



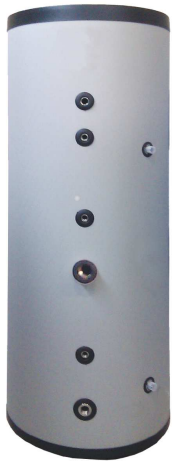
Produzione ACS per pompa di calore
Stainless steel cylinders for use with Heat Pumps

BOLLITORI INOX DHW CYLINDERS

SS-HP



Capacità - Capacity: 170 - 200 - 300 - 400 - 500 - 600 - 800 - 1000 Litri - Litres



INFORMAZIONI GENERALI - GENERAL FEATURES

Bollitori verticali per la produzione di acqua calda sanitaria realizzati in acciaio inossidabile AISI 316L progettati per impianti alimentati da pompe di calore.

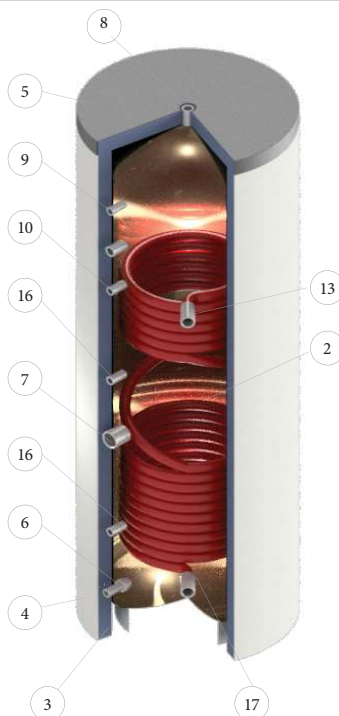
Domestic hot water vertical cylinders made from stainless steel AISI 316L designed for head pump applications.

ALCUNI VANTAGGI - BENEFITS FROM

- Soddisfano il fabbisogno di acqua calda sanitaria in impianti residenziali.
 - Dotati di un'elevata superficie di scambio, assicurano continuità di funzionamento della pompa di calore.
 - Lunga durata grazie al serbatoio in acciaio inossidabile AISI 316L.
 - Dotati di scambiatori di calore in acciaio inossidabile AISI 316L, consentono una produzione rapida di acqua calda sanitaria.
 - Non richiedono anodo sacrificale, evitando costi di manutenzione aggiuntivi.
- *The SS-HP cylinders can deliver sufficient hot water to meet the average request in households applications.*
 - *The extended heat exchange surface enables the heat transfer to occur internally, that is in the cylinder, and in most cases it provides an effective alternative to the use of external plate heat exchangers.*
 - *The stainless steel AISI 316L base material for both the cylinder and heat exchanger ensures durability.*
 - *Fast recovery is made possible by the extended heat exchangers surface.*
 - *No need of magnesium anode ensure savings on maintenance.*

INOX

ESEMPIO D'INSTALLAZIONE - INSTALLATION EXAMPLE

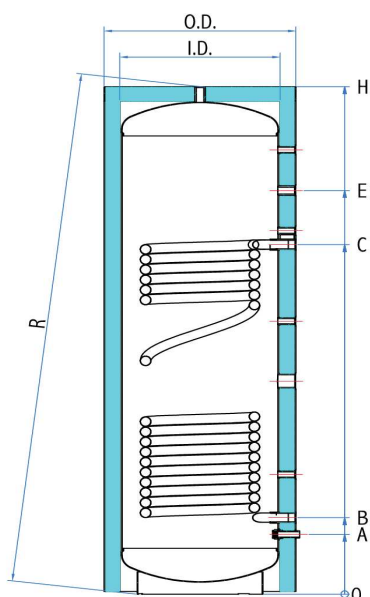


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|----|--|
| 2 | Scambiatore pompa di calore - Heat pump heat exchanger |
| 3 | Coibentazione rimovibile - Removable Insulation |
| 4 | Rivestimento esterno - PVC Outer casing |
| 5 | Coperchio - Top flat cover black colour |
| 6 | Entrata acqua fredda - Cold water supply |
| 7 | Resistenza (1 1/2") - Immersion heating element (1 1/2") |
| 8 | Prelievo acqua calda sanitaria - Hot water draw-off |
| 9 | Valvola di sicurezza T&P (1/2") - T&P valve (1/2") |
| 10 | Ricircolo - Secondary circulation/ Boiler thermostat |
| 11 | Entrata dal collettore - Flow from solar |
| 13 | Entrata dalla pompa di calore - Flow from heat pump |
| 16 | Termostato (1/2") - Thermostat (1/2") |
| 17 | Uscita alla pompa di calore - Heat Pump Return |

