



Hybrid BSPT

GLASSLINED DHW CYLINDERS WITH TWO FIXED EXCHANGERS FOR DHW PRODUCTION WITH HYBRID SYSTEMS (HEAT PUMP AND BOILER)

261-453 litres

INTERNAL GLASSLINING:

The glasslining treatment according to DIN 4753 makes the cylinder suitable to contain hot water for sanitary use and resistant to corrosive phenomena.

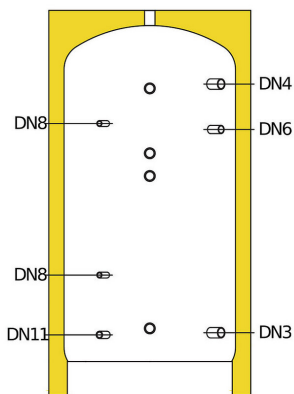
Installations

Heat pumps.
Hybrid systems.
Systems with heat pump and solar integration.

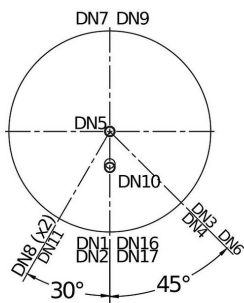
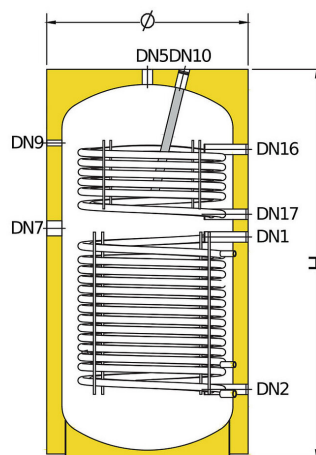
CHARACTERISTICS

MAX TEMPERATURE	95 °C	MAX PRESSURE	10 bar
EXCHANGER MAX TEMPERATURE	110 °C	EXCHANGER MAX PRESSURE	12 bar

H-BSPT 300-500



H-BSPT 300-500



Keyword

DN	Description
DN1	Inlet from heat pump
DN2	Return to heat pump
DN3	Mains water supply
DN4	DHW draw-off
DN5	DHW draw-off
DN6	Recirculation
DN7	Predisposition for immersion heater
DN8	Thermostat
DN9	Thermometer
DN10	Magnesium anode
DN11	Drain
DN16	Inlet from integration
DN17	Return to integration

Model	Code	Cl. Energ.	St. loss W	Capacity L	Tmax	P _{MAX}	EXCHANGER				H mm	Ø skirt mm	Ø mm	Pm mm
							INF.		SUP.					
							m ²	l	m ²	l				
H-BSPT 300	A3TIL51 PGP75	B	65	261	95°C	10	2.2 /	14 /	0.9 /	7 /	1670	460	650	1800
H-BSPT 500	A3TIL55 PGP55	C	89	453	95°C	10	4 /	32 /	1.1 /	9 /	1735	600	760	1900

Pm: pivot measurement

Connection heights (mm)

MODEL	DN1	DN2	DN3	DN4	DN5	DN6	DN7	DN8	DN8	DN9	DN10	DN11	DN16	DN17
H-BSPT 300	935	275	235	1385	-	1095	995	595	1185	1385	-	220	1345	1055
H-BSPT 500	1070	290	280	1430	-	1210	1120	690	1270	1430	-	265	1420	1170

Connection sizes

MODEL	DN1	DN2	DN3	DN4	DN5	DN6	DN7	DN8	DN9	DN10	DN11	DN16	DN17
H-BSPT 300	G1"	G1"	G1"	G1"	G1"1/4	G3/4"	G1.1/2"	G1/2"	G1/2"	G1"1/4	G1/2"	G1"	G1"
H-BSPT 500	G1"1/4	G1"1/4	G1"	G1"	G1"1/4	G3/4"	G1.1/2"	G1/2"	G1/2"	G1"1/4	G1/2"	G1"1/4	G1"1/4

Protective devices

Model	Code	Nr. installed magnesium anode	Diam.Ø	Conn.	Length (mm)	Reccomended sanitary expansion tank(*)
H-BSPT 300	8560060 00002	1	32	G1.1/4"	520	DP-18
H-BSPT 500	8560060 00002	1	32	G1.1/4"	520	DP-24

