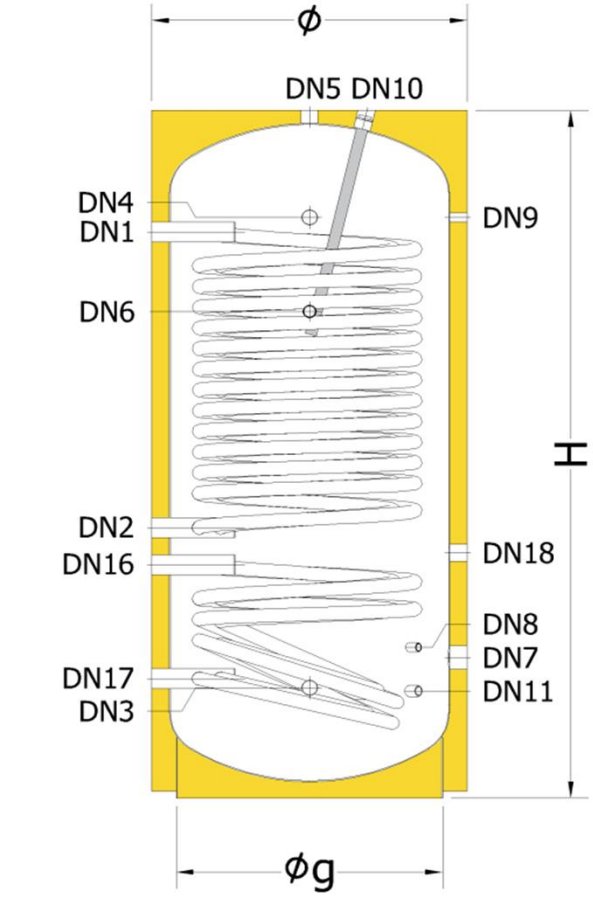
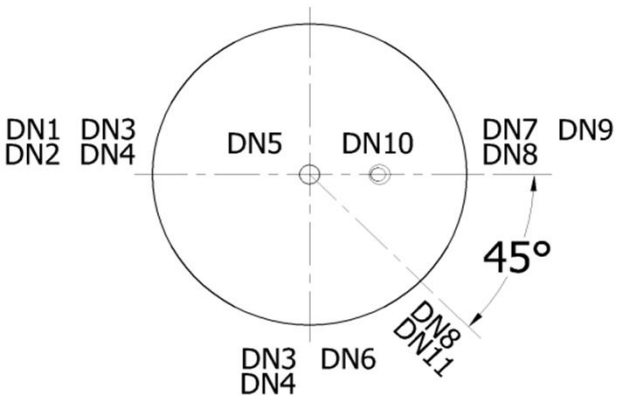
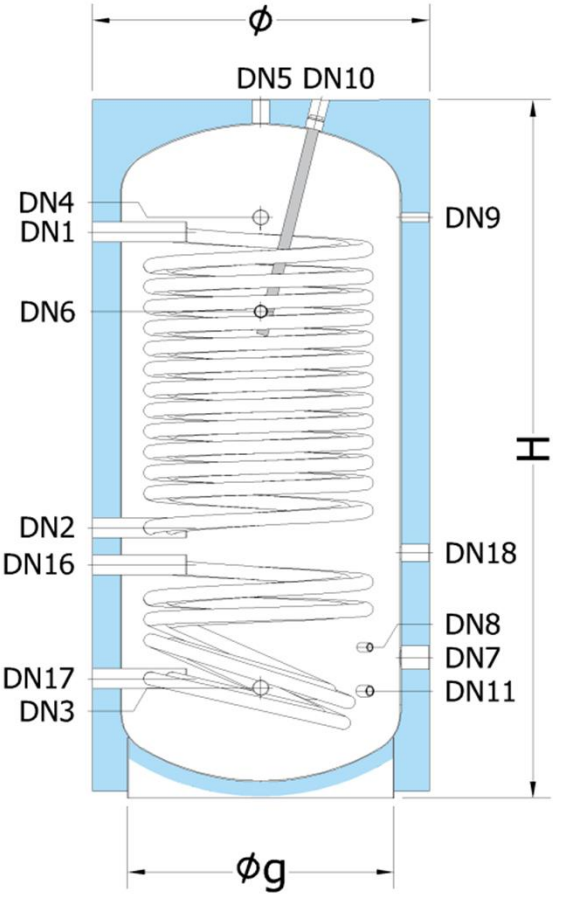
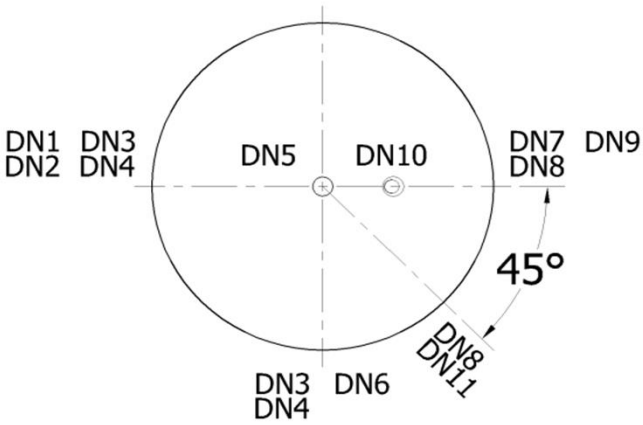
BSPT 300÷500