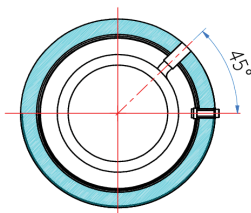


DIMENSIONI - DIMENSIONAL DATA

SS-HP 170 - 200 - 300 - 400 - 500



		170	200	300	400	500
Entrata acqua fredda Cold Water Supply	A	3/4" M	3/4" M	3/4" M	3/4" M	1"
Uscita pompa di calore Flow from Boiler	B	1"	1"	1"	1"	1"
Entrata pompa di calore Flow from heat pump	C	1" M	1" M	1" M	1" M	1" M
Ricircolo Secondary circulation	E	3/4"	3/4"	3/4"	3/4"	3/4"
Prelievo ACS Hot water draw-offs	H	3/4"	3/4" M	3/4" M	3/4" M	1"



(L)	Capacity	Mod. - Trade name	(mm)							Cod. - Part number		
			O.D	I.D	A	B	C	E	H		R	
	176	SS-HP 170	B	610	500	215	215	775	775	1070	1100	B1750D7
	217	SS-HP 200	G	610	500	215	275	835	980	1320	1340	B2050D7
	313	SS-HP 300	C	610	500	215	275	1255	1450	1820	1840	B3050D7
	394	SS-HP 400	C	710	600	215	275	1255	1240	1590	1620	B4060D7
	464	SS-HP 500	C	710	600	215	275	1255	1450	1840	1870	B4560D7

Disponibili pozzetti porta sonda in AISI 316 (vedere pagina 52) - Sensor pockets made from AISI 316 stainless steel are displayed at page 52.

RESE TERMICHE - PERFORMANCE INFORMATION

SS - HP 170 - 200 - 300 - 400 - 500

Capacità - Capacity	L	176	217	313	394	464
Dispersioni - Heat loss $\Delta T=20-65^{\circ}\text{C}$	kWh/24h	1.32	1.58	1.99	2.33	2.59
Scambiatore Solare - Solar Heat Exchanger						
Superficie* - Surface*	m ²	2.0	2.0	3.0	4.0	4.0
Contenuto d'acqua - Water Content	L	11.0	11.0	16.5	22.0	22.0
Capacità riscaldata - Heated Volume	L	166	186	280	355	405
Fluido primario - Primary flow $\Delta T = 5^{\circ}\text{C}$						
Potenza a - Coil output at $T = 45^{\circ}\text{C}$ - Acqua fredda - Up from $T = 10^{\circ}\text{C}$	kW	10	10	15	16	16



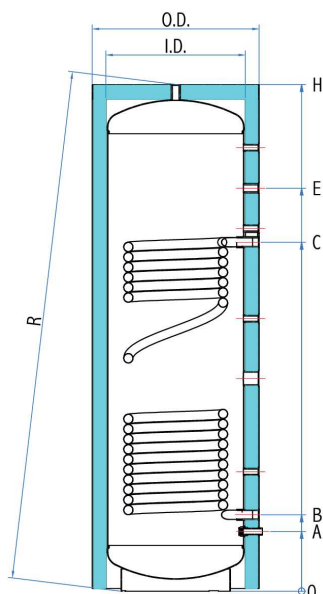
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BOLLITORI INOX DHW CYLINDERS

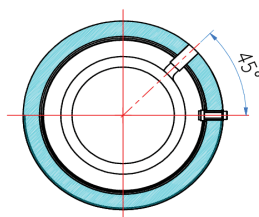
SS-HP

DIMENSIONI - DIMENSIONAL DATA

SS-HP 600 - 800 - 1000



		600	800	1000
Entrata acqua fredda Cold Water Supply	A	1 1/2"	1 1/2"	1 1/2"
Uscita pompa di calore Flow from Boiler	B	1"	1 1/4"	1 1/4"
Entrata pompa di calore Flow from heat pump	C	1"	1 1/4"	1 1/4"
Ricircolo Secondary circulation	E	1"	1"	1"
Prelievo ACS Hot water draw-offs	H	1 1/2"	1 1/2"	1 1/2"



(L)		(mm)								
Capacity	Mod. - Trade name	O.D.	I.D.	A	B	C	E	H	R	Cod. - Part number
575	SS-HP 600	850	650	330	390	1370	1565	2020	2050	B6065F7
735	SS-HP 800	990	790	380	440	1420	1390	1890	1940	B8079F7
906	SS-HP 1000	990	790	380	440	1420	1615	2240	2300	BM079F7

Disponibili pozzetti porta sonda in AISI 316 (vedere pagina 52) - Sensor pockets made from AISI 316 stainless steel are displayed at page 52.