(*) 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
H-BSPT 300	Rigid expanded polyurethane with 95% closed cells, CFC and HCFC free, fire resistance class B2 acc. to DIN 4102-1	75	Grey polystyrene RAL 9006
H-BSPT 500	Rigid expanded polyurethane with 95% closed cells, CFC and HCFC free, fire resistance class B2 acc. to DIN 4102-1	55	Grey polystyrene RAL 9006

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

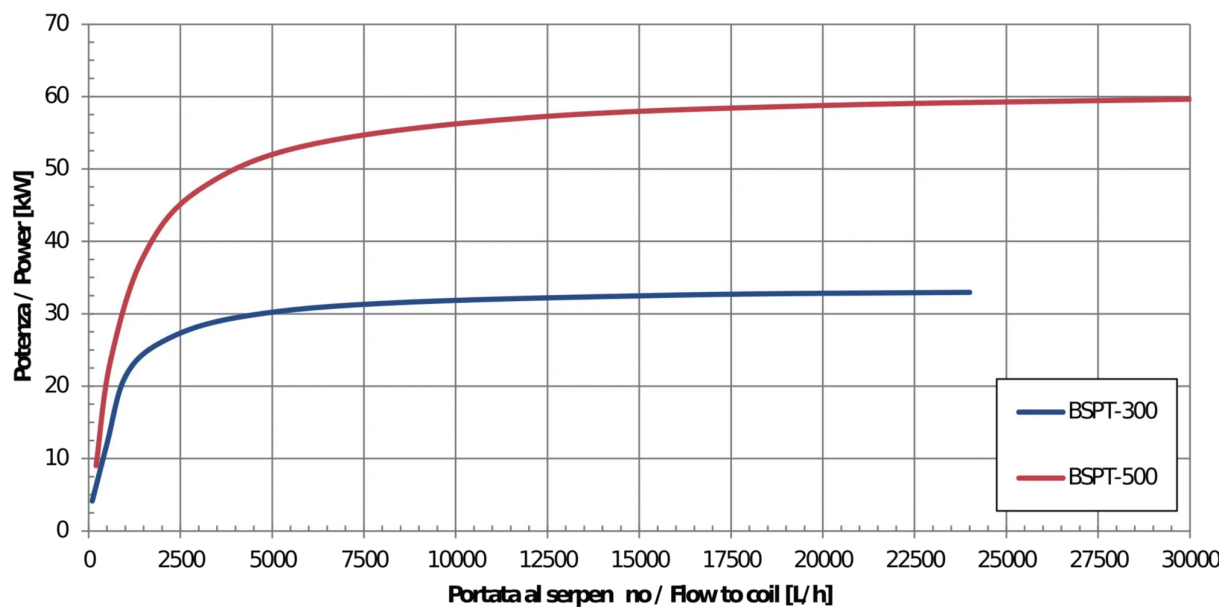
Immersion heaters

Codice	Potenza Kw	Alimentazione V	Attacco	Lunghezza mm	Applicabilità	
					300	500
IMMERSION HEATERS WITHOUT THERMOSTAT						
8601000	1	230	G1.1/4"	295	✓	✓
8601650	1.65	230	G1.1/4"	450	✗	✓
8602000	2	230	G1.1/4"	515	✗	✓
8602600	2.6	230	G1.1/4"	675	✗	✗
8602601	2.6	230	G1.1/4"	360	237	✓
8603300	3.3	230	G1.1/4"	825	✗	✗
8603301	3.3	230	G1.1/4"	435	✗	324
8604001	4	230	G1.1/4"	510	✗	267
8705000	5	400	G1.1/2"	445	✗	214
8706000	6	400	G1.1/2"	510	✗	178
8708000	8	400	G1.1/2"	670	✗	✗
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	✓	✓
8T02000	2	230	G1.1/2"	320	308	✓
8T02200	2.2	230	G1.1/2"	320	280	✓
8T02500	2.5	230	G1.1/2"	320	247	✓
8T03000	3	230	G1.1/2"	320	205	357
8T04000	4	400	G1.1/2"	400	✗	267
8T05000	5	400	G1.1/2"	500	✗	214
8T06000	6	400	G1.1/2"	600	✗	✗
8T09000	9	400	G1.1/2"	700	✗	✗
8T12000	12	400	G1.1/2"	850	✗	✗