BSPT 800÷1000





Dati dimensionali / Ratings data sheet

Pos.	Descrizione Description		Modello / Type BSPT			
Cod.	Codice Code		A3T2L51 PGP40	A3T2L55 PGP40	A3T2L60 VG470	A3T2L62 VG470
-	Capacità nominale *Nominal capacity*	L	**300**	**500**	**800**	**1000**
-	Volume utile (accumulo) *Storage volume (DHW tank)*	L	271	464	741	862
-	Volume utile (serpentino PdC) *Storage volume (heat pump coil)*	L	13	24	32	36
-	Superficie di scambio (serpentino PdC) *Heat pump coil surface*	m^2	2,2	4	5,3	5,7
-	Volume utile (serpentino integrazione) *Storage volume (integration coil)*	L	6	7	12	18
-	Superficie di scambio (serp. Integraz.) *Integration coil surface*	m^2	0,9	1,1	1,9	3
-	Classe di efficienza energetica *Energy efficiency class*		B	C	C	C
-	Dispersione termica *Standing loss*	W	65	108	125	130
Ø	Diametro accumulatore *Cylinder diameter*	mm	650	750	1020	1020
H	Altezza *Height*	mm	1410	1710	1870	2120
$Ø_G$	Diametro gonna *Skirt diameter*	mm	510	600	760	760
-	Quota di ribaltamento *Pivot measurement*	mm	1560	1870	2140	2360
DN1	Quota connessione *Connection height*	mm	1150	1420	1460	1700
DN2	Quota connessione *Connection height*	mm	625	655	755	950
DN3	Quota connessione *Connection height*	mm	260	280	330	330
DN4	Quota connessione *Connection height*	mm	1160	1430	1480	1730
DN6	Quota connessione *Connection height*	mm	995	1210	1270	1450
DN7	Quota connessione *Connection height*	mm	340	350	410	420
DN8	Quota connessione *Connection height*	mm	385 795	395 935	455 970	465 1115
DN9	Quota connessione *Connection height*	mm	1160	1430	1480	1730
DN11	Quota connessione *Connection height*	mm	245	265	320	320
DN16	Quota connessione *Connection height*	mm	535	565	650	795
DN17	Quota connessione *Connection height*	mm	280	290	350	360
DN18	Quota connessione *Connection height*	mm	580	610	705	875

Pos.	Descrizione Description		Modello / Type BSPT			
-	Capacità nominale *Nominal capacity*	L	300	500	800	1000
DN1	Entrata da pompa di calore Inlet from heat pump		G1¼"	G1¼"	G1¼"	G1¼"
DN2	Uscita a pompa di calore Return to heat pump		G1¼"	G1¼"	G1¼"	G1¼"
DN3	Entrata acqua fredda sanitaria Mains water supply		G1"	G1"	G1¼"	G1¼"
DN4	Uscita acqua calda DHW draw-off		G1"	G1"	G1¼"	G1¼"
DN5	Uscita acqua calda DHW draw-off		G1¼"	G1¼"	G1¼"	G1¼"
DN6	Ricircolo Recirculation		G¾"	G¾"	G1"	G1"
DN7	Predisp. per resistenza elettrica Provision for immersion heater		G2"	G2"	G2"	G2"
DN8	Termostato Thermostat		G½"	G½"	G½"	G½"
DN9	Termometro Thermometer		G½"	G½"	G½"	G½"
DN10	Anodo di magnesio Magnesium anode		G1¼"	G1¼"	G1¼"	G1¼"
DN11	Scarico Drain		G½"	G½"	G¾"	G¾"
DN16	Entrata da fonte integrazione Inlet from integration		G1¼"	G1¼"	G1¼"	G1¼"
DN17	Uscita a fonte integrazione Return to integration		G1¼"	G1¼"	G1¼"	G1¼"
DN18	Connessione ausiliaria Auxiliary connection		G1½"	G1½"	G1½"	G1½"

Pressione massima di esercizio (accumulo) Max. working pressure (cylinder)	bar	10
Temperatura massima di esercizio (accumulo) Max. working temperature (cylinder)	°C	+95
Pressione massima di esercizio (serpentino) Max. working pressure (coil)	bar	12
Temperatura massima di esercizio (serpentino) Max. working temperature (coil)	°C	+110

Note / Notes:

1. Il serbatoio subisce un trattamento anticorrosivo interno di **VETRIFICAZIONE** in accordo con la norma DIN 4753 che assieme alla protezione catodica garantisce una protezione interna totale dalla corrosione ed è idoneo per il contenimento di acqua calda per uso igienico sanitario.
   Internal surface of cylinder is ***VITREOUS ENAMELED*** *according to DIN 4753 standard, this treatment together with the cathodic protection guarantees total internal protection from corrosion and make it suitable for hot sanitary water applications.*
2. I bollitori serie **BSPT** sono conformi all'art. 4.3 della **Direttiva 2014/68/UE e**d alla **Direttiva 2009/125/CE**.
   BSPT *series cylinders are in compliance with* ***Directive No. 2014/68/EU*** *art. 4.3 and* ***Directive 2009/125/CE*** .
3. I bollitori ELBI serie **BSPT** sono garantiti **5 anni**.
   5 years *warranty on ELBI Hot Water Cylinders* ***BSPT*** *series.*

Caratteristiche della coibentazione / Insulation characteristics:

Modello Type	Tipo coibentazione Insulation type	Spessore coibentazione Insulation thickness	Finitura Finish
BSPT-300	Poliuretano espanso rigido con il 95% di cellule chiuse, esente CFC e HCFC, classe di resistenza al fuoco B2 secondo DIN 4102-1 *Rigid expanded polyrethane with 95% closed cells, CFC and HCFC free, fire resistance class B2 acc. to DIN 4102-1*	50 mm	Polistirolo grigio RAL 9006 *Polystyrene gray RAL 9006*
BSPT-500			
BSPT-800	Fibra di poliestere 100% riciclabile, classe di resistenza al fuoco B1 secondo DIN 4102-1 *100% recyclable polyester fiber, fire resistance class B1 acc. to DIN 4102-1*	110 mm	PVC grigio RAL 9006 *PVC gray RAL 9006*
BSPT-1000			

Dispositivi di protezione / Protective devices:

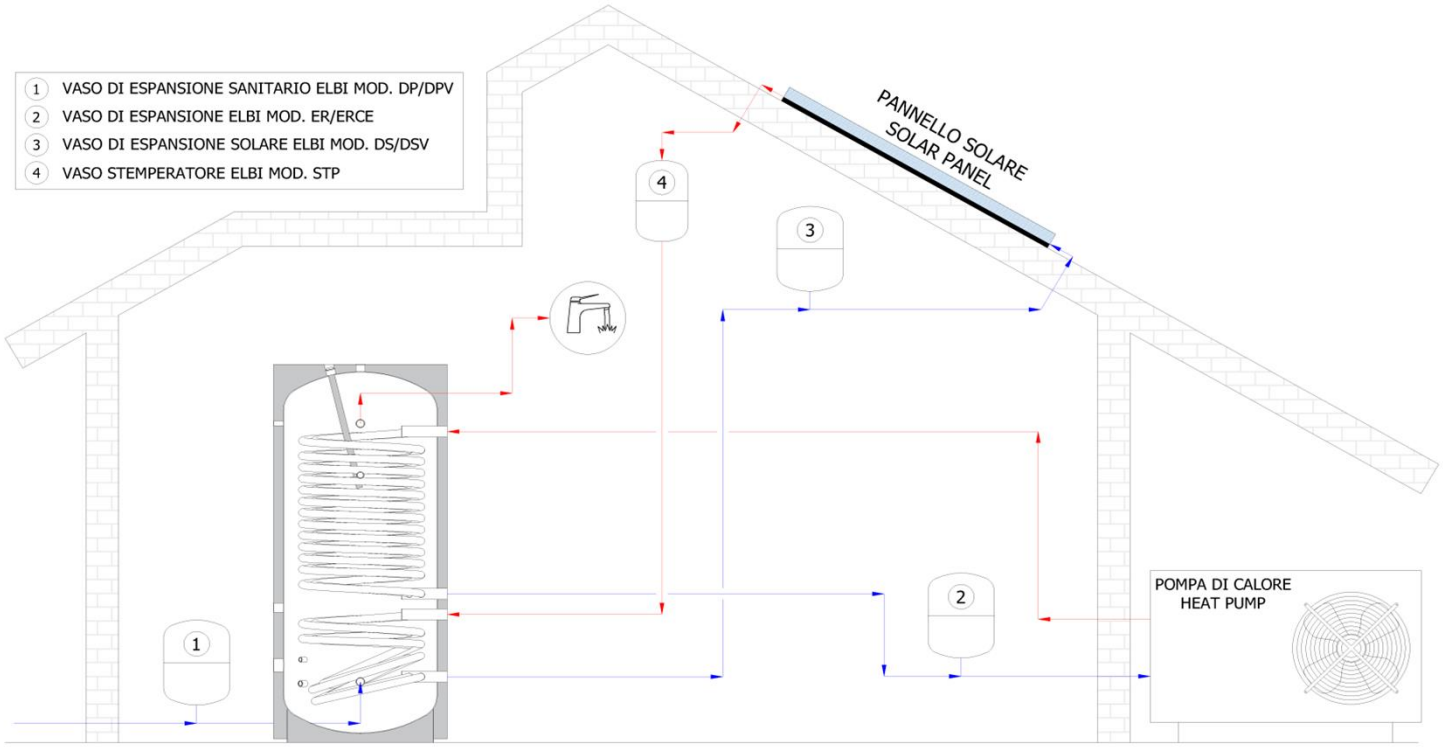
Modello Type	Anodo di magnesio in dotazione Installed magnesium anode	Vaso di espansione raccomandato lato ACS(*) Reccomended sanitary expansion tank(*)
BSPT-300	nr. 1 - Ø32x1¼" L=520 - cod. 8560060	DP-18
BSPT-500	nr. 1 - Ø32x1¼" L=700 - cod. 8560080	DP-24
BSPT-800	nr. 1 - Ø32x1¼" L=700 - cod. 8560080	DP-35
BSPT-1000	nr. 1 - Ø32x1¼" L=700 - cod. 8560080	DPV-50

(*) Il vaso di espansione deve essere sempre dimensionato da un progettista termotecnico esperto sulla base dei dati effettivi dell'impianto.
The expansion tank must always be sized by an expert technician on the basis of actual system parameters.

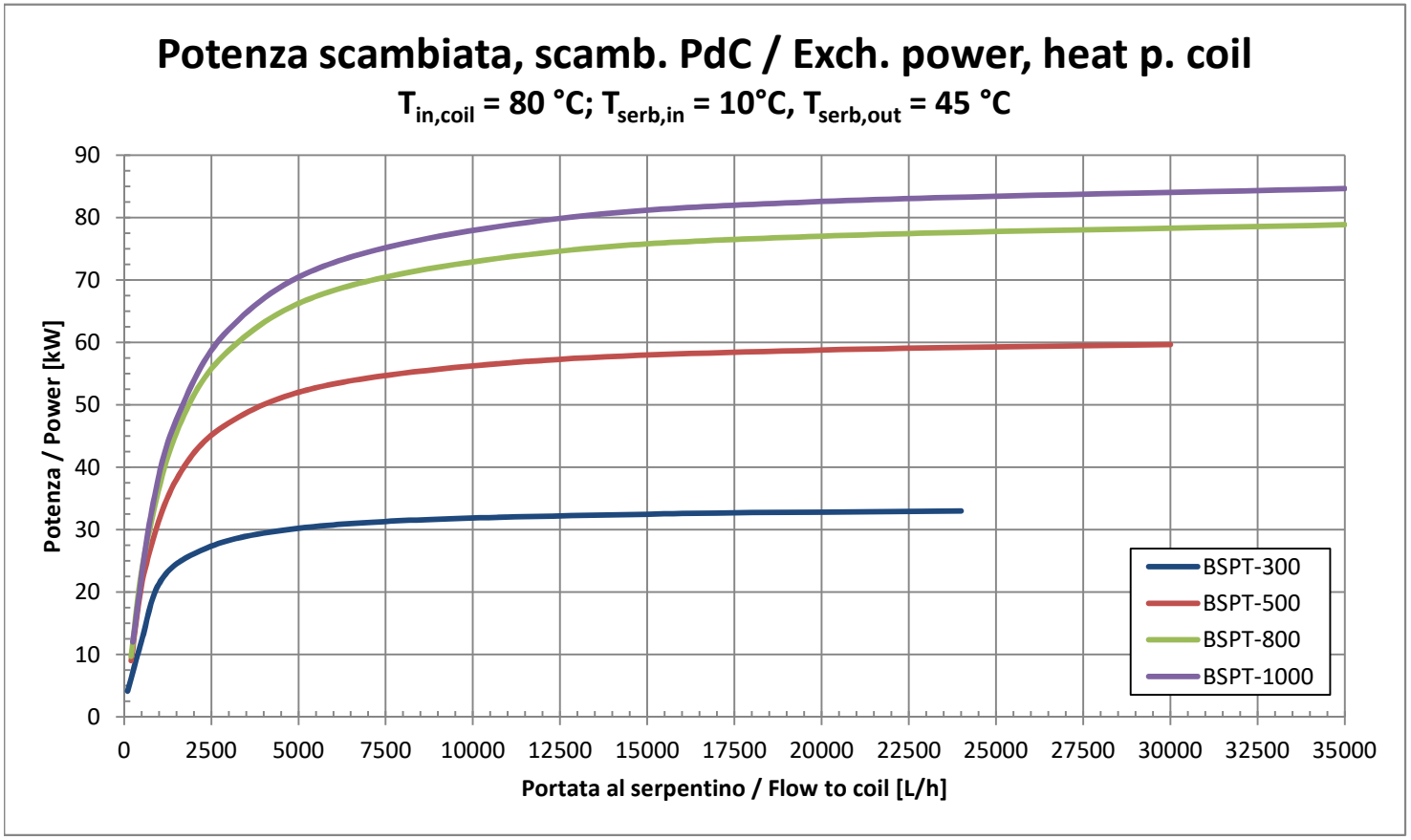
Resistenze elettriche / Immersion heaters:

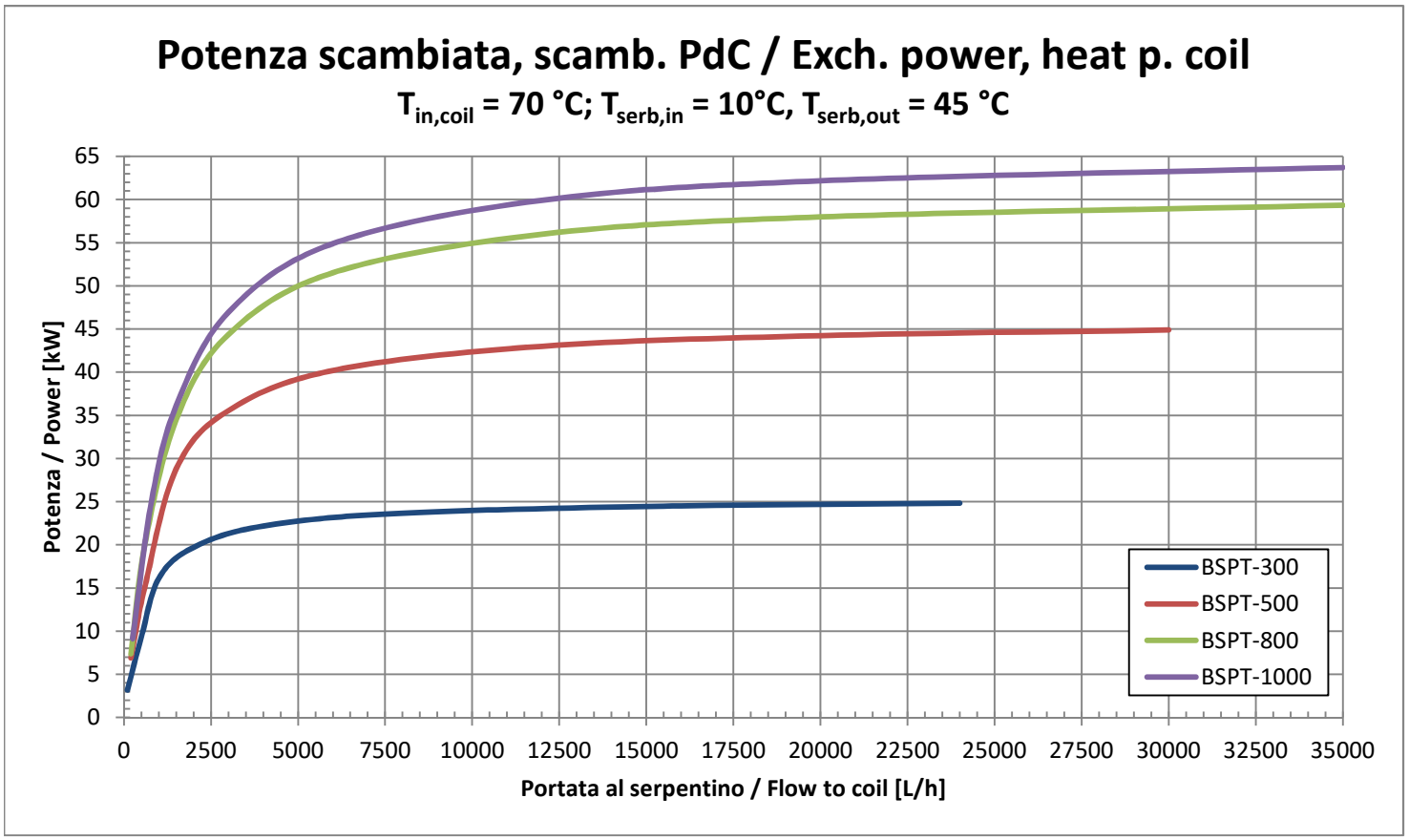
Codice Code	Potenza Power	Alimentazione Source	Attacco Connection	Lunghezza Length	Applicabilità / Applicable to BSP type			
					300	500	800	1000
RESISTENZE SENZA TERMOSTATO / *IMMERSION HEATERS WITHOUT THERMOSTAT*								
8601000	1	220V / 1F	G1¼"	295	✓	✓	✓	✓
8601650	1,65	220V / 1F	G1¼"	450	✓	✓	✓	✓
8602000	2	220V / 1F	G1¼"	515	×	✓	✓	✓
8602600	2,6	220V / 1F	G1¼"	675	×	×	✓	✓
8602601	2,6	220V / 1F	G1¼"	360	✓	✓	✓	✓
8603301	3,3	220V / 1F	G1¼"	435	✓	✓	✓	✓
8604001	4	220V / 1F	G1¼"	510	×	✓	✓	✓
8705000	5	380V / 3F	G1½"	445	✓	✓	✓	✓
8706000	6	380V / 3F	G1½"	510	×	✓	✓	✓
8708000	8	380V / 3F	G1½"	670	×	×	✓	✓
RESISTENZE CON TERMOSTATO / *IMMERSION HEATERS WITH THERMOSTAT*								
8T01500	1,5	220V / 1F	G1½"	320	✓	✓	✓	✓
8T02000	2	220V / 1F	G1½"	320	✓	✓	✓	✓
8T02200	2,2	220V / 1F	G1½"	320	✓	✓	✓	✓
8T02500	2,5	220V / 1F	G1½"	320	✓	✓	✓	✓
8T03000	3	220V / 1F	G1½"	320	✓	✓	✓	✓
8T04000	4	380V / 3F	G1½"	400	✓	✓	✓	✓
8T05000	5	380V / 3F	G1½"	500	✓	✓	✓	✓
8T06000	6	380V / 3F	G1½"	600	×	✓	✓	✓
8T09000	9	380V / 3F	G1½"	700	×	×	✓	✓

