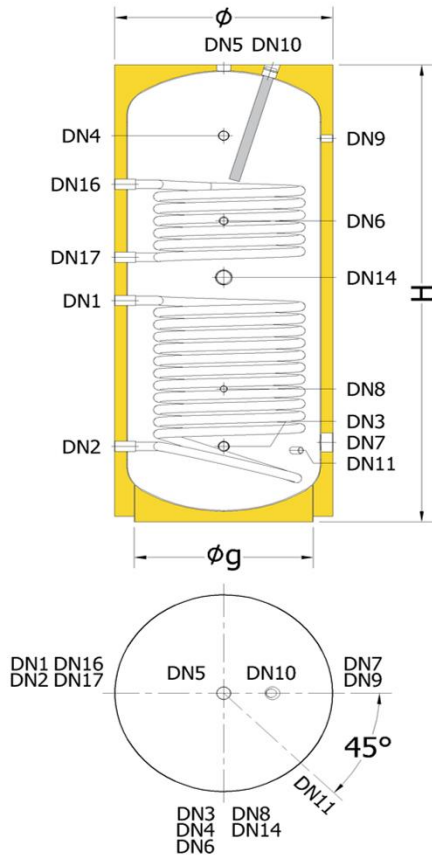
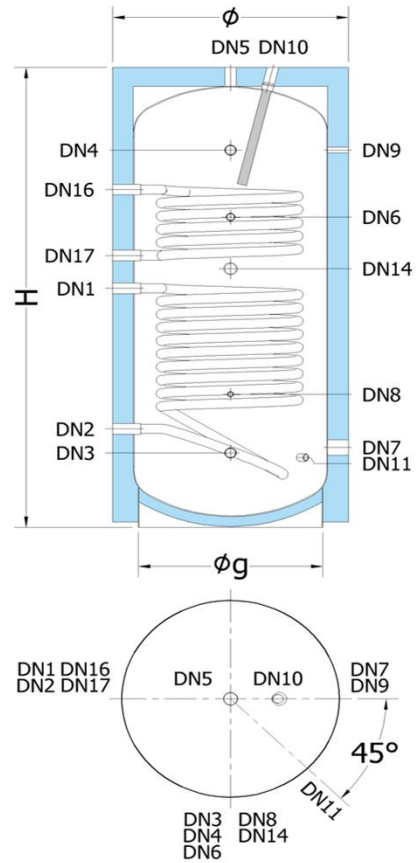


