



BXV

STAINLESS STEEL CYLINDER WITH FIXED HEAT EXCHANGER FOR SANITARY HOT WATER

173 - 977 litres

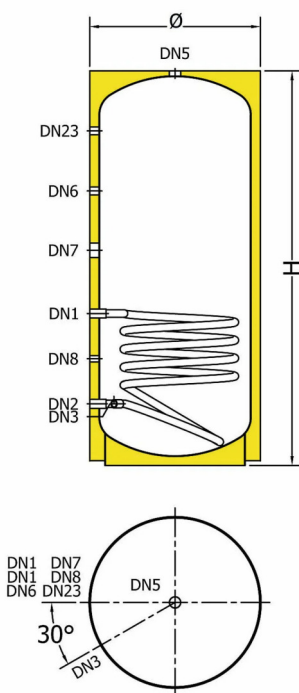
Installations

Traditional boilers (wall-hung and/or floor-standing).
Condensing boilers.
Solar thermal systems.

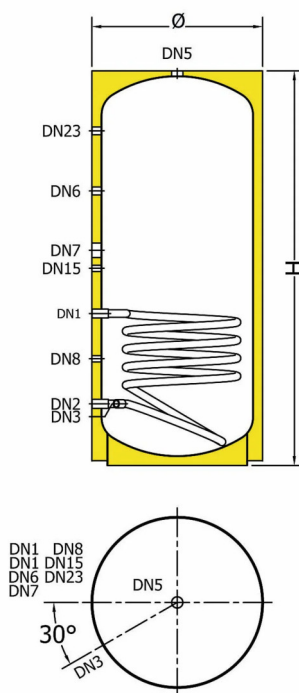
CHARACTERISTICS

MAX TEMPERATURE	95 °C	MAX PRESSURE	6 bar
EXCHANGER MAX TEMPERATURE	110 °C	EXCHANGER MAX PRESSURE	10 bar

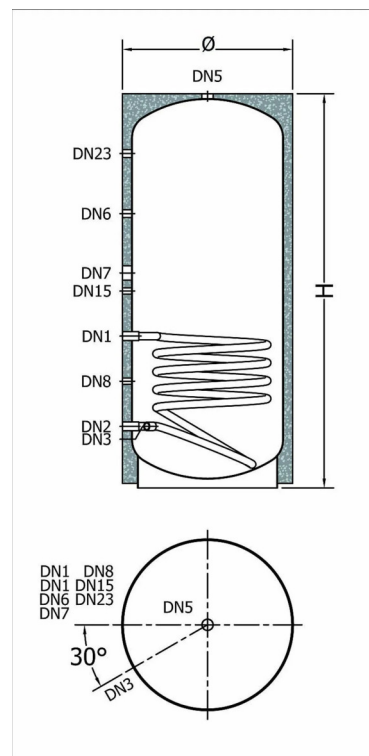
BXV 170



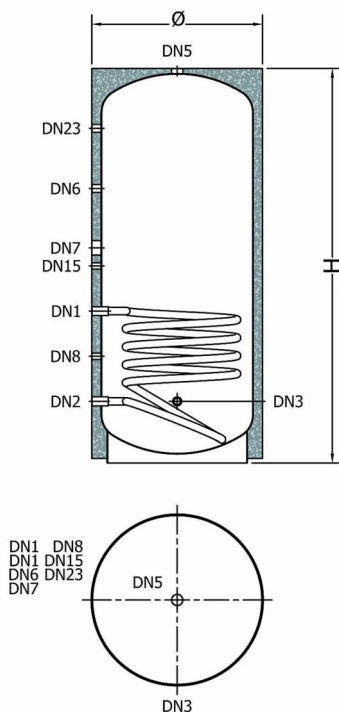
BXV 200 - 300



BXV 400 - 500



BXV 600 - 1000



Keyword

DN	Description
DN1	Flow to heat exchanger
DN2	Flow from heat exchanger
DN3	Mains water supply
DN5	DHW draw-off
DN6	Recirculation
DN7	Predisposition for immersion heater
DN8	Thermostat
DN11	Drain
DN15	Probe
DN23	Safety valve

