.910	3.694	2.500	2.050	1.881	781	2.981	115	946	1.476	2.970	1/2"	1-1/2"	4"	2"	DN-400	1/2"	1.030
DPAC/DI 8.000	8.000	1.910	3.944	2.750	2.050	2.006	781	3.231	115	946	1.476	3.220	1/2"	1-1/2"	5"	2"	DN-400	1/2"	1.096
DPAC/DI 9.000	9.000	1.910	4.444	3.250	2.050	2.256	781	3.731	115	946	1.476	3.720	1/2"	1-1/2"	5"	2"	DN-400	1/2"	1.223
DPAC/DI 10.000	10.000	1.910	4.694	3.500	2.050	2.381	781	3.981	115	946	1.476	3.970	1/2"	1-1/2"	5"	2"	DN-400	1/2"	1.308

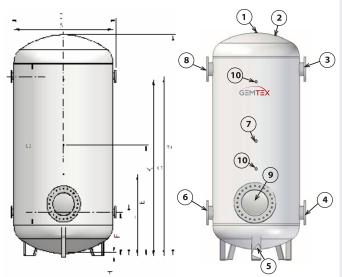
Always install safety valves

Buffer tanks are available in 316L stainless steel for DHW storage upon request

Up to 500 litres

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From 750 litres



- 1 Purge
- 2 Safety valve
- 3 Flow to heating circuit
- 4 Return from heating circuit
- 5 Drain
- **6** Return to boiler
- **7** Connection for thermometer
- 8 Flow from boiler
- **9** Manhole DN-400 (only for tanks from 6,000 litres)

D*: only for models from 750 litres, with flanged connections

- **10** Connection for probe (only for tanks from 6,000 litres)
- **11** The tanks are supplied with 40mm lifting lugs from 1,000 litres

Additional connections and pockets are available upon request

Commercial Hot Water Tank

Storage tank with spiral coil, for domestic hot water, made of AISI316 stainless steel for installation on the floor up to 5,000 litres

Features

Capacities from 80 to 5,000 standard litres or larger capacities on request

Heated by gas boiler, oil or biomass, through a spiral heat exchanger inside the tank

DHW working pressure 6, 8 or 10 bar, spiral coil working pressure 6 bar

Maximum working temperature 90°C

Thermal insulation of injected polyurethane rigid foam, HCFC-free λ =0.222 W/m °C.; ρ =45 to 50 kg/m³. External finishing in PVC or semi rigid polyester, depending on capacities

Cathodic protection by Correx-up permanent titanium anodes (OPTIONAL)

OPTIONAL manholes: DN-150, DN-200, DN-250 or DN-400

Applications: Storage and production of domestic hot water.

Examples of use: Family houses, hotels, rural tourism houses, gyms, and residential buildings with centralised hot water.



Technical details

Commercial Hot Water Tank

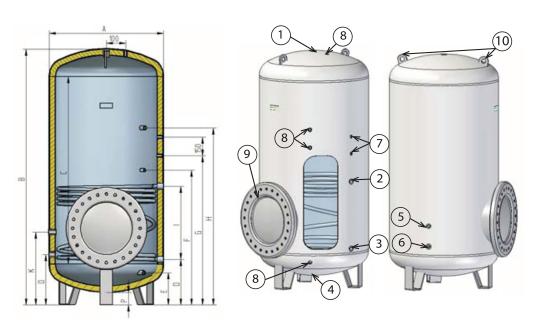
Model	Nominal capacity (Litres)	Effective capacity (Litres)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	l (mm)	K (mm)	P (mm)
DPI/I 80	80	82	440	1.084	750	277			667		240	457	80
DPI/I 100	100	105	520	963	600	292			642		200	472	80
DPI/I 150	150	156	520	1.213	850	292			722		280	472	80
DPI/I 200	200	210	520	1.513	1.150	292			722		280	472	80
DPI/I 300	300	305	560	1.886	1.500	303			933		480	483	80
DPI/I 400	400	401	670	1.684	1.250	327			917		440	507	80
DPI/I 500	500	498	670	1.934	1.500	327			917		440	507	80
DPI/I 750	750	812	930	1.838	1.250	412		1.112	1.242		680	592	115
DPI/I - DPI/IBR 1.000	1.000	1.014	930	2.088	1.500	412		1.112	1.242		592	680	115
DPI/I - DPI/IBR 1.500	1.500	1.508	1.280	1.834	1.000	545		1.225	1.265		640	725	115
DPI/I - DPI/IBR 2.000	2.000	2.006	1.280	2.334	1.500	545		1.245	1.375		680	725	115
DPI/I - DPI/IBR 2.500	2.500	2.500	1.510	1.984	1.000	610		1.290	1.330		640	790	115
DPI/I - DPI/IBR 3.000	3.000	3.000	1.510	2.484	1.500	610		1.310	1.440	1.560	680	790	115
DPI/I - DPI/IBR 3.500	3.500	3.500	1.510	2.734	1.750	610		1.310	1.440	1.560	680	790	115
DPI/I - DPI/IBR 4.000	4.000	4.000	1.910	2.183	1.000	734	564	1.410	1.454		640	884	115
DPI/I - DPI/IBR 5.000	5.000	5.000	1.910	2.683	1.500	734		1.434	1.564	1.684	680	884	115