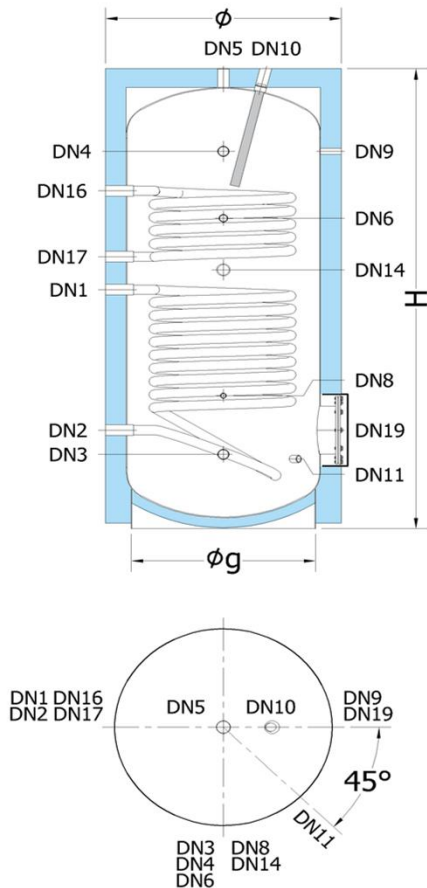
**BST 200÷500**



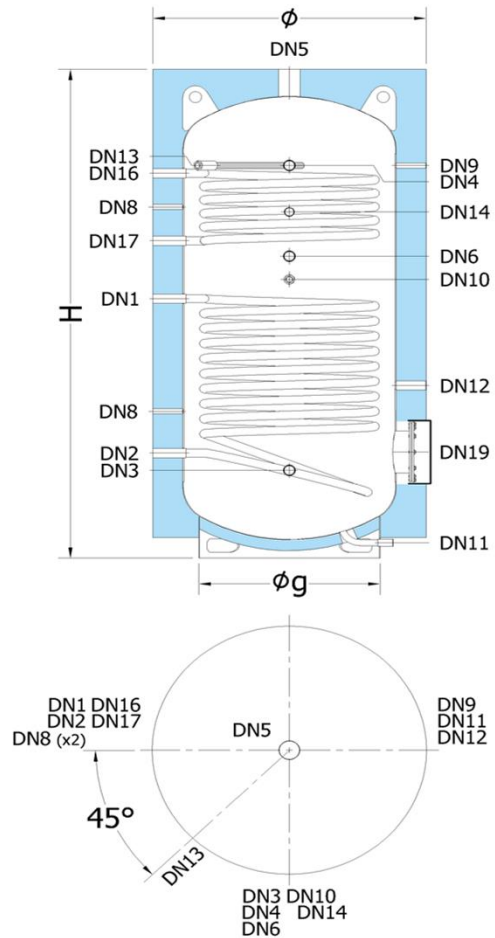
**BST 800÷1000**



**BST 800÷1000+FL.**



**BST 1500÷2000**



Dati dimensionali / Ratings data sheet

		Modello / Type										
Pos.	Descrizione Description	BST										
Cod.	Codice Code	A3E0L47 PGP40	A3E0L51 PGP40	A3E0L53 PGP40	A3E0L55 PGP40	A3E0L60 VG470	A3E0L62 VG470	A3E1L60 VG470	A3E1L62 VG470	A3E1H67 VW4A5	A3E1H70 VW4A5	
-	Capacità nominale <i>Nominal capacity</i>	L	200	300	400	500	800	1000	800+FL	1000+FL	1500	2000
-	Volume utile (accumulo) <i>Storage volume (DHW tank)</i>	L	190	282	486	561	772	901	776	905	1605	1915
-	Volume utile (serpentino solare) <i>Storage volume (solar coil)</i>	L	5	8	9	12	13	15	13	15	36	43
-	Superficie (serp. solare) <i>Solar coil surface</i>	m <sup>2</sup>	0,7	1,2	1,4	1,8	2	2,4	2	2,4	3,6	4,3
-	Volume utile (serp. integrazione) <i>Storage volume (Integration coil)</i>	L	4	5	6	6	8	8	8	8	16	21
-	Superficie (serp. integrazione) <i>Integration coil surface</i>	m <sup>2</sup>	0,5	0,75	0,9	0,9	1,2	1,2	1,2	1,2	1,6	2,1
-	Classe di efficienza energetica <i>Energy efficiency class</i>		B	B	C	C	C	C	C	C	C	C
-	Dispersione termica <i>Standing loss</i>	W	57	65	98	108	125	130	131	135	163	174
∅	Diametro accumulatore <i>Cylinder diameter</i>	mm	600	650	750	750	1020	1020	1020	1020	1270	1370
H	Altezza <i>Height</i>	mm	1170	1410	1450	1710	1870	2120	1870	2120	2530	2510
∅ <sub>G</sub>	Diametro gonna <i>Skirt diameter</i>	mm	460	510	600	600	760	760	760	760	850	950
-	Quota di ribaltamento <i>Pivot measurement</i>	mm	1320	1560	1640	1870	2140	2360	2140	2360	2840	2860
DN1	Quota connessione <i>Connection height</i>	mm	590	715	685	820	970	1090	970	1090	1345	1405
DN2	Quota connessione <i>Connection height</i>	mm	240	260	280	280	450	450	450	450	545	515
DN3	Quota connessione <i>Connection height</i>	mm	240	260	280	280	340	340	340	340	455	445
DN4	Quota connessione <i>Connection height</i>	mm	940	1170	1190	1430	1470	1720	1470	1720	2035	2025
DN6	Quota connessione <i>Connection height</i>	mm	765	955	940	1115	1195	1415	1195	1415	1795	1785
DN7	Quota connessione <i>Connection height</i>	mm	255	275	295	295	365	365	435	435	/	/
DN8	Quota connessione <i>Connection height</i>	mm	355	410	470	495	610	610	610	610	750	740
DN9	Quota connessione <i>Connection height</i>	mm	940	1160	1170	1420	1470	1720	1470	1720	1820	1780
DN10	Quota connessione <i>Connection height</i>	mm	/	/	/	/	/	/	/	/	1445	1455
DN11	Quota connessione <i>Connection height</i>	mm	225	245	265	265	320	320	320	320	80	80
DN12	Quota connessione <i>Connection height</i>	mm	/	/	/	/	/	/	/	/	895	885
DN13	Quota connessione <i>Connection height</i>	mm	/	/	/	/	/	/	/	/	2035	2025
DN14	Quota connessione <i>Connection height</i>	mm	640	765	745	905	985	1180	985	1180	1565	1565
DN16	Quota connessione <i>Connection height</i>	mm	935	1090	1075	1250	1420	1540	1420	1540	1995	2025
DN17	Quota connessione <i>Connection height</i>	mm	685	820	805	980	1120	1240	1120	1240	1645	1605
DN19	Quota connessione <i>Connection height</i>	mm	/	/	/	/	/	/	/	/	550	540

Modello / Type

Pos.	Descrizione Description	L	BST										
			200	300	400	500	800	1000	800+FL	1000+F L	1500	2000	
-	Capacità nominale <i>Nominal capacity</i>												
DN1	Entrata da pannello solare Inlet from solar panel		G1"	G1"	G1"	G1"	G1¼"	G1¼"	G1¼"	G1¼"	G1¼"	G1¼"	G1¼"
DN2	Uscita a pannello solare Return to solar panel		G1"	G1"	G1"	G1"	G1¼"	G1¼"	G1¼"	G1¼"	G1¼"	G1¼"	G1¼"
DN3	Entrata acqua fredda sanitaria Mains water supply		G1"	G1"	G1"	G1"	G1¼"	G1¼"	G1¼"	G1¼"	G1½"	G1½"	G1½"
DN4	Uscita acqua calda DHW draw-off		G1"	G1"	G1"	G1"	G1¼"	G1¼"	G1¼"	G1¼"	G1½"	G1½"	G1½"
DN5	Uscita acqua calda DHW draw-off		G1¼"	G1¼"	G1¼"	G1¼"	G1¼"	G1¼"	G1¼"	G1¼"	G3"	G3"	G3"
DN6	Ricircolo Recirculation		G¾"	G¾"	G¾"	G¾"	G1"	G1"	G1"	G1"	G1¼"	G1¼"	G1¼"
DN7	Predisposizione per resistenza elettrica Provision for immersion heater		G2"	G2"	G2"	G2"	G2"	G2"	/	/	/	/	/
DN8	Termostato Thermostat		G½"	G½"	G½"	G½"	G½"	G½"	G½"	G½"	G½"	G½"	G½"
DN9	Termometro Thermometer		G½"	G½"	G½"	G½"	G½"	G½"	G½"	G½"	G½"	G½"	G½"
DN10	Anodo di magnesio Magnesium anode		G1¼"	G1¼"	G1¼"	G1¼"	G1¼"	G1¼"	G1¼"	G1¼"	G1¼"	G1¼"	G1¼"
DN11	Scarico Drain		G½"	G½"	G½"	G½"	G¾"	G¾"	G¾"	G¾"	G1"	G1"	G1"
DN12	Vaso d'espansione sanitario Sanitary water expansion tank		/	/	/	/	/	/	/	/	G1¼"	G1¼"	G1¼"
DN13	Anodo di magnesio Magnesium anode		/	/	/	/	/	/	/	/	G1¼"	G1¼"	G1¼"
DN14	Predisposizione per resistenza elettrica Provision for immersion heater		G1½"	G1½"	G1½"	G1½"	G1½"	G1½"	G1½"	G1½"	G1½"	G1½"	G1½"
DN16	Entrata da caldaia Inlet from boiler		G1"	G1"	G1"	G1"	G1¼"	G1¼"	G1¼"	G1¼"	G1¼"	G1¼"	G1¼"
DN17	Uscita a caldaia Return to boiler		G1"	G1"	G1"	G1"	G1¼"	G1¼"	G1¼"	G1¼"	G1¼"	G1¼"	G1¼"
DN19	Boccaporto di ispezione Inspection hatch		/	/	/	/	/	/	/	Øi 220	Øi 220	Øi 220	Øi 220

Pressione massima di esercizio (accumulo)	bar	10	6
Max. working pressure (cylinder)			
Temperatura massima di esercizio (accumulo)	°C	+95	
Max. working temperature (cylinder)			
Pressione massima di esercizio (serpentino)	bar	12	
Max. working pressure (coil)			
Temperatura massima di esercizio (serpentino)	°C	+110	
Max. working temperature (coil)			