Esempio di installazione / Installation scheme:



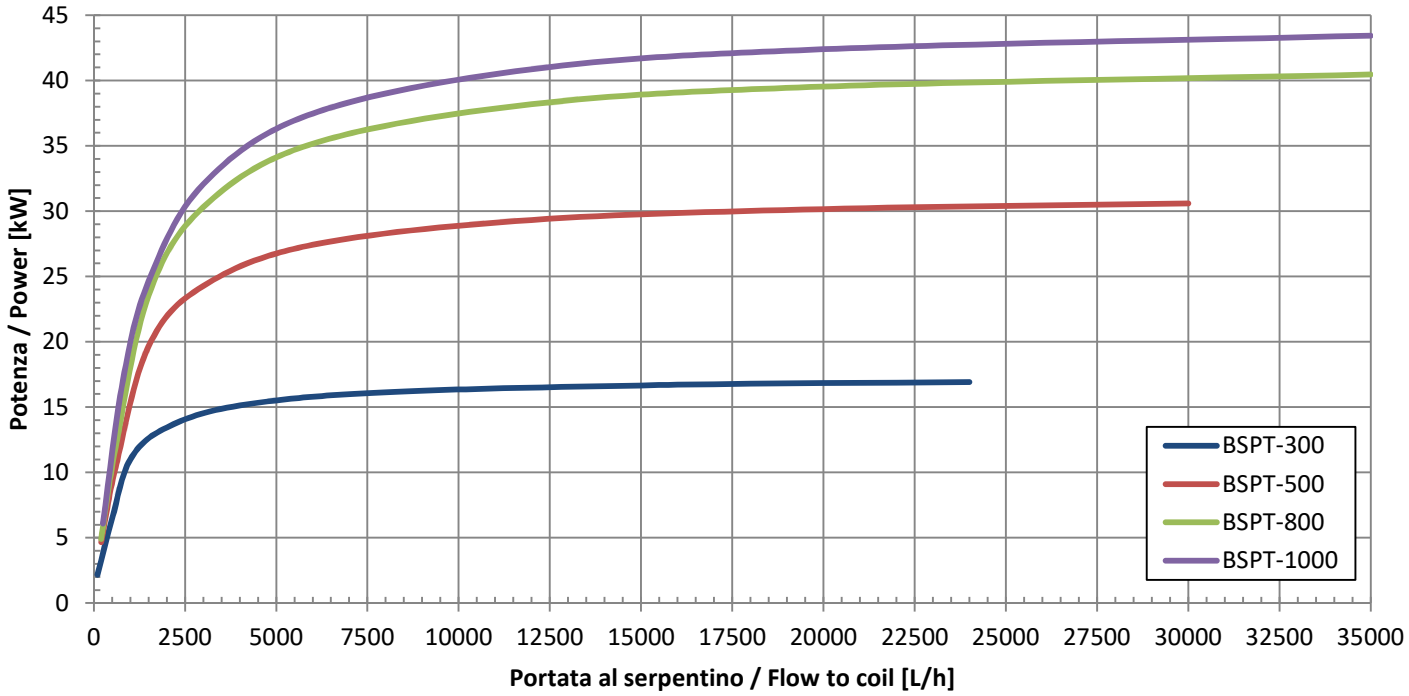
Prestazioni teoriche / typical performances:





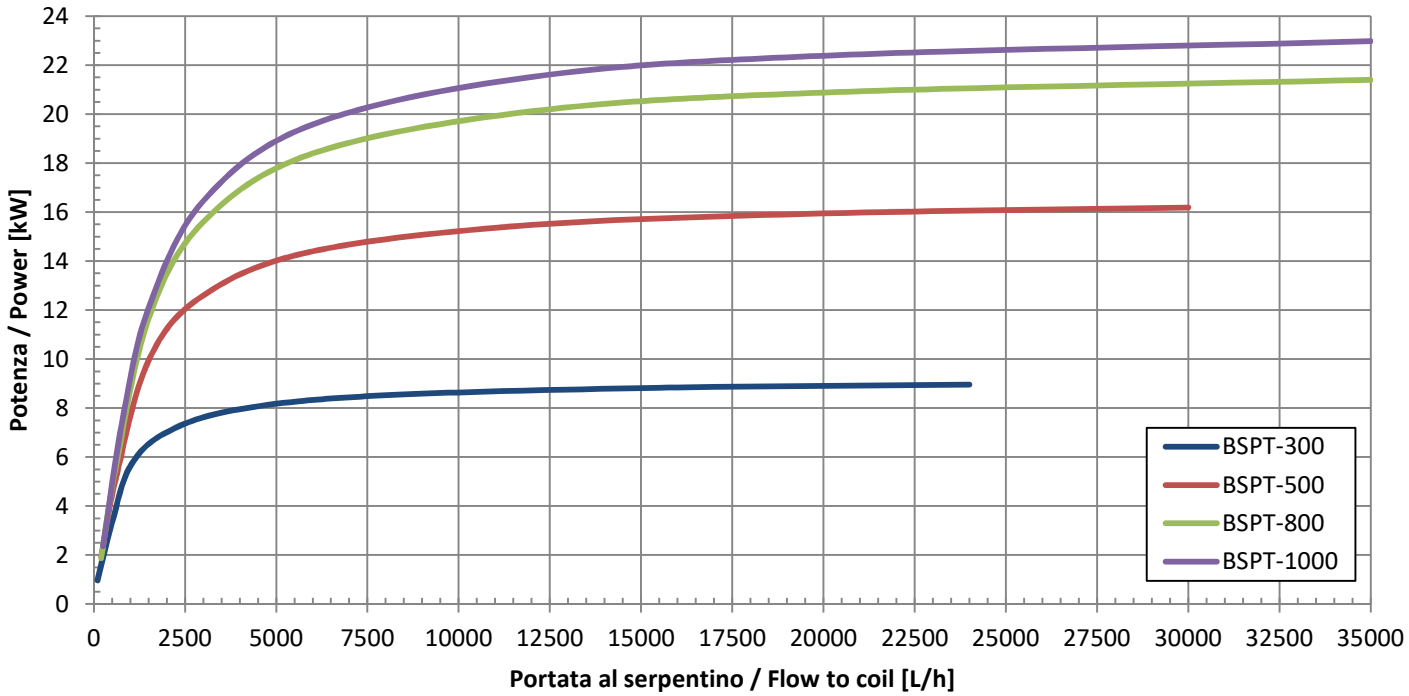
Potenza scambiata, scamb. PdC / Exch. power, heat p. coil