Model	Code	Cl. Energ.	St. loss W	Capacity L	P _{MAX}	EXCHANGER		H mm	Ø mm	Pm mm
						m ²	l			
BXV 170	A3X0H45 VB005	B	51	173	6	1.2	4	1070	610	1100
BXV 200	A3X0H47 VB005	B	61	224	6	1.2	4	1320	610	1345
BXV 300	A3X0H51 VB005	C	79	320	6	1.2	4	1820	610	1840
BXV 400	A3X0H53 VB005	C	93	401	6	1.5	5	1590	710	1625
BXV 500	A3X0H55 VB005	C	104	471	6	1.5	5	1840	710	1870
BXV 600	A3X0H57 VA010	C	110	578	6	2.4	13	2010	850	2050
BXV 800	A3X0H60 VA010	C	118	752	6	2.7	14	1890	990	1940
BXV 1000	A3X0H62 VA010	C	129	923	6	3	16	2240	990	2290

Pm: pivot measurement

Connection heights (mm)

MODEL	DN1	DN2	DN3	DN5	DN6	DN7	DN8	DN11	DN15	DN23
BXV 170	495	215	215	-	700	615	310	-	-	845
BXV 200	495	215	215	-	960	690	310	-	590	1100
BXV 300	495	215	215	-	1295	890	355	-	775	1595
BXV 400	495	215	215	-	1055	790	355	-	675	1345
BXV 500	495	215	215	-	1295	890	355	-	775	1595
BXV 600	760	330	330	-	1270	1005	470	-	890	1710
BXV 800	810	380	380	-	1220	1080	580	-	945	1510
BXV 1000	980	380	380	-	1490	1250	580	-	1115	1860

Connection sizes

MODEL	DN1	DN2	DN3	DN5	DN6	DN7	DN8	DN11	DN15	DN23
BXV 170	G3/4" M	G3/4" M	G3/4" M	G3/4"	G3/4"	G1.1/2"	G1/2"	-	-	G1/2"
BXV 200	G3/4" M	G3/4" M	G3/4" M	G3/4"	G3/4"	G1.1/2"	G1/2"	-	G1/2"	G1/2"
BXV 300	G3/4" M	G3/4" M	G3/4" M	G3/4"	G3/4"	G1.1/2"	G1/2"	-	G1/2"	G1/2"
BXV 400	G3/4" M	G3/4" M	G1"	G1"	G3/4"	G1.1/2"	G1/2"	-	G1/2"	G1/2"
BXV 500	G3/4" M	G3/4" M	G1"	G1"	G3/4"	G1.1/2"	G1/2"	-	G1/2"	G1/2"
BXV 600	G1"	G1"	G1.1/2"	G1.1/2"	G1"	G1.1/2"	G1/2"	G1"	G1/2"	G1/2"
BXV 800	G1"	G1"	G1.1/2"	G1.1/2"	G1"	G1.1/2"	G1/2"	G1"	G1/2"	G1/2"
BXV 1000	G1"	G1"	G1.1/2"	G1.1/2"	G1"	G1.1/2"	G1/2"	G1"	G1/2"	G1/2"

Protective devices

Model	Recommened sanitary expansion tank(*)
BXV 170	DP-8
BXV 200	DP-11
BXV 300	DP-18
BXV 400	DP-24
BXV 500	DP-24
BXV 600	DP-35
BXV 800	DPV-50
BXV 1000	DPV-80

(*) The expansion tank must always be sized by an expert thermotechnical designer on the basis of the actual data