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 **BST** sono conformi all'art. 4.3 della **Direttiva 2014/68/UE** ed alla **Direttiva 2009/125/CE**.  
**BST series cylinders are in compliance with Directive No. 2014/68/EU art. 4.3 and Directive 2009/125/CE.**
3. I bollitori ELBI serie **BST** sono garantiti **5 anni**.  
**5 years warranty on ELBI Hot Water Cylinders BST series.**

**Caratteristiche della coibentazione / Insulation characteristics:**

Modello Type	Tipo coibentazione Insulation type	Spessore coibentazione Insulation thickness	Finitura Finish
BST-200	Poliuretano espanso rigido con il 95% di cellule chiuse, esente CFC e HCFC, classe di resistenza al fuoco B2 secondo DIN 4102-1 <i>Rigid expanded polyurethane with 95% closed cells, CFC and HCFC free, fire resistance class B2 acc. to DIN 4102-1</i>	50 mm	Polistirolo grigio RAL 9006 <i>Polystyrene gray RAL 9006</i>
BST-300			
BST-400			
BST-500			
BST-800	Fibra di poliestere 100% riciclabile, classe di resistenza al fuoco B1 secondo DIN 4102-1 <i>100% recyclable polyester fiber, fire resistance class B1 acc. to DIN 4102-1</i>	110 mm	PVC grigio RAL 9006 <i>PVC gray RAL 9006</i>
BST-1000			
BST-1500			
BST-2000			

**Dispositivi di protezione / Protective devices:**

Modello Type	Anodo di magnesio in dotazione Installed magnesium anode	Vaso di espansione raccomandato lato ACS(*) Recommended sanitary expansion tank(*)
BST-200	nr. 1 - Ø32x1¼" L=320 - cod. 8560040	DP-11
BST-300	nr. 1 - Ø32x1¼" L=520 - cod. 8560060	DP-18
BST-400	nr. 1 - Ø32x1¼" L=520 - cod. 8560060	DP-18
BST-500	nr. 1 - Ø32x1¼" L=700 - cod. 8560080	DP-24
BST-800	nr. 1 - Ø32x1¼" L=700 - cod. 8560080	DP-35
BST-1000	nr. 1 - Ø32x1¼" L=700 - cod. 8560080	DPV-50
BST-1500	nr. 2 - Ø32x1¼" L=700 - cod. 8560080	DPV-80
BST-2000	nr. 2 - Ø32x1¼" L=700 - cod. 8560080	DPV-100

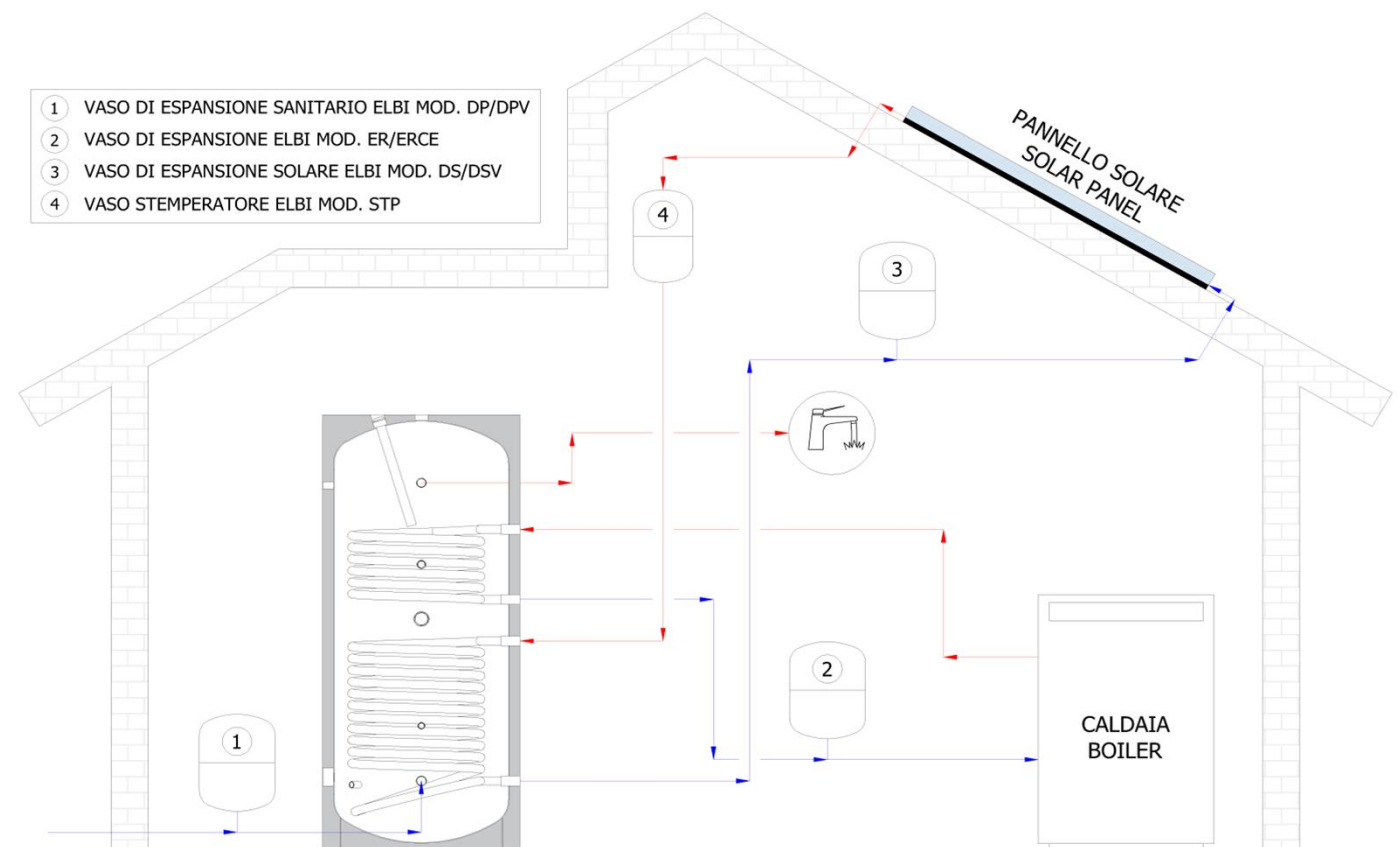
(\*) Il vaso di espansione deve essere sempre dimensionato da un progettista termotecnico esperto sulla base dei dati effettivi dell'impianto.