Typical performances

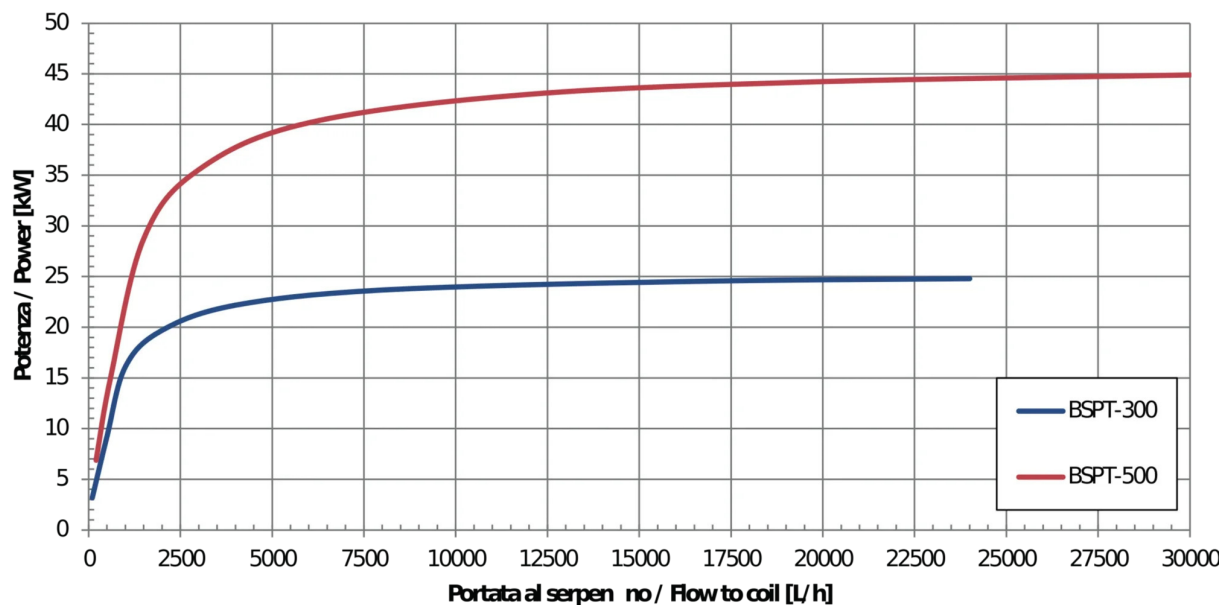
Exch. power, heat p. coil

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



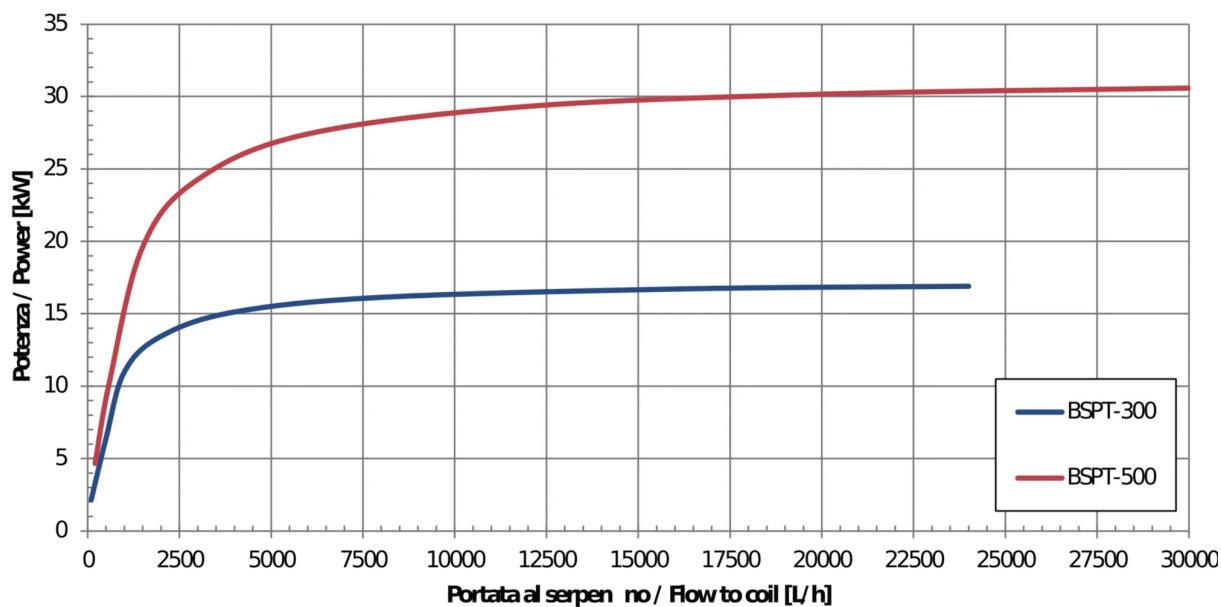