	Nominal	Effective	Power	Coil volume	Loss of coil	Circulating	1 st hour production	Continuous			Connec	tions			Weight*	Energy	Static heat loss
Model	capacity (Litres)	capacity (Litres)	(kw)	(L)	load (m c a)	primary flow (L/h)	(L/h)	production (L/h)	1-6	2-3	4	5	7	8	(kg)	efficiency	heat loss (w)
DPI/I 80	80	82	18,3	1,25	0,02	790	550	450	3/4"	3/4"	3/4"	3/4"	1/2"	3/4"	26	В	44
DPI/I 100	100	105	21,1	1,45	0,04	910	632	520	3/4"	3/4"	3/4"	3/4"	1/2"	3/4"	28	В	47
DPI/I 150	150	156	26,4	1,45	0,06	1.137	838	650	3/4"	3/4"	3/4"	3/4"	1/2"	3/4"	33	В	52
DPI/I200	200	210	26,4	2,17	0,06	1.137	964	650	3/4"	3/4"	3/4"	3/4"	1/2"	3/4"	42	В	57
DPI/I 300	300	305	30,5	2,17	0,08	1.312	1.071	750	3/4"	3/4"	3/4"	3/4"	1/2"	3/4"	60	C	88
DPI/I 400	400	401	37,0	4,14	0,13	1.312	1.240	910	1-1/4"	3/4"	1-1/4"	3/4"	1/2"	3/4"	68	С	90
DPI/I 500	500	498	37,0	4,14	0,13	1.312	1.240	910	1-1/4"	3/4"	1-1/4"	3/4"	1/2"	3/4"	74	С	96
DPI/I 750	750	821	46,3	5,34	0,26	1.995	1.897	1.140	1-1/4"	1"	1-1/4"	3/4"	1/2"	3/4"	125		114
DPI/I - DPI/IBR 1.000	1.000	1.014	49,4	6,73	0,27	2.126	2.002	1.215	1-1/4"	1"	1-1/4"	3/4"	1/2"	3/4"	135		122
DPI/I - DPI/IBR 1.500	1.500	1.508	61,4	9,32	0,40	2.642	2.130	1.510	1-1/2"	1-1/4"	1-1/2"	1"	1/2"	3/4"	198		136
DPI/I - DPI/IBR 2.000	2.000	2.006	93,8	13,90	1,04	4.034	3.145	2.305	1-1/2"	1-1/4"	1-1/2"	1"	1/2"	3/4"	250		151
DPI/I - DPI/IBR 2.500	2.500	2.500	103,3	13,90	1,42	4.445	3.590	2.540	1-1/2"	1-1/4"	1-1/2"	1"	1/2"	3/4"	295		
DPI/I - DPI/IBR 3.000	3.000	3.000	132,6	16,20	2,20	5.705	4.520	3.260	2"	1-1/4"	1-1/2"	1"	1/2"	3/4"	353		
DPI/I - DPI/IBR 3.500	3.500	3.500	151,8	16,20	2,20	5.705	4.520	3.730	2"	1-1/4"	1-1/2"	1"	1/2"	3/4"	380		
DPI/I - DPI/IBR 4.000	4.000	4.000	187,6	18,53	4,65	8.067	6.290	4.610	3"	1-1/4"	1-1/2"	1"	1/2"	3/4"	504		
DPI/I - DPI/IBR 5.000	5.000	5.000	217.3	20.71	7.20	9.345	7,440	5.340	3"	1-1/4"	1-1/2"	1"	1/2"	3/4"	599		

Always install safety valves

* Estimated weight for 6 bar, without manhole Working conditions PRIMARY: 90/70°C, SECONDARY 10/40°C

Weight of manholes											
DN-150	DN-200	DN-250	DN-400								
16 kg	29 kg	19 kg	35 kg								



- **1** DHW outlet
- 2 Primary circuit inlet
- **3** Primary circuit return
- **4** Drain
- **5** Recirculation
- 6 Cold water inlet
- 7 Connection for thermometer and thermostat
- 8 Connections for cathodic protection
- **9** Manhole
- 10 The tanks are supplied with 40mm lifting lugs from 1,000 litres

Stainless Steel Storage Tank

Storage tank for domestic hot water AISI 316 stainless steel for vertical wall installation up to 150 litres or for vertical installation on the floor up to 5,000 litres

Features

Standard capacities from 80 to 5,000 litres, or larger capacities on request

Heating by solar energy, gas boiler, oil or biomass, through a spiral heat exchanger

Working pressure 6, 8 or 10 bar

Maximum working temperature 90°C

Cathodic protection by Correx-up permanent titanium anodes (OPTIONAL)

Thermal insulation of injected polyurethane rigid foam, HCFC-free λ =0.222 W/m °C.; ρ =45 to 50 kg/m³. External finishing in PVC or semi rigid polyester, depending on capacities

OPTIONAL manholes: DN-150, DN-200, DN-250 or DN-400. For capacities greater than 750 litres and solar heating manhole DN-400 is compulsary, according to the CTE (Spanish Technical Construction Code)

Applications: Storage of domestic hot water for consumptions with medium and large storage volumes, with production through a plate heat exchanger.