*The expansion tank must always be sized by an expert technician on the basis of actual system parameters.*

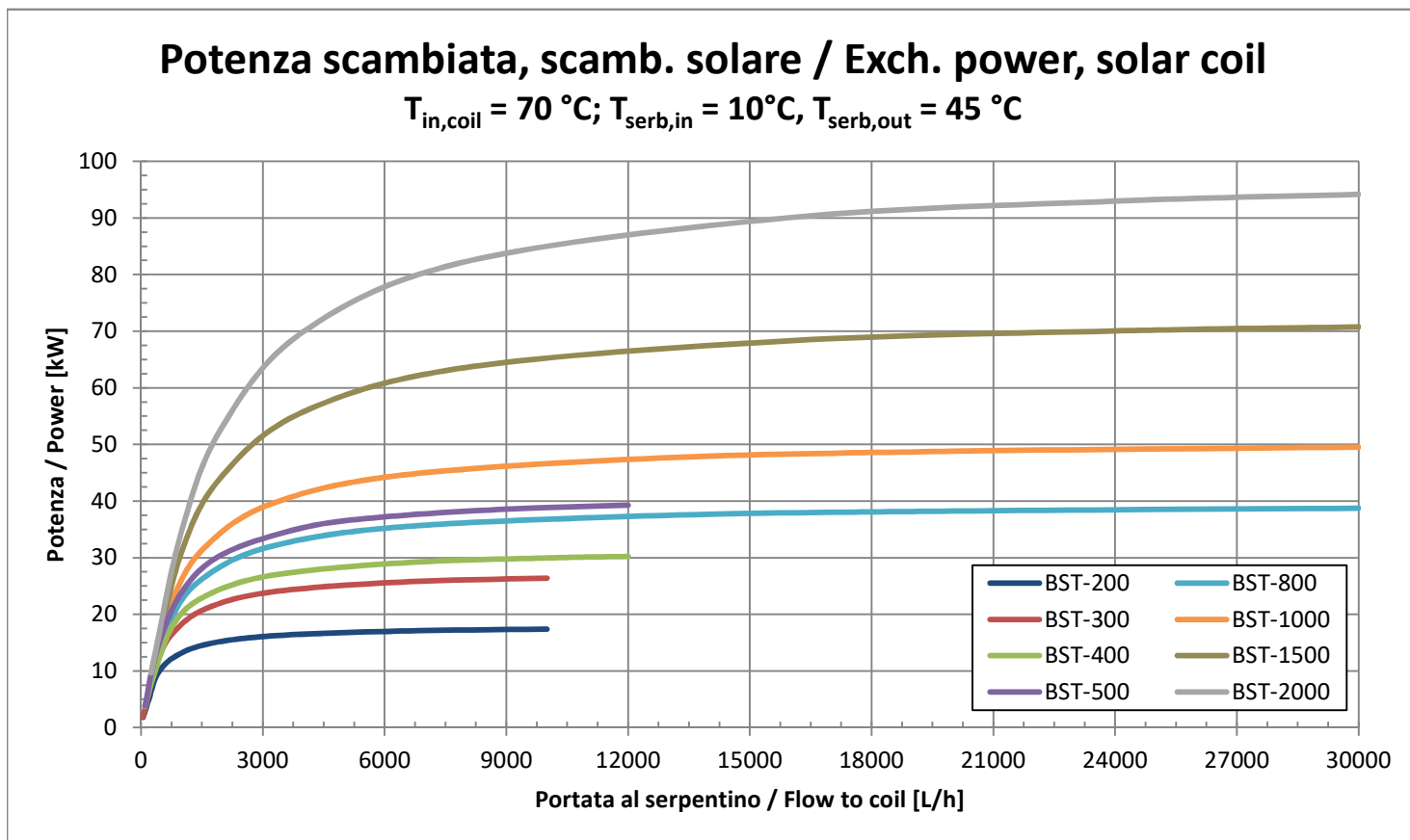
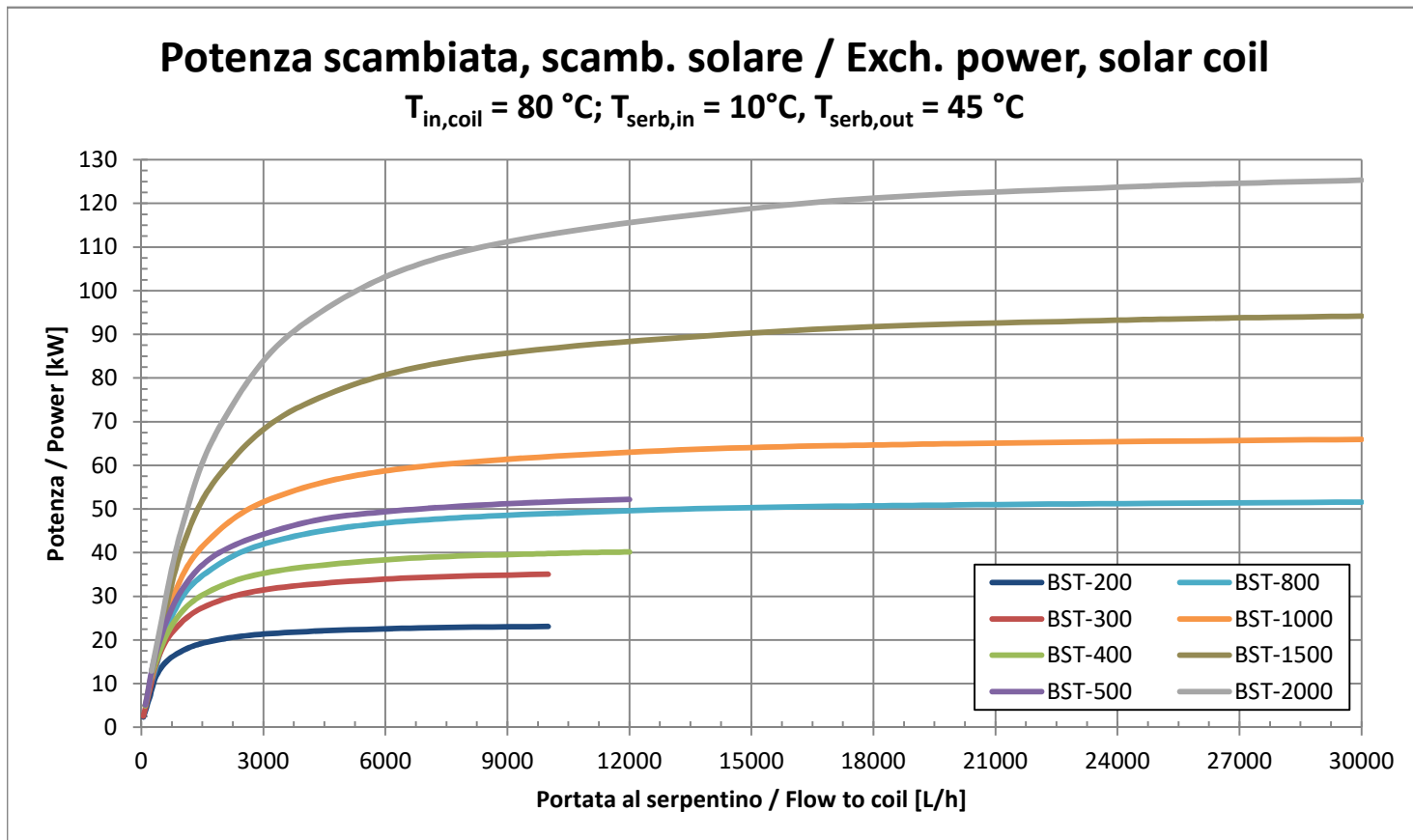
## Resistenze elettriche / Immersion heaters:

Codice Code	Potenza Power	Alimentazione Source	Attacco Connectio	Lunghezza Length	Applicabilità / Applicable to BST type							
					200	300	400	500	800	1000	1500	2000
RESISTENZE SENZA TERMOSTATO / IMMERSION HEATERS WITHOUT THERMOSTAT												
8601000	1	220V / 1F	G1½"	295	✓	✓	✓	✓	✓	✓	✓	✓
8601650	1,65	220V / 1F	G1½"	450	✓	✓	✓	✓	✓	✓	✓	✓
8602000	2	220V / 1F	G1½"	515	x	x	✓	✓	✓	✓	✓	✓
8602600	2,6	220V / 1F	G1½"	675	x	x	x	x	✓	✓	✓	✓
8602601	2,6	220V / 1F	G1½"	360	✓	✓	✓	✓	✓	✓	✓	✓
8603300	3,3	220V / 1F	G1½"	825	x	x	x	x	x	x	✓	✓
8603301	3,3	220V / 1F	G1½"	435	✓	✓	✓	✓	✓	✓	✓	✓
8604001	4	220V / 1F	G1½"	510	x	x	✓	✓	✓	✓	✓	✓
8705000	5	380V / 3F	G1½"	445	✓	✓	✓	✓	✓	✓	✓	✓
8706000	6	380V / 3F	G1½"	510	x	x	✓	✓	✓	✓	✓	✓
8708000	8	380V / 3F	G1½"	670	x	x	x	x	✓	✓	✓	✓
8710000	10	380V / 3F	G1½"	820	x	x	x	x	x	x	✓	✓
8712000	12	380V / 3F	G1½"	970	x	x	x	x	x	x	✓	✓
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	x	✓	✓	✓	✓	✓	✓	✓
8T06000	6	380V / 3F	G1½"	600	x	x	✓	✓	✓	✓	✓	✓
8T09000	9	380V / 3F	G1½"	700	x	x	x	x	✓	✓	✓	✓
8T12000	12	380V / 3F	G1½"	850	x	x	x	x	x	x	✓	✓

## Esempio di installazione / Installation scheme:

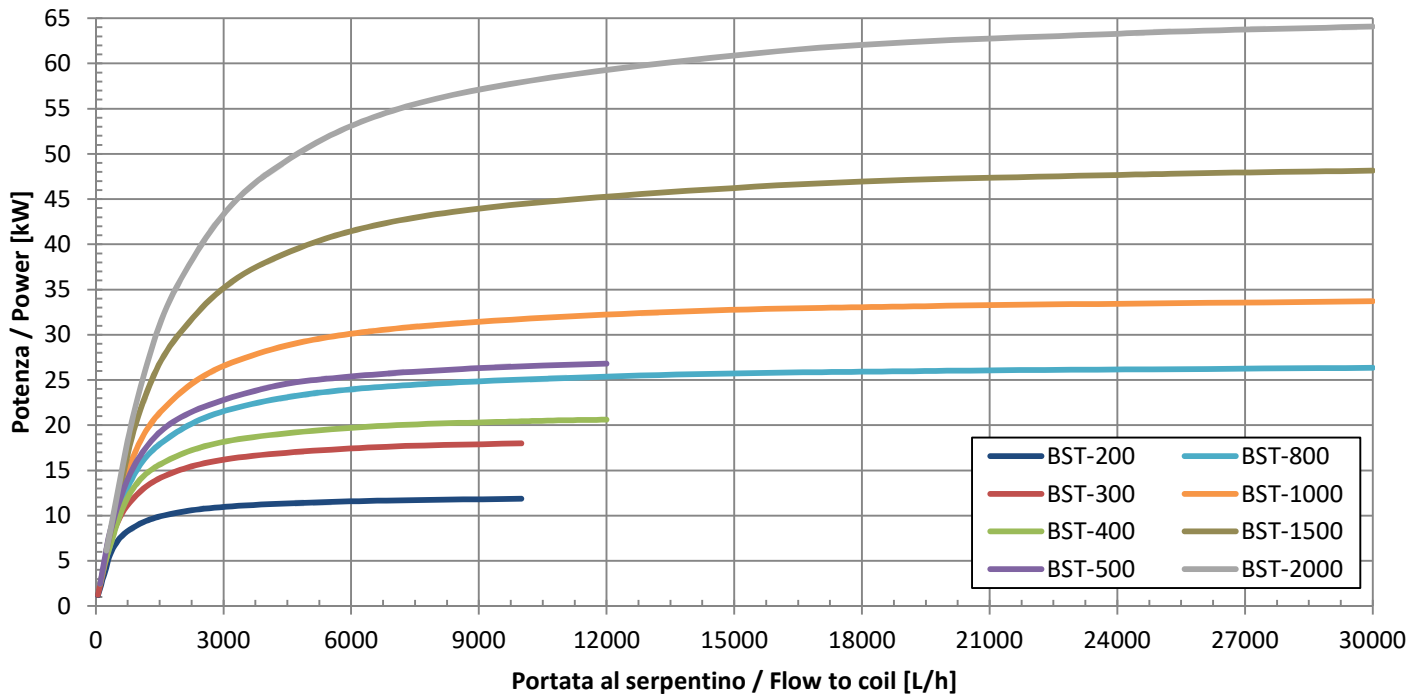


Prestazioni teoriche / typical performances:



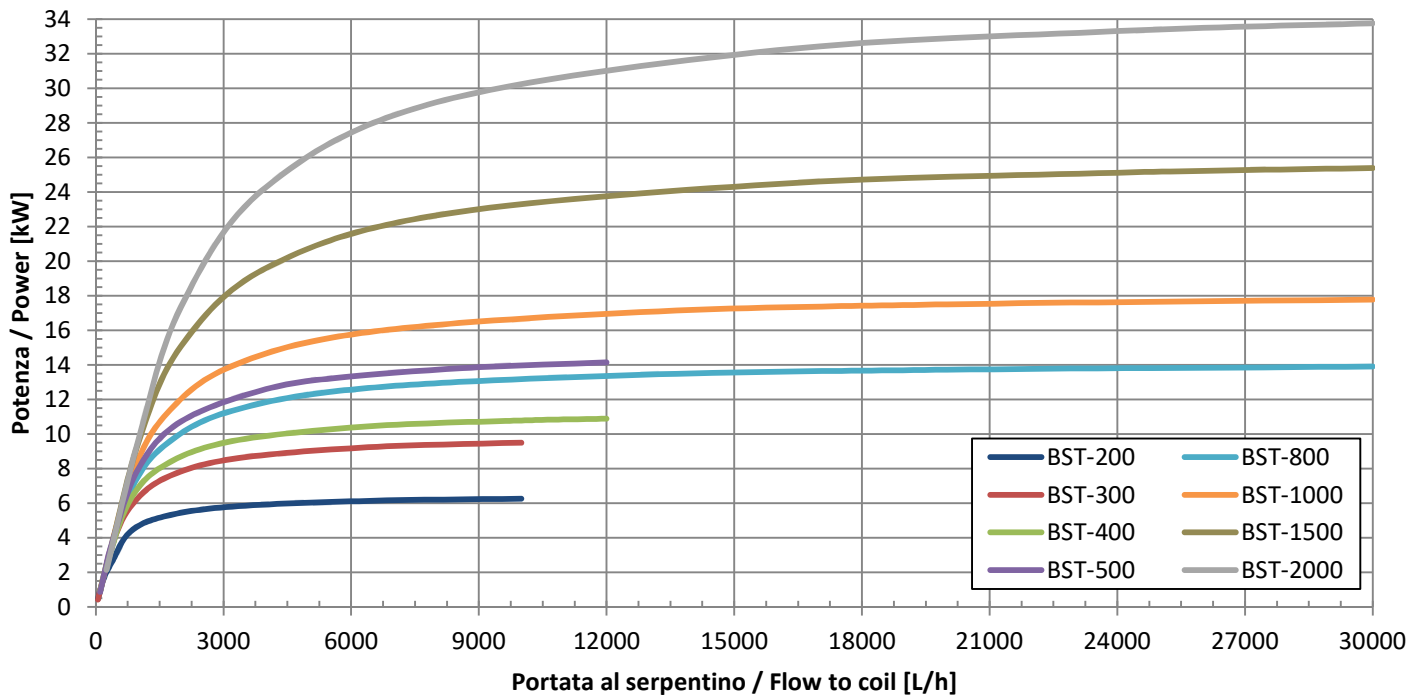
### Potenza scambiata, scamb. solare / Exch. power, solar coil

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



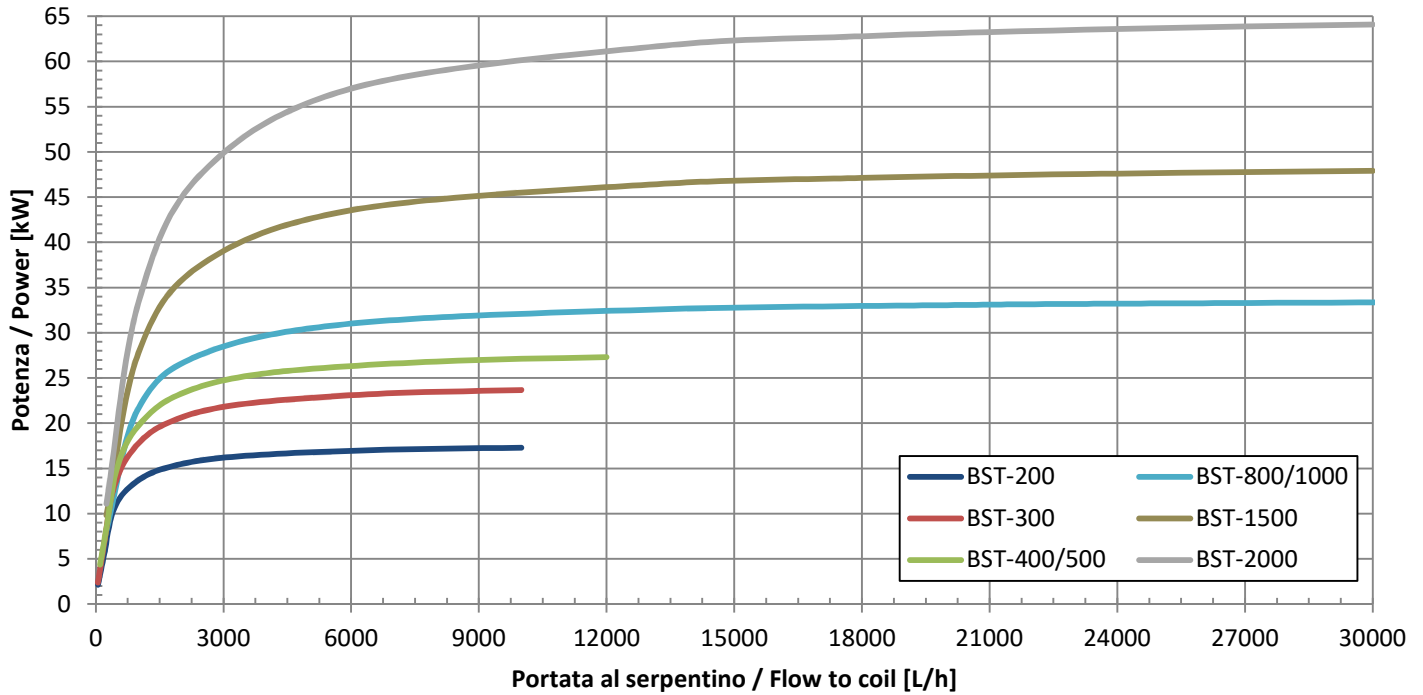
### Potenza scambiata, scamb. solare / Exch. power, solar coil