Exch. power, heat p. coil

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



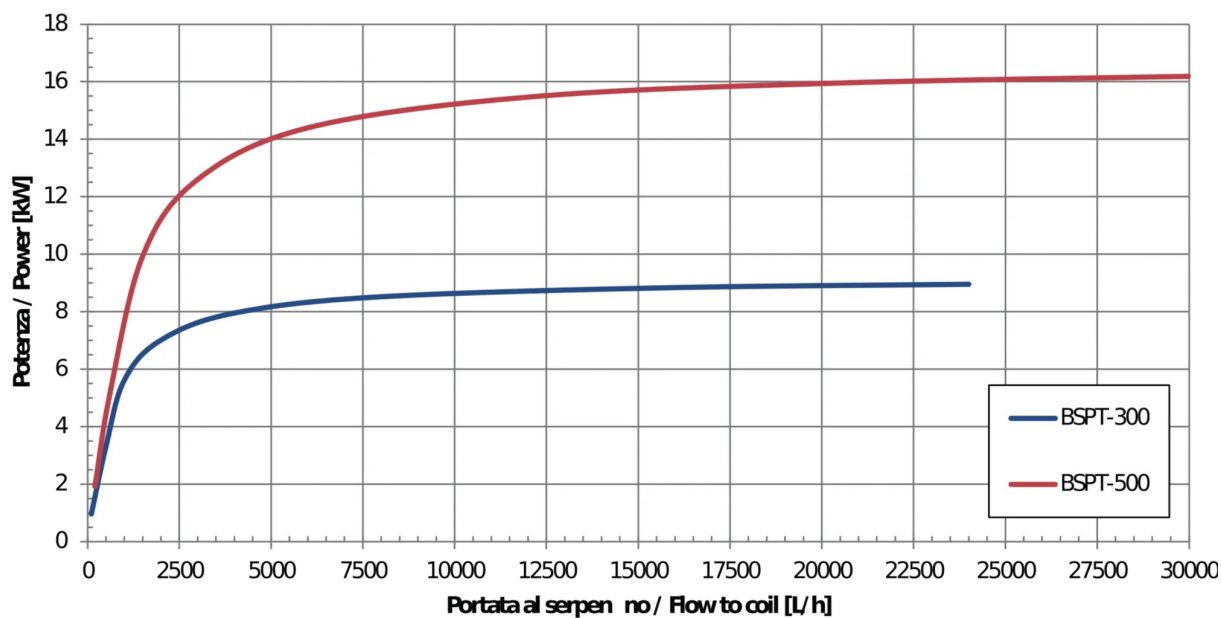
Exch. power, heat p. coil

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



