



PPS1

BUFFER TANK FOR HEATING SYSTEMS WITH FIXED SPIRAL COIL FOR HEATING APPLICATIONS

281 - 1.902 litres

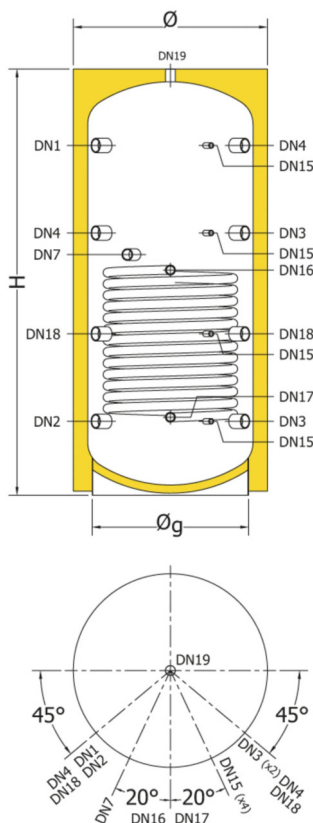
INSTALLATIONS

- traditional boilers (wall-hung and/or floor-standing)
- pellet boilers
- biomass boilers
- burning thermo-fireplaces
- solar thermal systems.

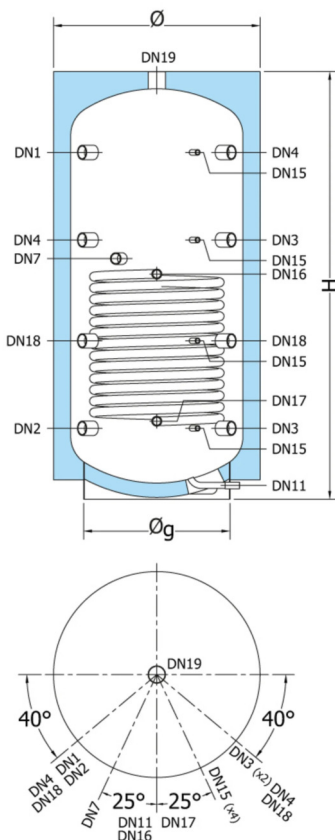
CHARACTERISTICS

MAX TEMPERATURE	95 °C	MAX PRESSURE (mod. 300)	10 bar
EXCHANGER MAX TEMPERATURE	110 °C	MAX PRESSURE (mod. 500 - 1000)	8 bar
		MAX PRESSURE (mod. 1500 - 5000)	4 bar
		EXCHANGER MAX PRESSURE	12 bar

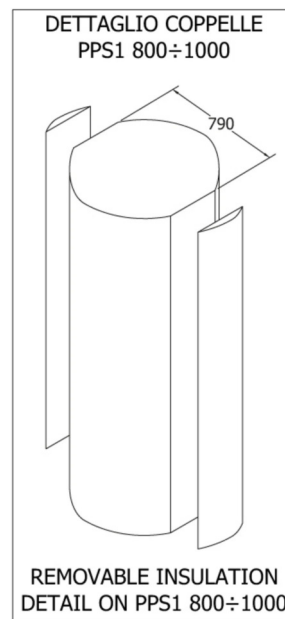
PPS1 300 - 1000



PPS1 1500 - 2000



PPS1 800 - 1000 CUPS



Keyword

DN	Description
DN1	Inlet from boiler
DN2	Return to boiler
DN5	To heating system
DN6	Flow to heating system
DN7	Predisposition for immersion heater
DN11	Drain
DN15	Probe
DN16	Inlet from integration
DN17	Return to integration
DN18	Auxiliary connection
DN19	Auxiliary connection

Model	Code	Energy label	St. loss W	Capacity L	EXCHANGER		H mm	Ø skirt mm	Ø mm	Pm mm
					m ²	l				
PPS1-300	A3Z1L51 PGP75	B	66	271	1.5	11	1670	460	650	1800
PPS1-500	A3Z1E55 PGP55	C	89	461	2.1	17	1735	600	760	1900
PPS1-600	A3Z1E57 PGP55	C	94	543	2.1	17	1930	600	760	2080
PPS1-800	A3Z1E60 PGP75	C	128	693	2.4	25	1815	760	940	2050
PPS1-1000	A3Z1E62 PGP75	C	133	808	3	32	2065	760	940	2270
PPS1-1500	A3Z1E67 GW4A5	C	163	1532	4.1	43	2440	850	1270	2760
PPS1-2000	A3Z1E70 GW4A5	C	174	1846	4.6	49	2470	950	1370	2830