$T_{in,coil}$ = 60 °C; $T_{serb,in}$ = 10°C, $T_{serb,out}$ = 45 °C



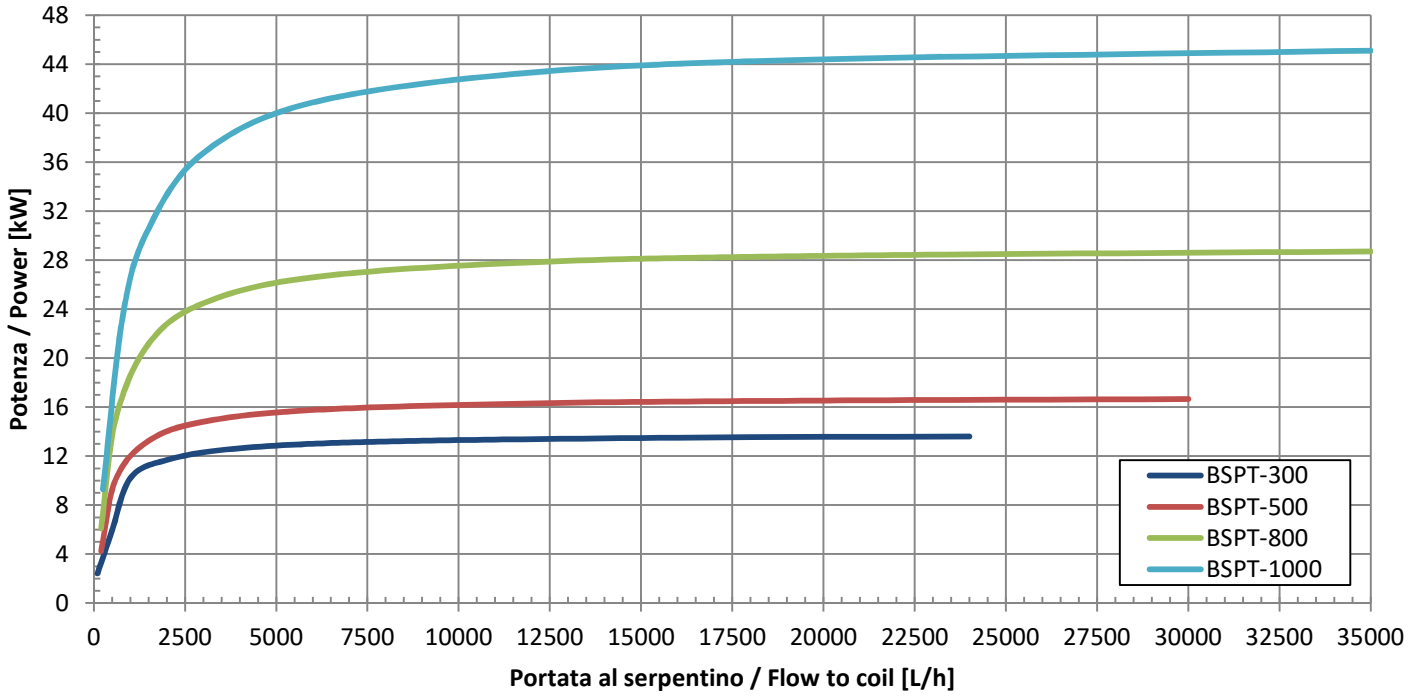
Potenza scambiata, scamb. PdC / Exch. power, heat p. coil

$T_{in,coil}$ = 50 °C; $T_{serb,in}$ = 10°C, $T_{serb,out}$ = 45 °C



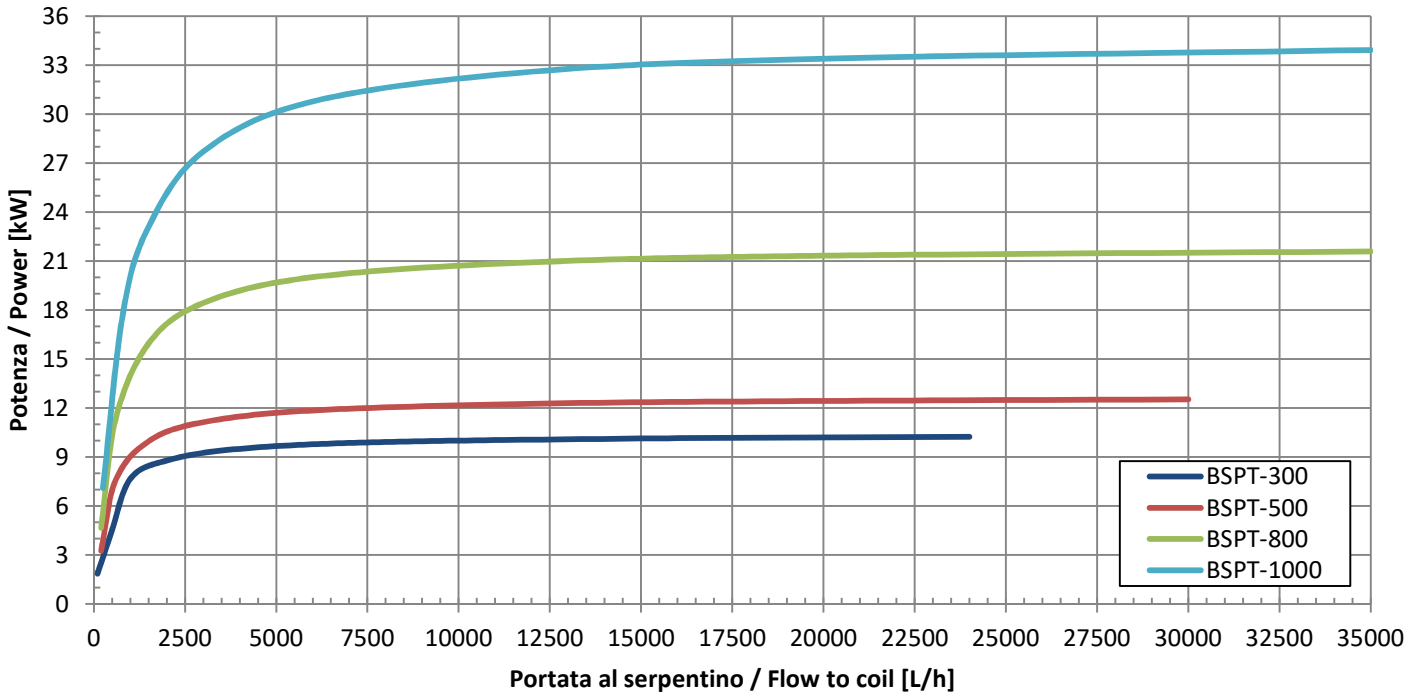
Potenza scambiata, scamb.integr./Exch. power, integr.coil