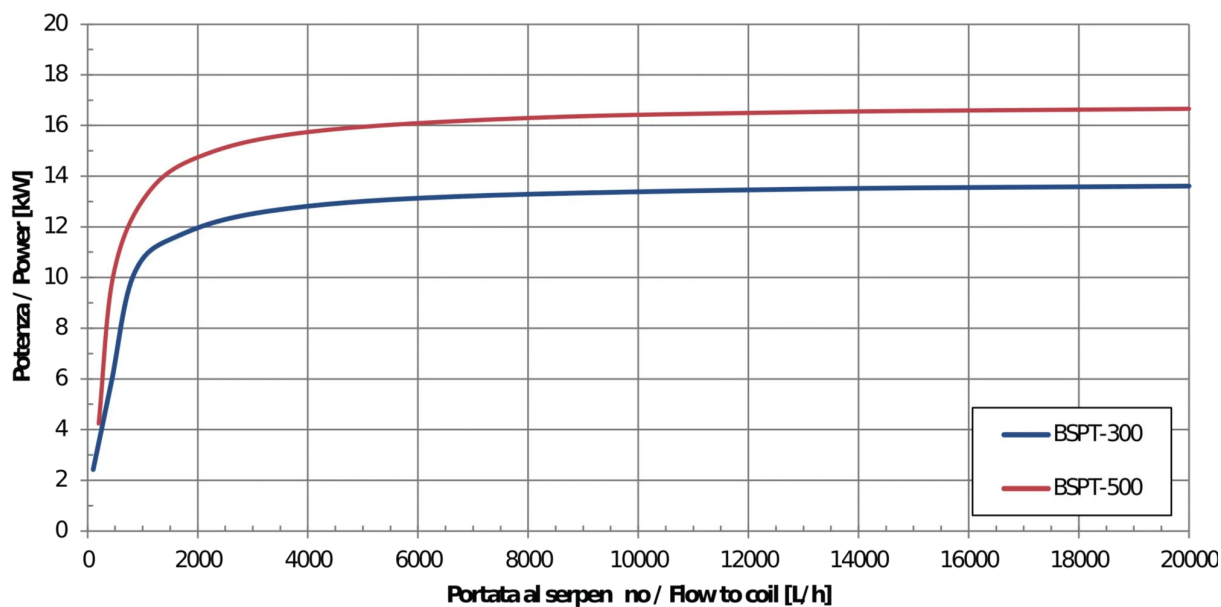
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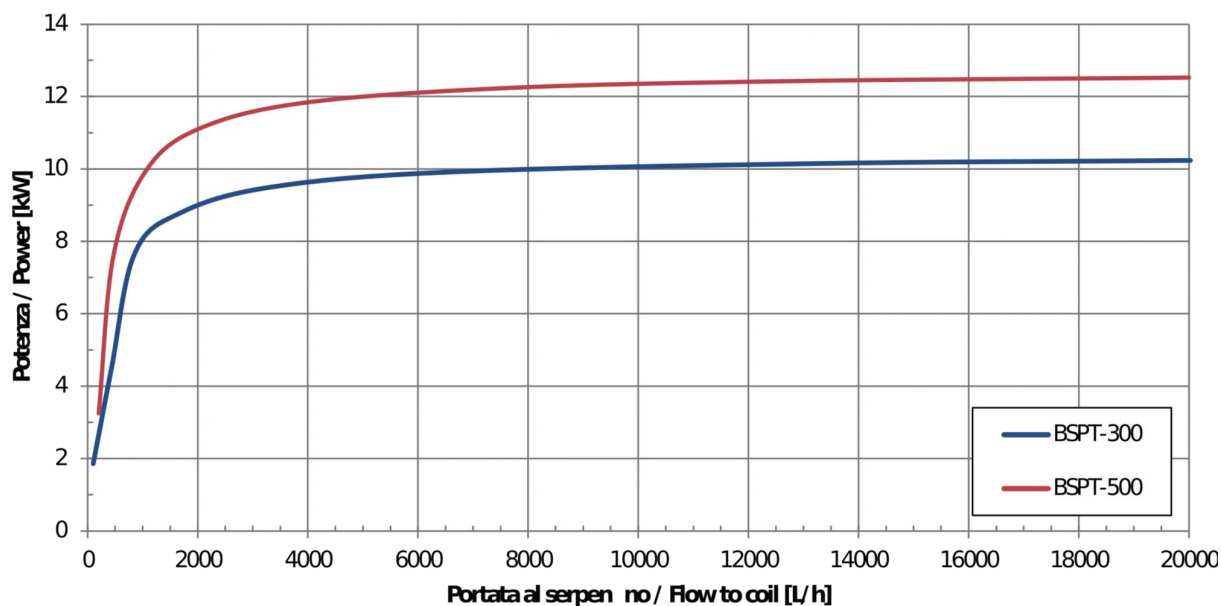
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