Insulation characteristics

Model	Insulation type	Insulation thickness (mm)	Finish
BXV 170	Rigid expanded polyurethane with 95% closed cells, CFC and HCFC free, fire resistance class B2 acc. to DIN 4102-1	50	RAL 5017 Blue PVC
BXV 200	Rigid expanded polyurethane with 95% closed cells, CFC and HCFC free, fire resistance class B2 acc. to DIN 4102-1	50	RAL 5017 Blue PVC
BXV 300	Rigid expanded polyurethane with 95% closed cells, CFC and HCFC free, fire resistance class B2 acc. to DIN 4102-1	50	RAL 5017 Blue PVC
BXV 400	Graphite polystyrene	50	RAL 5017 Blue PVC
BXV 500	Graphite polystyrene	50	RAL 5017 Blue PVC
BXV 600	Graphite polystyrene	100	RAL 5017 Blue PVC
BXV 800	Graphite polystyrene	100	RAL 5017 Blue PVC
BXV 1000	Graphite polystyrene	100	RAL 5017 Blue PVC

Reference standards

Directive 2014/68/EU – ART. 4.3, with exemption from CE marking.

EN 12897:2020 standard.

Designed and built in accordance with the requirements of 2009/125/EC and Regulation 814/2013 (EU).

Labeling in accordance with the requirements of 2017/1369/EU and Delegated Regulation 812/2013 (EU).