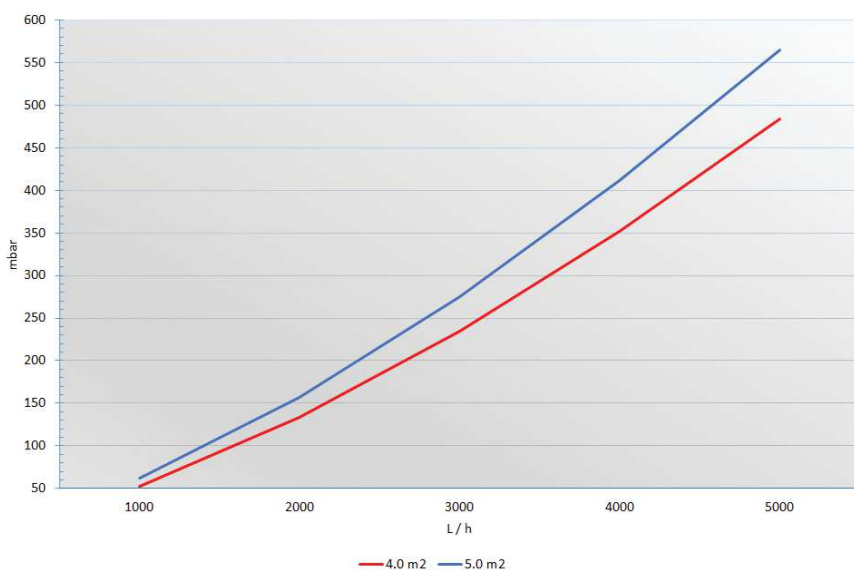
RESE TERMICHE - PERFORMANCE INFORMATION

SS - HP 600 - 800 - 1000

Capacità - Capacity	L	575	735	906
Dispersioni - Heat loss $\Delta T=20-65^{\circ}\text{C}$	kWh/24h	2.38	2.93	3.20
Scambiatore Solare - Solar Heat Exchanger				
Superficie* - Surface*	m ²	4.0	5.0	5.0
Contenuto d'acqua - Water Content	L	22.0	33.0	33.0
Capacità riscaldata - Heated Volume	L	504	611	782
Fluido primario - Primary flow $\Delta T = 5^{\circ}\text{C}$				
Potenza a - Coil output at T = 45 °C - Acqua fredda - Up from T = 10 °C	kW	16	21	21

*Serpentina corrugata - *Corrugated coiled pipe

INOX



Perdita di carico scambiatori a serpentina
 Fluido primario: acqua
 Fluido primario T=80 °C

Heat Exchangers Pressure Drop
 Fluid: Water
 Primary T=80 °C

DATI TECNICI - TECHNICAL DATA

- **Normativa - Design** PED 2014/68/EU, Ecodesign 814/2003, Energy Labelling 812/2013
- **Temperatura massima d'esercizio - Design Temperature**
 - Bollitore - Cylinder 99 °C
 - Scambiatori di calore - Heat exchanger 110 °C
- **Pressione massima d'esercizio - Design Pressure**
 - Bollitore - Cylinder 6 bar
 - Scambiatori di calore - Heat exchanger 10 bar

MATERIALI - MATERIALS

- | | |
|--|--|
| Bollitore - Cylinder | Acciaio Inossidabile - Stainless Steel AISI 316L |
| Scambiatori di calore - Heat exchanger | Acciaio Inossidabile - Stainless Steel AISI 316L |
| Coibentazione - Insulation | |
| SS-HP 170-300 | 40 kg/m ³ PUR |
| SS-HP 400-1000 | EPS 80 + Grafite |
| Rivestimento - Outer casing | 280 μm PVC + 5 mm PUR |