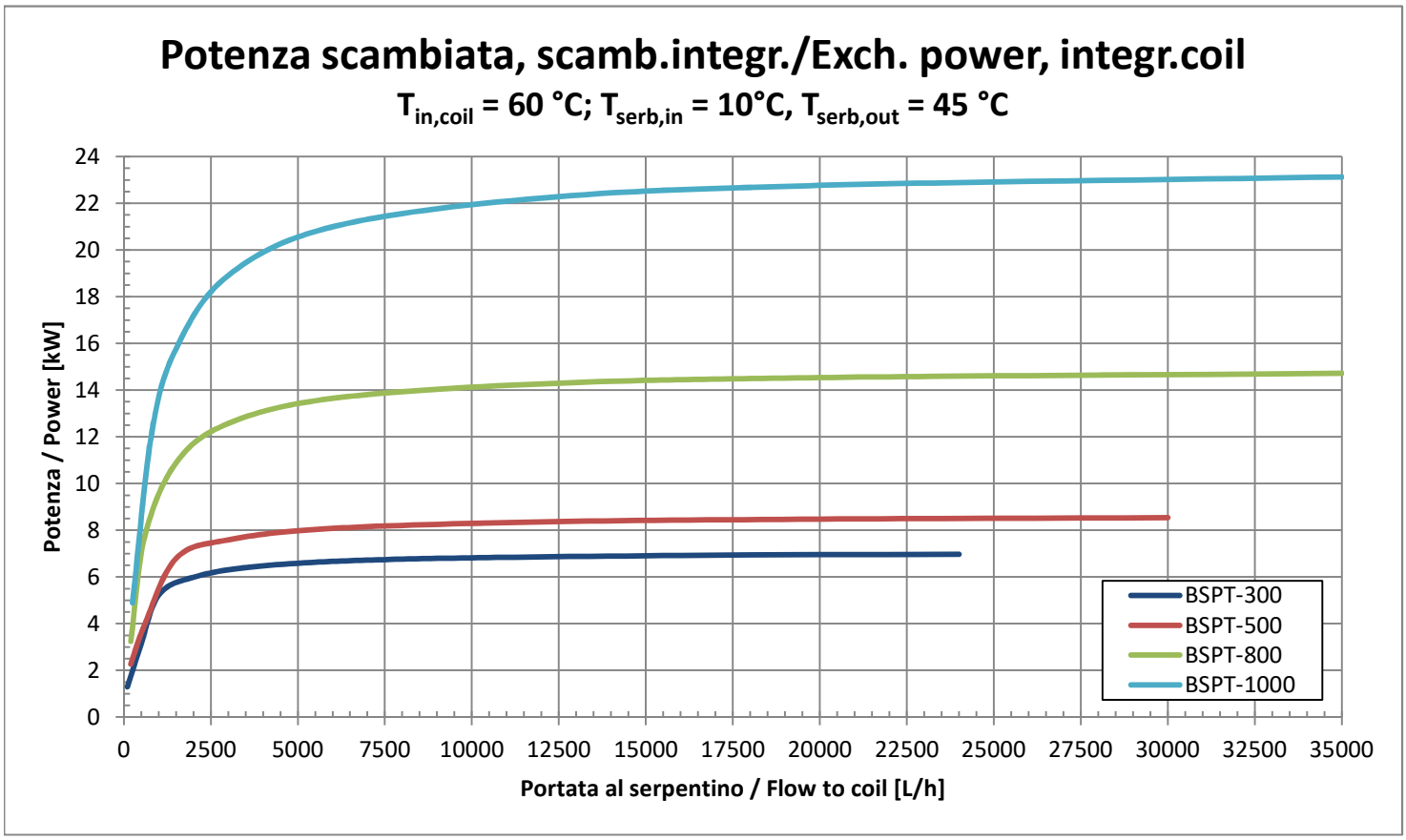
$T_{in,coil}$ = 80 °C; $T_{serb,in}$ = 10°C, $T_{serb,out}$ = 45 °C