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



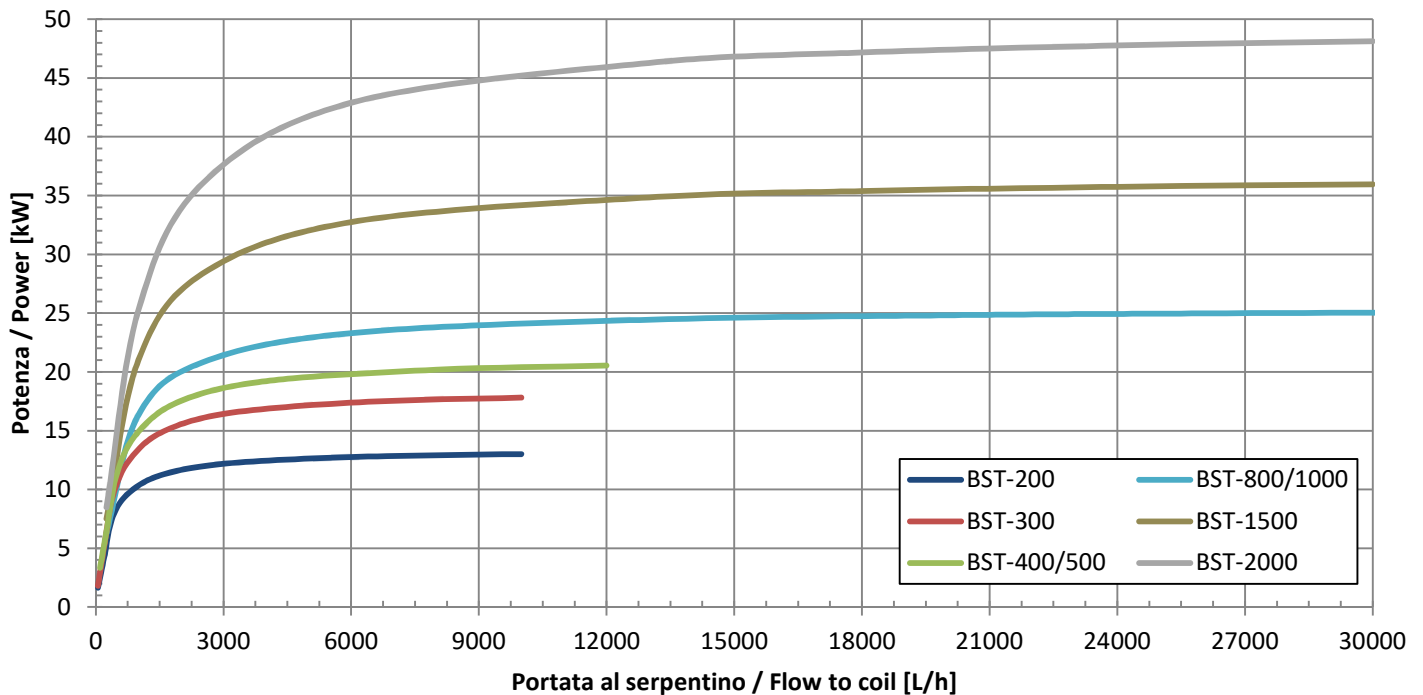
### Potenza scambiata, scamb.integr./Exch. power, integr.coil

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



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

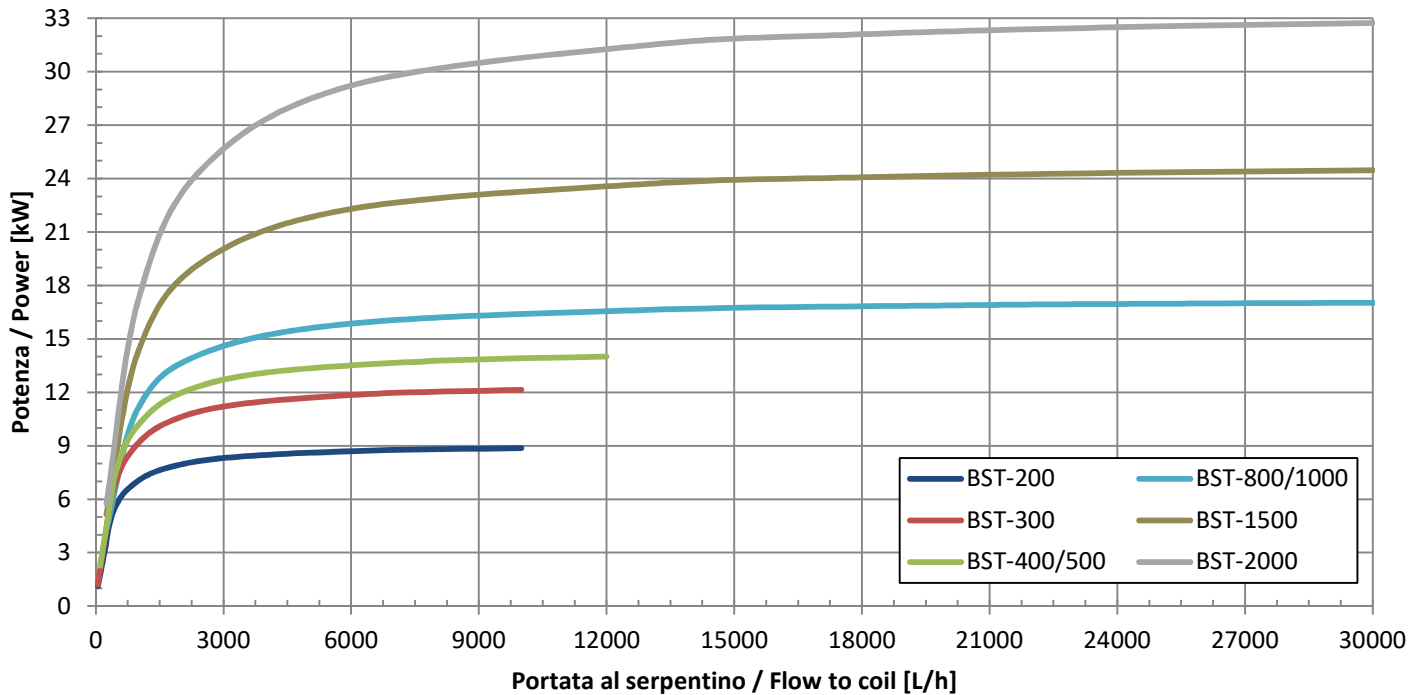
$T_{in,coil} = 70\text{ °C}; T_{serb,in} = 10\text{ °C}, T_{serb,out} = 45\text{ °C}$