Examples of use: Hotels, hospitals, gyms, penitentiaries, barracks, residential buildings with centralised hot water.



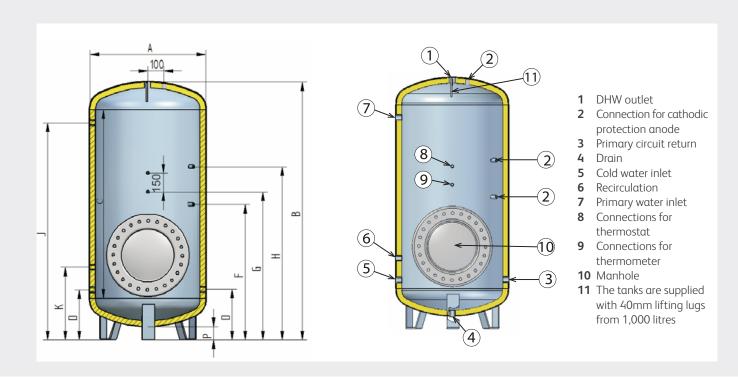
Technical details

Stainless Steel Storage Tank

	Nominal	Effective	A	В	c	D	F	G	н	J.	к	Р		Connections				Weight*	Energy	Static heat	
Model	capacity (Litres)	capacity (Litres)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	1-5	2	3-7	4	6	8-9	(kg)	efficiency	loss (w)
DPI/A - DPI/AM 80	80	82	440	1.084	750	277		582		887	457	80	3/4"	3/4"	3/4"	3/4"	3/4"	1/2"	25	В	44
DPI/A 100 ó DPI/AM 100	100	105	520	963	600	292		522		752	472	80	3/4"	3/4"	3/4"	3/4"	3/4"	1/2"	26	В	47
DPI/A - DPI/AM 150	150	156	520	1.213	850	292		647		1.002	472	80	3/4"	3/4"	3/4"	3/4"	3/4"	1/2"	30	В	52
DPI/A 200	200	210	520	1.513	1.150	292		797		1.302	472	80	3/4"	3/4"	3/4"	3/4"	3/4"	1/2"	39	В	57
DPI/A 300	300	305	560	1.886	1.500	303		983		1.663	483	80	3/4"	3/4"	3/4"	3/4"	3/4"	1/2"	57	С	88
DPI/A 400	400	401	670	1.684	1.250	327		882		1.437	507	80	1-1/4"	3/4"	1-1/4"	1-1/4"	3/4"	1/2"	65	С	90
DPI/A 500	500	498	670	1.934	1.500	327		1.007		1.687	507	80	1-1/4"	3/4"	1-1/4"	1-1/4"	3/4"	1/2"	71	С	96
DPI/A 750	750	821	930	1.838	1.250	412	742	967		1.522	592	115	1-1/4"	3/4"	1-1/4"	1-1/4"	3/4"	1/2"	119		114
DPI/A - DPI/ABR 1.000	1.000	1.014	930	2.088	1.500	412	1.082	1.092		1.772	592	115	1-1/4"	3/4"	1-1/4"	1-1/4"	3/4"	1/2"	129		122
DPI/A - DPI/ABR 1.500	1.500	1.508	1.280	1.834	1.000	545	775	1.175		1.405	725	115	1-1/2"	3/4"	1-1/2"	1-1/2"	1"	1/2"	180		136
DPI/A - DPI/ABR 2.000	2.000	2.006	1.280	2.334	1.500	545	975	1.225		1.905	725	115	1-1/2"	3/4"	1-1/2"	1-1/2"	1"	1/2"	225		151
DPI/A - DPI/ABR 2.500	2.500	2.500	1.510	1.984	1.000	610	840	1.240		1.470	790	115	1-1/2"	3/4"	1-1/2"	1-1/2"	1"	1/2"	269		
DPI/A - DPI/ABR 3.000	3.000	3.000	1.510	2.484	1.500	610	1.040	1.290	1.540	1.970	790	115	2"	3/4"	2"	1-1/2"	1"	1/2"	322		
DPI/A - DPI/ABR 3.500	3.500	3.500	1.510	2.734	1.750	610	1.040	1.415	1.790	2.220	790	115	2"	3/4"	2"	1-1/2"	1"	1/2"	349		
DPI/A - DPI/ABR 4.000	4.000	4.000	1.910	2.183	1.000	734	934	1.334	1.334	1.534	884	115	3"	3/4"	2"	1-1/2"	1"	1/2"	472		
DPI/A - DPI/ABR 5.000	5.000	5.000	1.910	2.683	1.500	734	1.134	1.384	1.634	2.034	884	115	3"	3/4"	2"	1-1/2"	1"	1/2"	560		

Always install safety valves

	Weight of manholes											
Г	DN-150	DN-200	DN-250	DN-400								
	16 kg	29 kg	19 kg	35 kg								



^{*} Estimated weight for 6 bar, without manhole





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