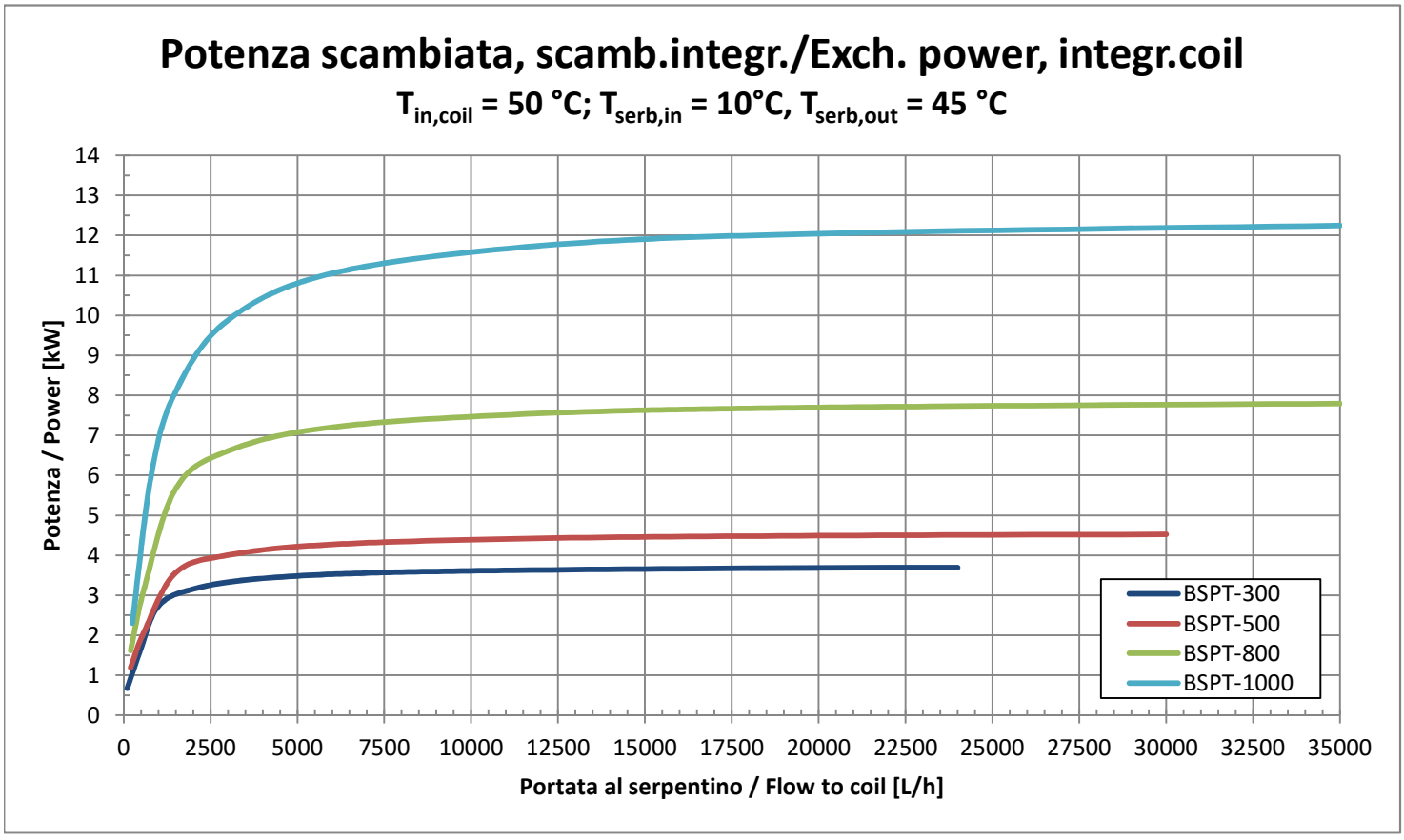


Potenza scambiata, scamb.integr./Exch. power, integr.coil

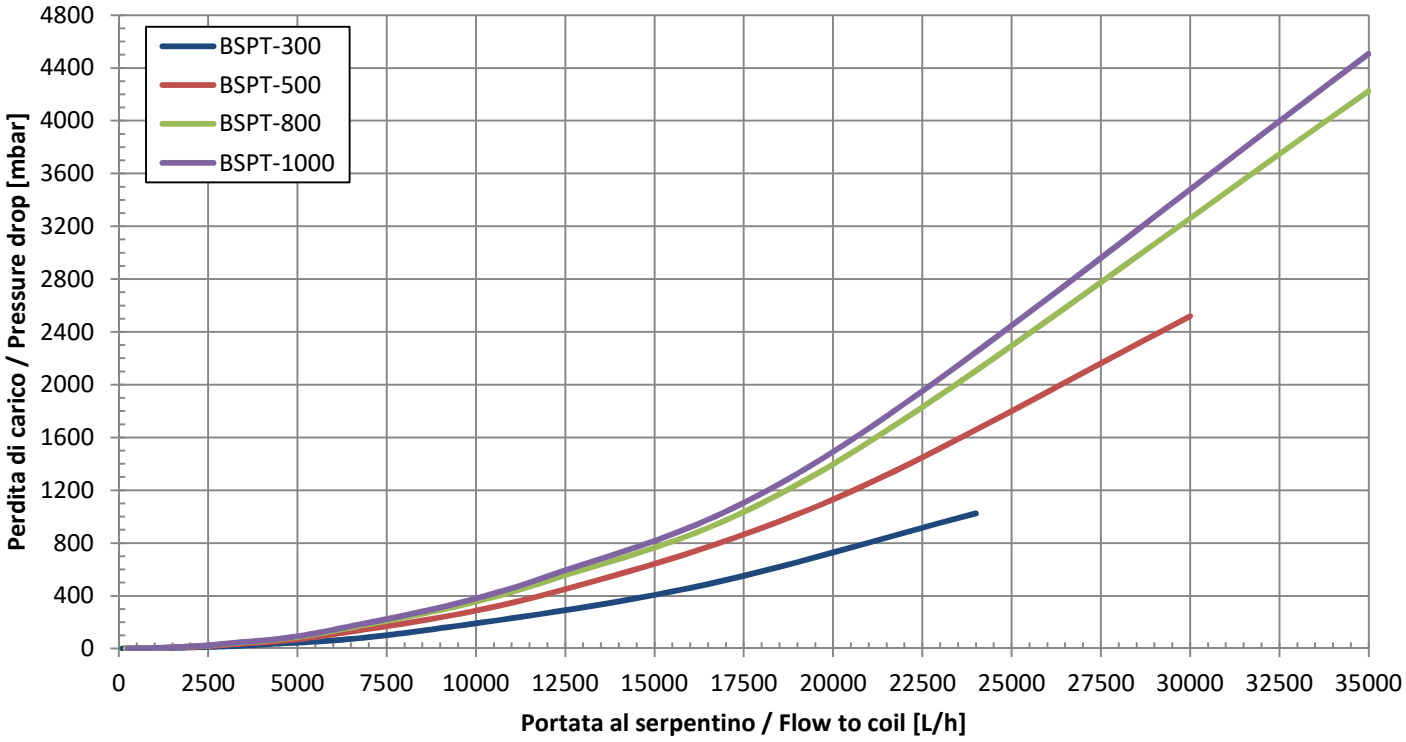
$T_{in,coil}$ = 70 °C; $T_{serb,in}$ = 10°C, $T_{serb,out}$ = 45 °C




Potenza scambiata, scamb.integr./Exch. power, integr.coil
T in,coil = 60 °C; T serb,in = 10°C, T serb,out = 45 °C
Potenza / Power [kW]
Portata al serpentino / Flow to coil [L/h]
BSPT-300
BSPT-500
BSPT-800
BSPT-1000


Potenza scambiata, scamb.integr./Exch. power, integr.coil
T in,coil = 50 °C; T serb,in = 10°C, T serb,out = 45 °C
Potenza / Power [kW]
Portata al serpentino / Flow to coil [L/h]
BSPT-300
BSPT-500
BSPT-800
BSPT-1000

Perdite di carico sul serp.PdC / Heat pump coil press.drop



Perdite di carico sul serp. integr. / Integr. coil press. drop