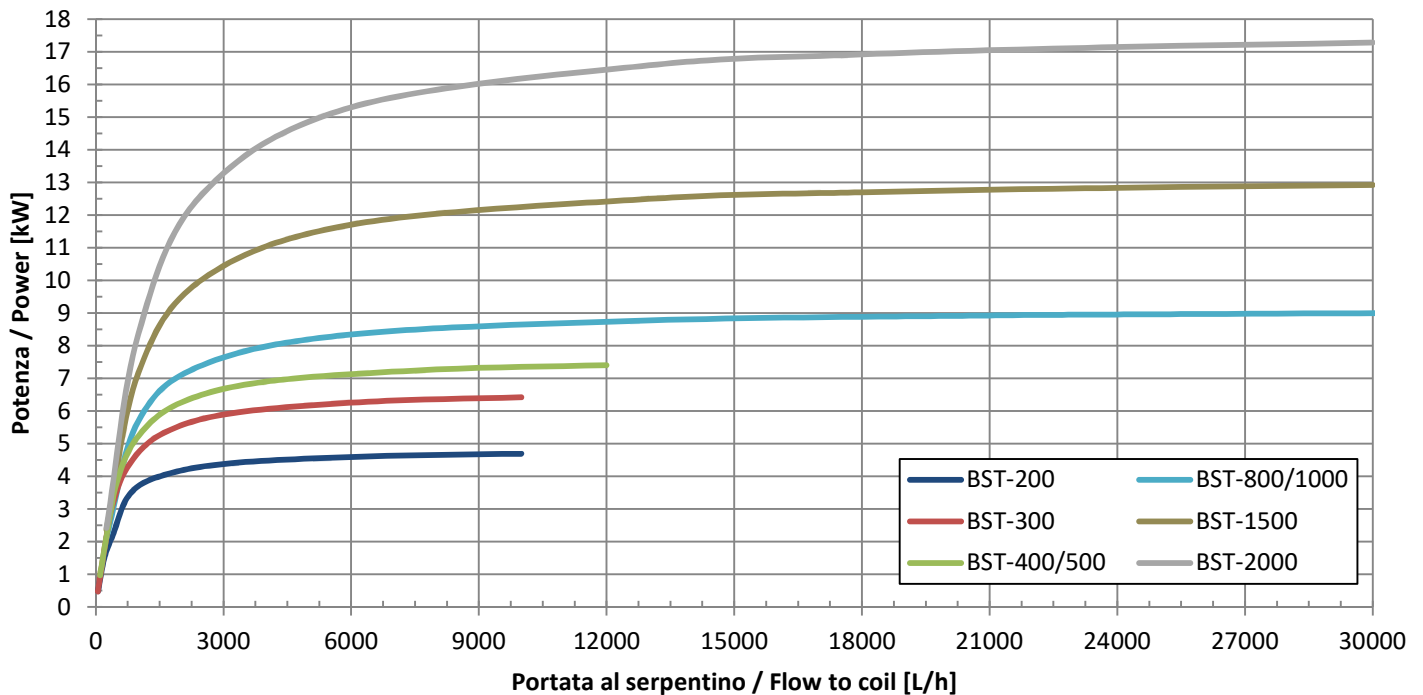
### Potenza scambiata, scamb.integr./Exch. power, integr.coil

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

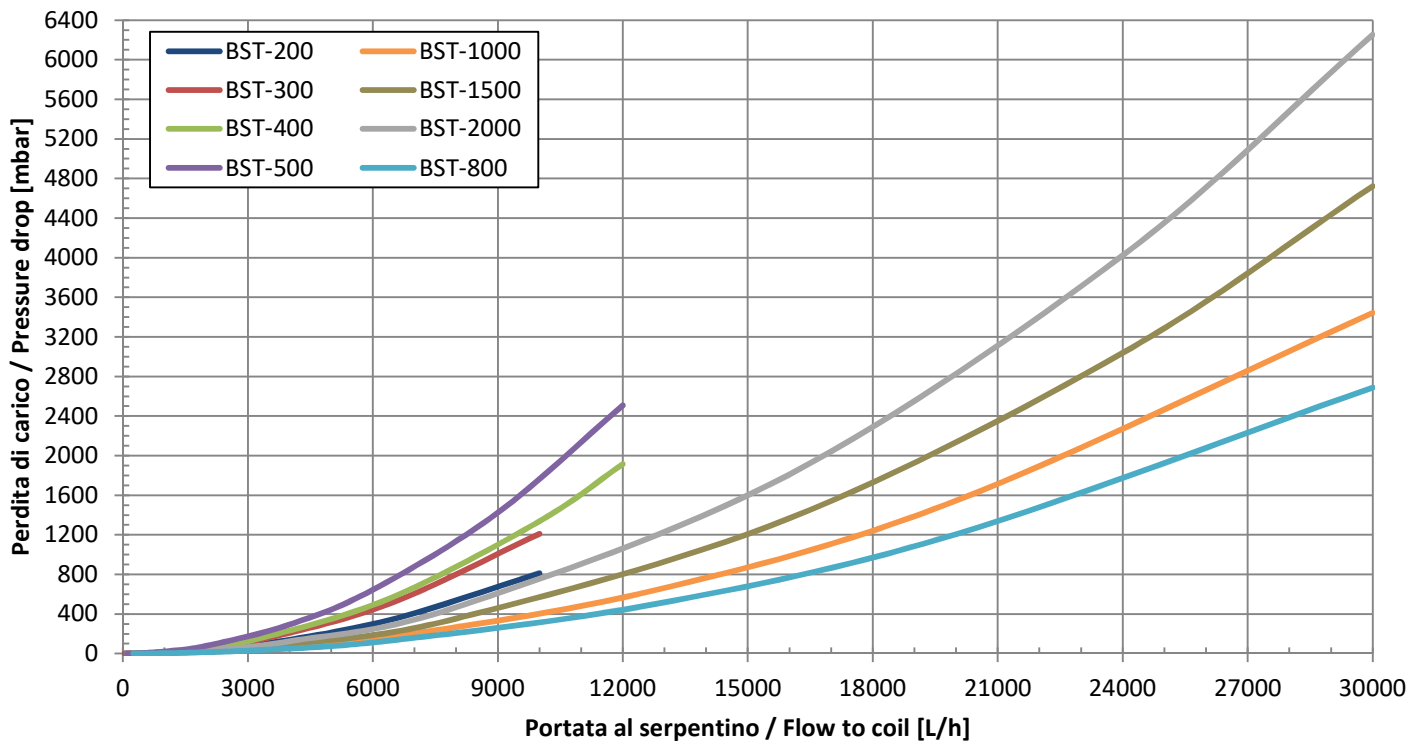


### Potenza scambiata, scamb.integr./Exch. power, integr.coil

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



### Perdite di carico sul serp. solare / Solar coil press. drop



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