Warranty: 5 years

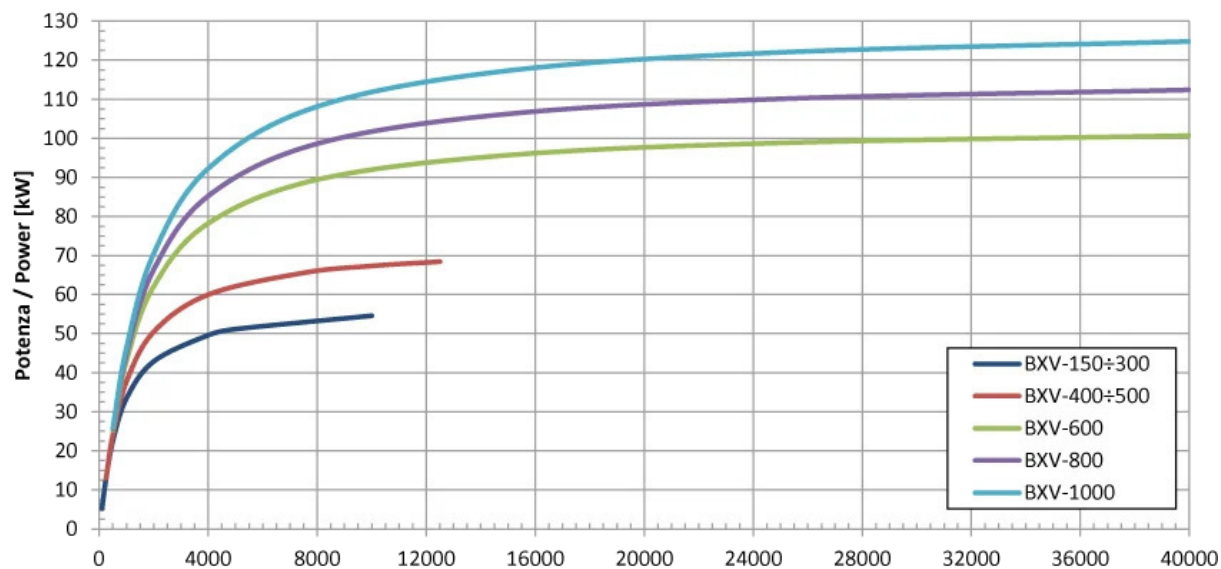
Immersion heaters

Codice	Potenza Kw	Alimentazione V	Attacco	Lunghezza mm		200	300	Applicabilità				
								400	500	600	800	1000
IMMERSION HEATERS WITHOUT THERMOSTAT												
8601000	1	220	G1.1/4"	295	✓	✓	✓	✓	✓	✓	✓	✓
8601650	1.65	220	G1.1/4"	450	248	321	✓	✓	✓	✓	✓	✓
8602000	2	220	G1.1/4"	515	✗	✗	✗	✓	✓	✓	✓	✓
8602600	2.6	220	G1.1/4"	675	✗	✗	✗	✗	✗	✗	✓	✓
8602601	2.6	220	G1.1/4"	360	157	203	291	✓	✓	✓	✓	✓
8603300	3.3	220	G1.1/4"	825	✗	✗	✗	✗	✗	✗	✗	✗
8603301	3.3	220	G1.1/4"	435	124	160	229	287	337	✓	✓	✓
8604001	4	220	G1.1/4"	510	✗	✗	✗	237	278	341	✓	✓
8705000	5	400	G1.1/2"	445	82	106	151	189	222	273	355	✓
8706000	6	400	G1.1/2"	510	✗	✗	✗	158	185	227	296	✓
8708000	8	400	G1.1/2"	670	✗	✗	✗	✗	✗	✗	222	272
8710000	10	400	G1.1/2"	820	✗	✗	✗	✗	✗	✗	✗	✗
8712000	12	400	G1.1/2"	970	✗	✗	✗	✗	✗	✗	✗	✗
IMMERSION HEATERS WITH THERMOSTAT												
8T01500	1.5	230	G1.1/2"	320	272	353	✓	✓	✓	✓	✓	✓
8T02000	2	230	G1.1/2"	320	204	264	✓	✓	✓	✓	✓	✓
8T02200	2.2	230	G1.1/2"	320	186	240	343	✓	✓	✓	✓	✓
8T02500	2.5	230	G1.1/2"	320	163	212	302	✓	✓	✓	✓	✓
8T03000	3	230	G1.1/2"	320	136	176	252	316	✓	✓	✓	✓
8T04000	4	400	G1.1/2"	400	102	132	189	237	278	341	✓	✓
8T05000	5	400	G1.1/2"	500	✗	✗	✗	189	222	273	355	✓
8T06000	6	400	G1.1/2"	600	✗	✗	✗	✗	✗	227	296	✓
8T09000	9	400	G1.1/2"	700	✗	✗	✗	✗	✗	✗	197	242
8T12000	12	400	G1.1/2"	850	✗	✗	✗	✗	✗	✗	✗	✗

