

ACCUMULATION OF PREHEATED WATER FOR DHW



TECHNICAL DESCRIPTION

The DHW thermal storage tank is designed for the accumulation and storage of water preheated in an external heat exchanger for DHW. The tank's design includes a flanged inspection hatch with a cover, intended for periodic service maintenance of the tank.

MATERIAL

The tank is made of AISI 316L (DIN 1.4404) stainless steel, meeting the highest hygienic requirements.

WARRANTY

5 years

THERMAL INSULATION

- PL/PVC - 100 mm polyester insulation in a zippered PVC fabric casing
- PU/PVC - 90 mm elastic polyurethane foam insulation in a PVC fabric casing secured with straps
- PL/ABS - 100 mm polyester insulation in an ABS plastic casing with plastic latches
- PS/ABS - 100 mm high-efficiency rigid graphite polystyrene insulation in an ABS plastic casing. Premium-class insulation - complies with all requirements of the **ErP 2009/125/EC Directive**

Tank	
P	T
6 bar	95 °C



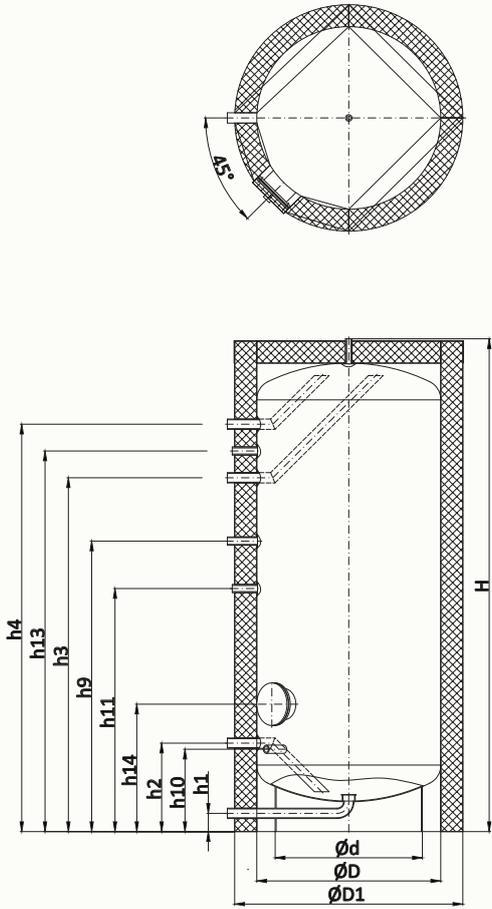
Model	Tank volume, l	Energy efficiency class of insulation*
400	413	B
500	483	B
750	773	C
1000	1008	C
1500	1449	C
2000	2158	C

*Energy efficiency class specified for PS/ABS insulation

CUSTOM DRAW

Water heaters can be designed and manufactured according to customer requirements, allowing for modifications in dimensions and connection configurations.