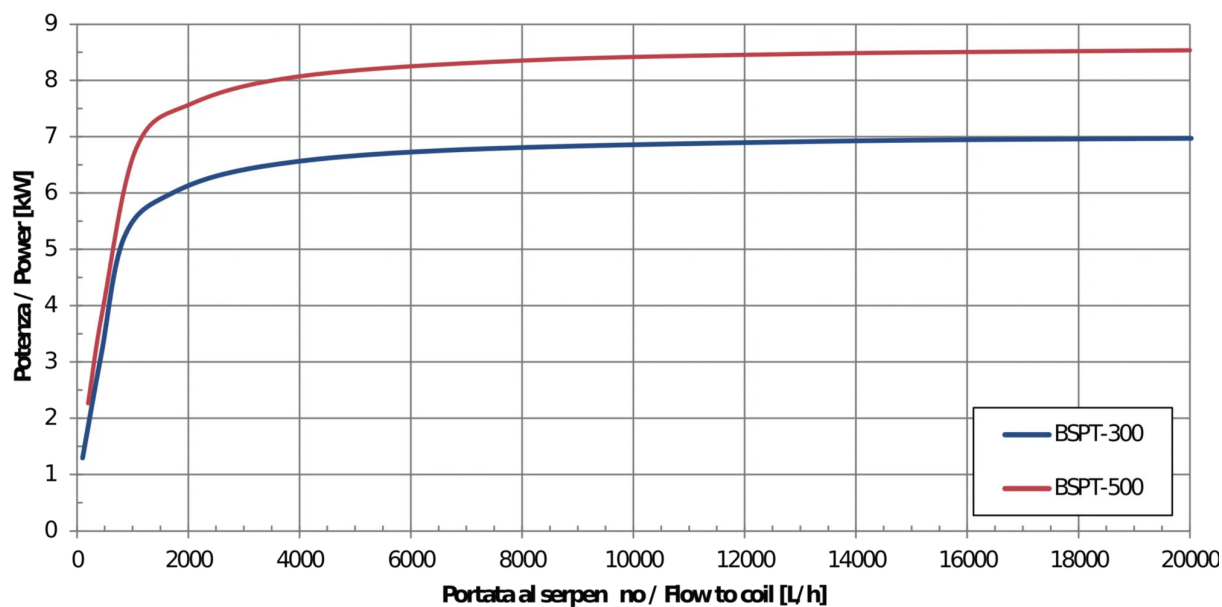
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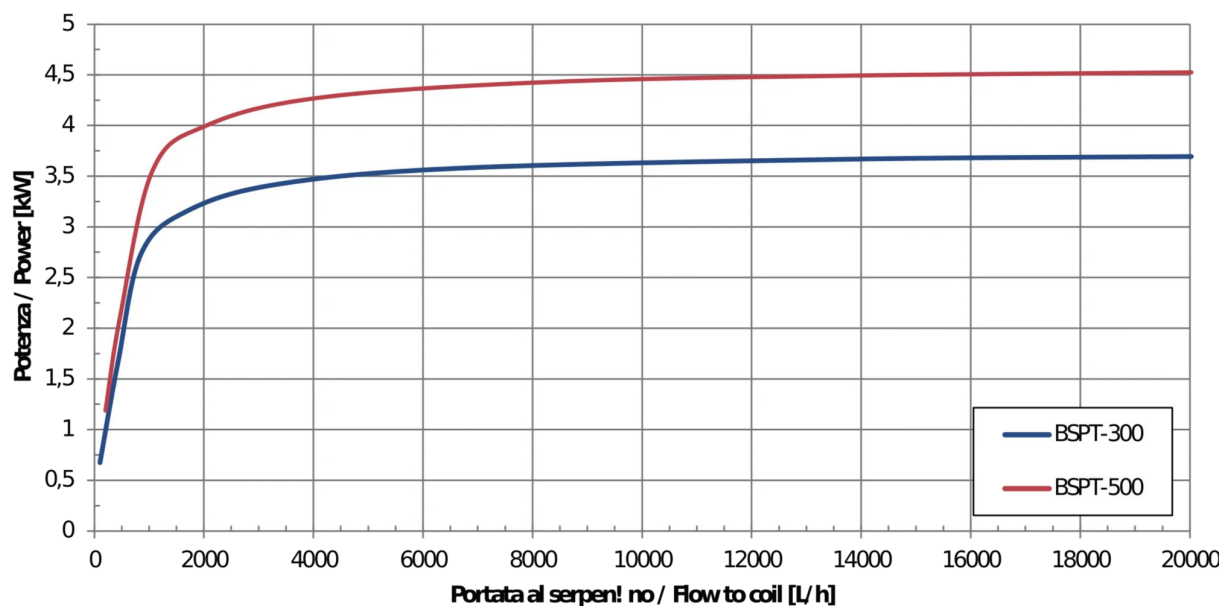
Exch. power, heat p. coil