Typical performances

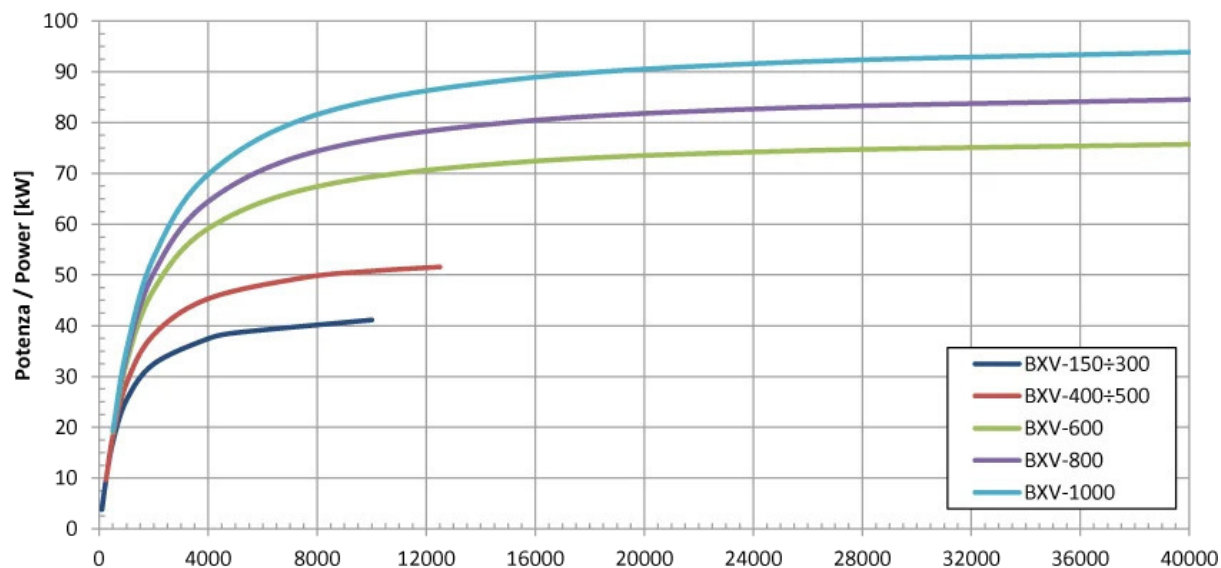
Exch. power

$T_{in,coil} = 80\text{ }^{\circ}\text{C}$; $T_{serb,in} = 10\text{ }^{\circ}\text{C}$, $T_{serb,out} = 45\text{ }^{\circ}\text{C}$



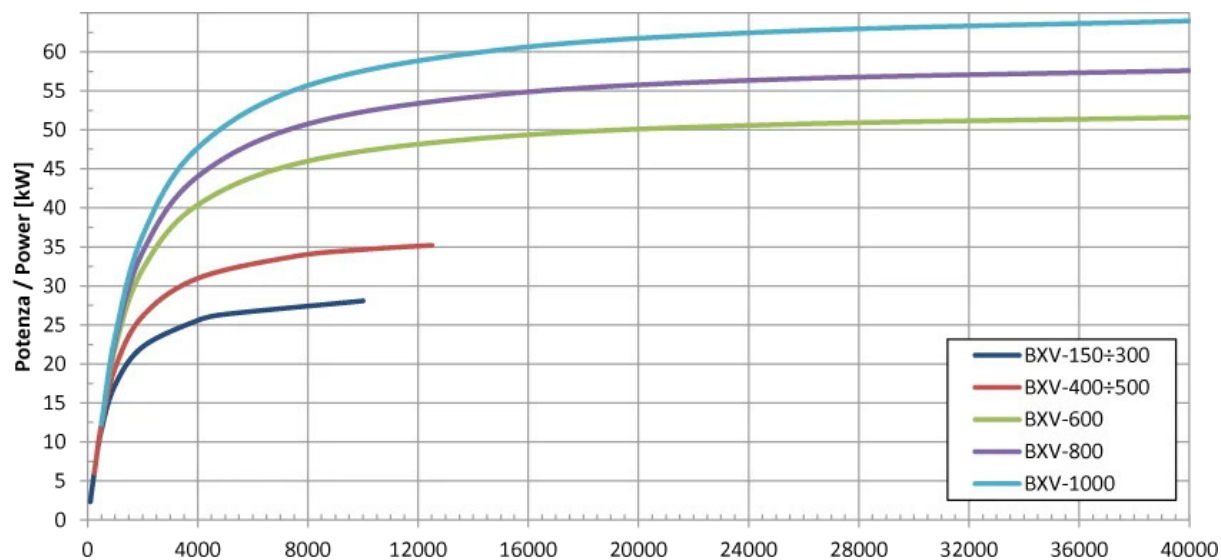
Exch. power

$T_{in,coil} = 70\text{ }^{\circ}\text{C}$; $T_{serb,in} = 10\text{ }^{\circ}\text{C}$, $T_{serb,out} = 45\text{ }^{\circ}\text{C}$