DIMENSIONS AND CONNECTION

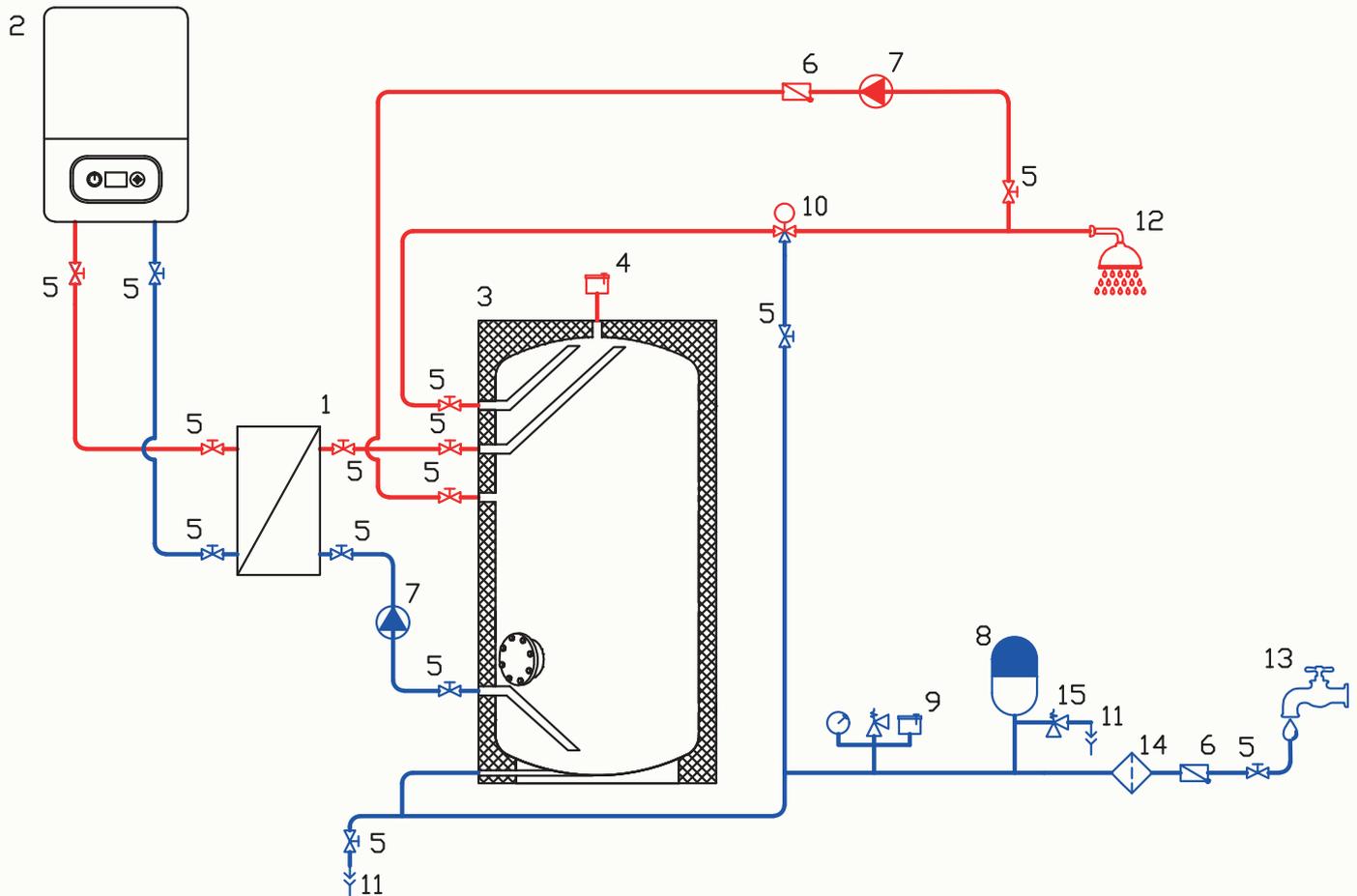


DESIGNATION	
H	Air vent
h1	Cold water supply, drainage
h2	Return line of the external heat exchanger
h3	Supply line of the external heat exchanger
h4	Hot water outlet
h9	Recirculation
h10-h13	Connections for control, regulation, and measuring equipment
h14	Flange, Ø115 mm

Model	Dimensions, mm				Connection sizes, mm									
	ØD1	ØD	Ød	H	h1	h2	h3	h4	h9	h10	h11	h13	h14	
400	800	600	450	1705	75	321	1161	1381	1001	296	856	1271	481	
				1/2"	1"			3/4"						
500	800	600	450	1955	75	321	1411	1631	1131	296	956	1521	481	
				1/2"	1"			3/4"						
750	950	750	600	2025	75	363	1453	1673	1173	338	998	1563	523	
				1/2"	1 1/4"			1"	3/4"					
1000	1050	850	700	2060	75	380	1470	1690	1190	355	1015	1580	540	
				1/2"	1 1/4"			1"	3/4"					
1500	1200	1000	850	2200	75	461	1551	1771	1271	436	1096	1661	621	
				1/2"	1 1/2"			1 1/4"	3/4"					
2000	1400	1200	1000	2300	75	511	1601	1821	1321	486	1146	1711	671	
				1/2"	1 1/2"			1 1/4"	3/4"					
3000	1600	1400	1150	2410	75	566	1656	1876	1376	541	1201	1766	726	
				1/2"	1 1/2"			1 1/4"	3/4"					

EXAMPLE OF A SCHEMATIC DIAGRAM

The schematic diagram does not replace qualified installation: during design, relevant standards and regulations must be followed.



DESIGNATION

- | | | | | | |
|---|-------------------------------|----|----------------------------------|----|---------------------------|
| 1 | External plate heat exchanger | 6 | Check valve | 11 | Safety valve |
| 2 | Gas/electric boiler | 7 | Circulation pump | 12 | Domestic hot water system |
| 3 | VTN 3 water heater | 8 | розширювальний бак | 13 | Water supply system |
| 4 | Boiler safety group | 9 | Water supply system safety group | 14 | Mesh filter |
| 5 | Ball valve | 10 | Three-way mixing valve | 15 | Drainage |