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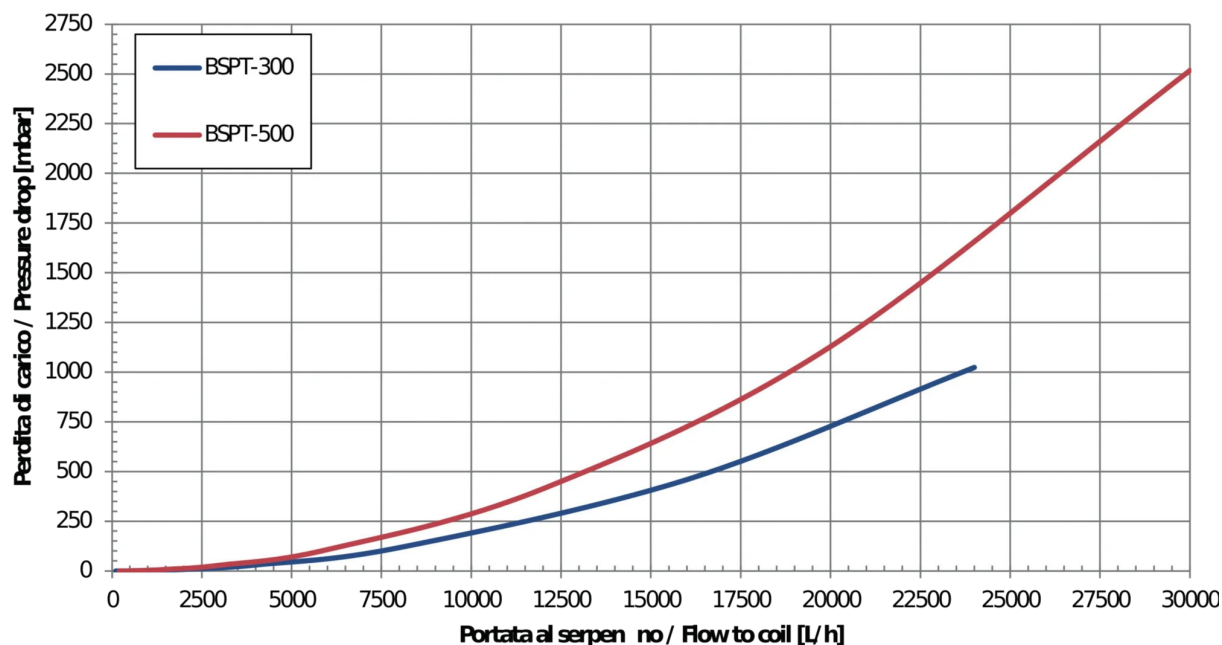