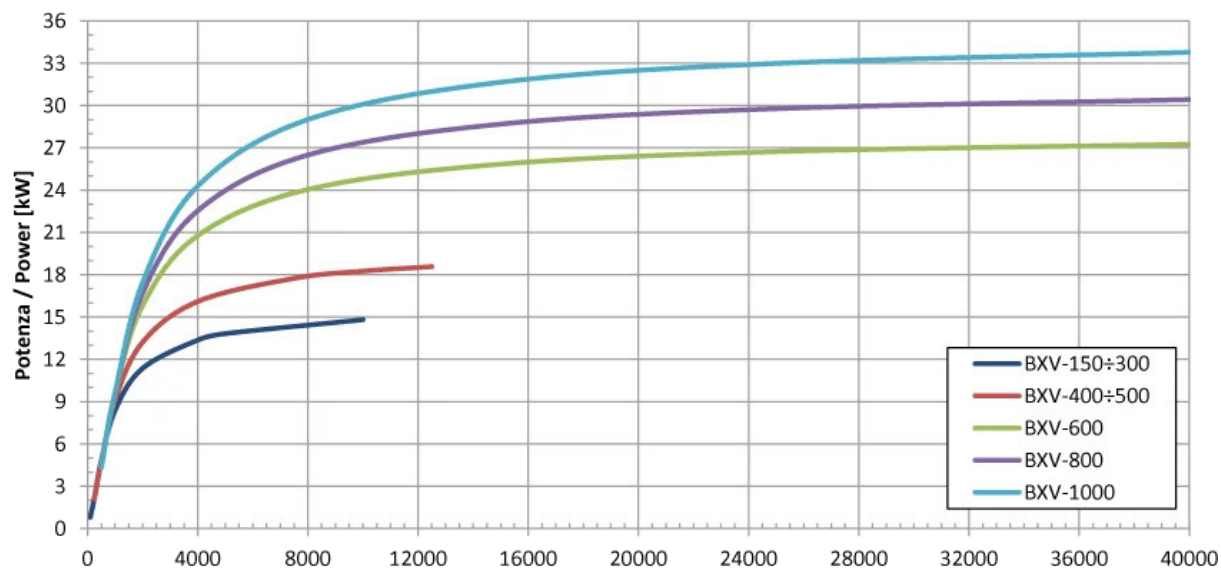
Exch. power

$T_{in,coil} = 60\text{ }^{\circ}\text{C}$; $T_{serb,in} = 10\text{ }^{\circ}\text{C}$, $T_{serb,out} = 45\text{ }^{\circ}\text{C}$