Exch. power, heat p. coil

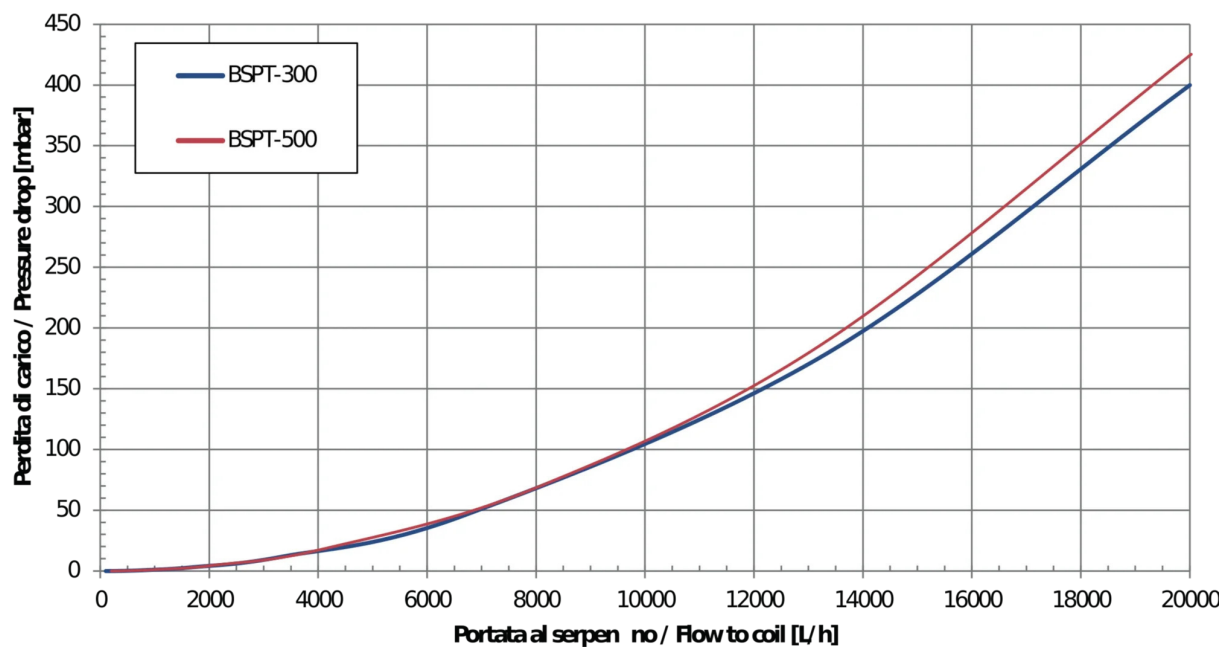
$T_{in,coil} = 50\text{ }^{\circ}\text{C}$; $T_{serb,in} = 10\text{ }^{\circ}\text{C}$, $T_{serb,out} = 45\text{ }^{\circ}\text{C}$



Heat pump coil press.drop

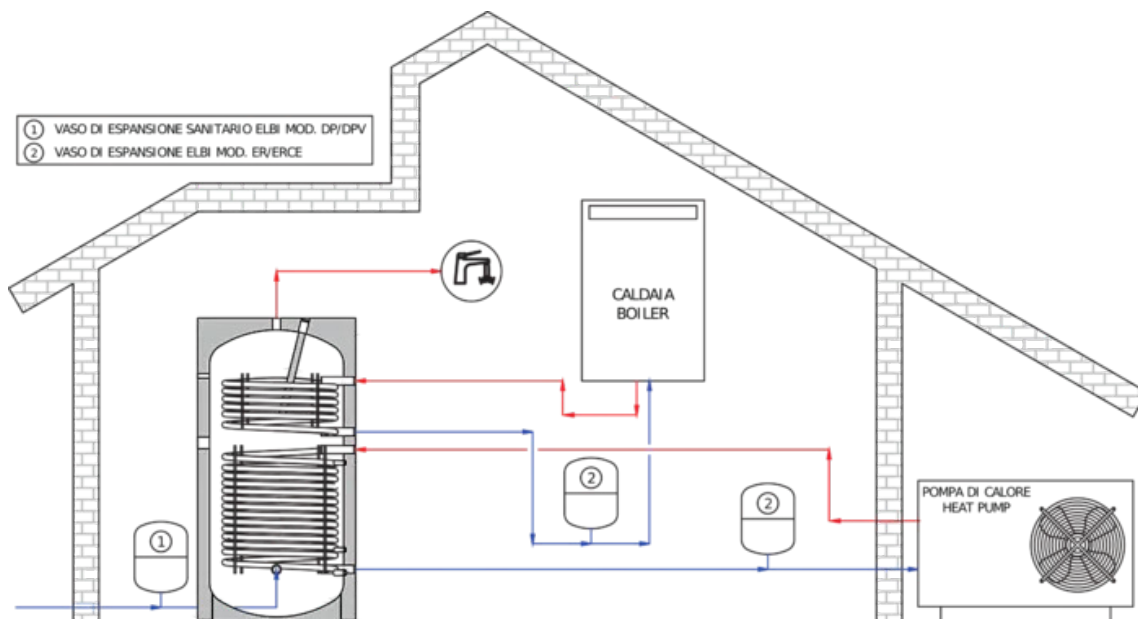


Integr. coil press. drop BSPT-



Example of installation

H-BSPT



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

Ver. date 10/05/2024