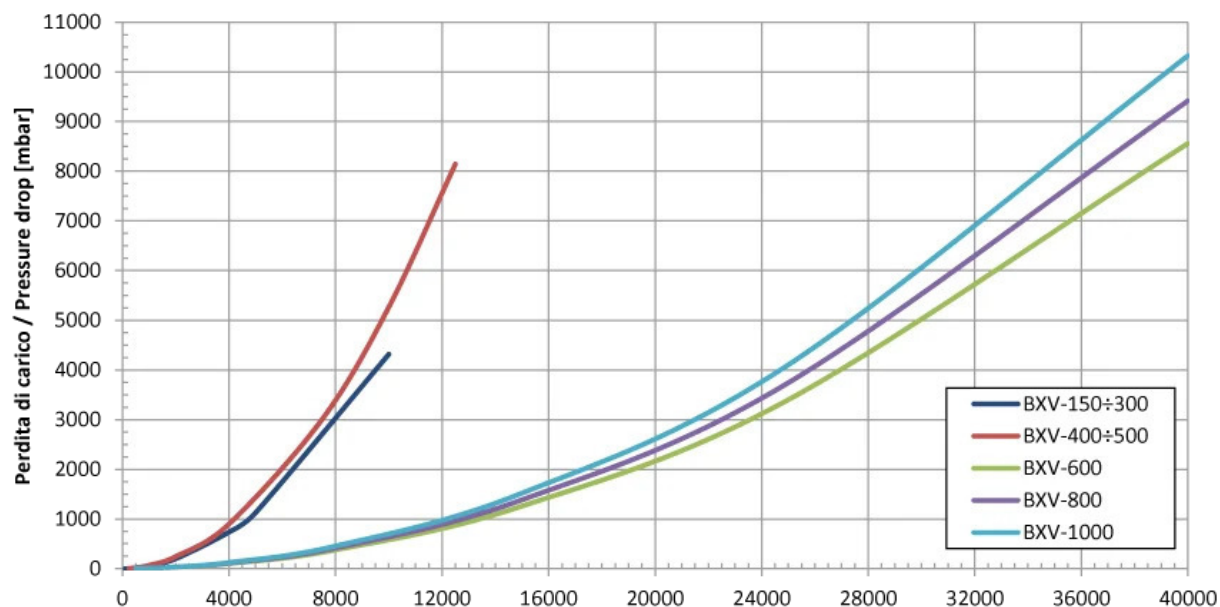


Exch. power

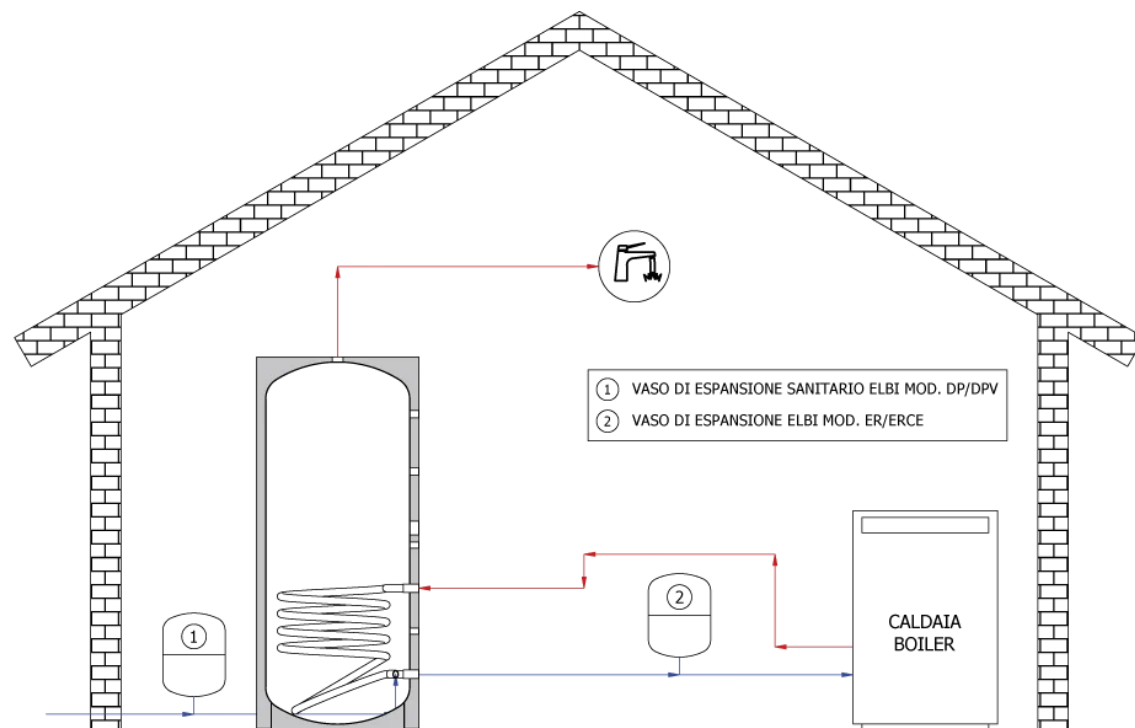
$T_{in,coil} = 50\text{ }^{\circ}\text{C}$; $T_{serb,in} = 10\text{ }^{\circ}\text{C}$, $T_{serb,out} = 45\text{ }^{\circ}\text{C}$



Coil pressure drop



Example of installation



Illustrative diagram; always refer to a qualified technician for the realization of the systems.