Pm: pivot measurement

Connection heights (mm)

MODEL	DN1	DN2	DN5	DN5	DN5	DN5	DN6	DN6	DN6	DN6	DN7	DN11	DN15	DN15	DN15	DN15	DN16	DN17	DN18	DN18	DN19
PPS1-300	1335	245	585	245	245	585	585	925	925	585	960	-	1335	285	985	635	895	290	635	635	-
PPS1-500	1400	270	1400	1025	1025	1400	270	645	645	270	950	-	1400	270	1025	645	875	290	1025	645	-
PPS1-600	1650	270	1650	1190	1190	1650	270	730	730	270	950	-	1650	270	1190	730	875	290	1190	730	-
PPS1-800	1425	375	1425	1075	1075	1425	375	725	725	375	955	-	1425	375	1075	725	870	375	1075	725	-
PPS1-1000	1675	375	1675	1245	1245	1675	375	705	705	375	1110	-	1675	375	1245	705	1035	375	1245	705	-
PPS1-1500	1955	455	1955	1455	1455	1955	455	955	955	455	1290	80	1955	455	1455	955	1115	455	1455	955	-
PPS1-2000	1975	475	1975	1475	1475	1975	475	975	975	475	1310	80	1975	475	1475	975	1135	475	1475	975	-

Connection sizes

MODEL	DN1	DN2	DN5	DN5	DN6	DN6	DN7	DN11	DN15	DN16	DN17	DN18	DN19
PPS1-300	G1.1/2"	G1.1/2"	G1.1/2"	G1.1/2"	G1.1/2"	G1.1/2"	G1.1/2"	-	G1/2"	G1"	G1"	G1.1/2"	G1.1/4"
PPS1-500	G1.1/2"	G1.1/2"	G1.1/2"	G1.1/2"	G1.1/2"	G1.1/2"	G1.1/2"	-	G1/2"	G1"	G1"	G1.1/2"	G1.1/4"
PPS1-600	G1.1/4"	G1.1/2"	G1.1/2"	G1.1/2"	G1.1/2"	G1.1/2"	G1.1/2"	-	G1/2"	G1"	G1"	G1.1/2"	G1.1/4"
PPS1-800	G1.1/4"	G1.1/2"	G1.1/2"	G1.1/2"	G1.1/2"	G1.1/2"	G1.1/2"	-	G1/2"	G1.1/4"	G1.1/4"	G1.1/2"	G1.1/2"
PPS1-1000	G1.1/2"	G1.1/2"	G1.1/2"	G1.1/2"	G1.1/2"	G1.1/2"	G1.1/2"	-	G1/2"	G1.1/4"	G1.1/4"	G1.1/2"	G1.1/2"
PPS1-1500	G1.1/2"	G1.1/2"	G1.1/2"	G1.1/2"	G1.1/2"	G1.1/2"	G1.1/2"	G1"	G1/2"	G1.1/4"	G1.1/4"	G1.1/2"	G3"
PPS1-2000	G1.1/2"	G1.1/2"	G1.1/2"	G1.1/2"	G1.1/2"	G1.1/2"	G1.1/2"	G1"	G1/2"	G1.1/4"	G1.1/4"	G1.1/2"	G3"

Insulation characteristics

Model	Insulation type	Thickness (mm)	Finish
PPS1-300	Rigid expanded polyurethane with 95% closed cells, CFC and HCFC free, fire resistance class B2 acc. to DIN 4102-1	50	Grey polystyrene RAL 9006
PPS1-500	Rigid expanded polyurethane with 95% closed cells, CFC and HCFC free, fire resistance class B2 acc. to DIN 4102-1	50	Grey polystyrene RAL 9006
PPS1-600	Rigid expanded polyurethane with 95% closed cells, CFC and HCFC free, fire resistance class B2 acc. to DIN 4102-1	50	Grey polystyrene RAL 9006
PPS1-800	Rigid expanded polyurethane with 95% closed cells, CFC and HCFC free, fire resistance class B2 acc. to DIN 4102-1	75	Grey PVC RAL 9006
PPS1-1000	Rigid expanded polyurethane with 95% closed cells, CFC and HCFC free, fire resistance class B2 acc. to DIN 4102-1	75	Grey PVC RAL 9006
PPS1-1500	100% recyclable polyester fibre	130	Grey PVC RAL 9006
PPS1-2000	100% recyclable polyester fibre	130	Grey PVC RAL 9006

Reference standards

CYLINDER: | 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).

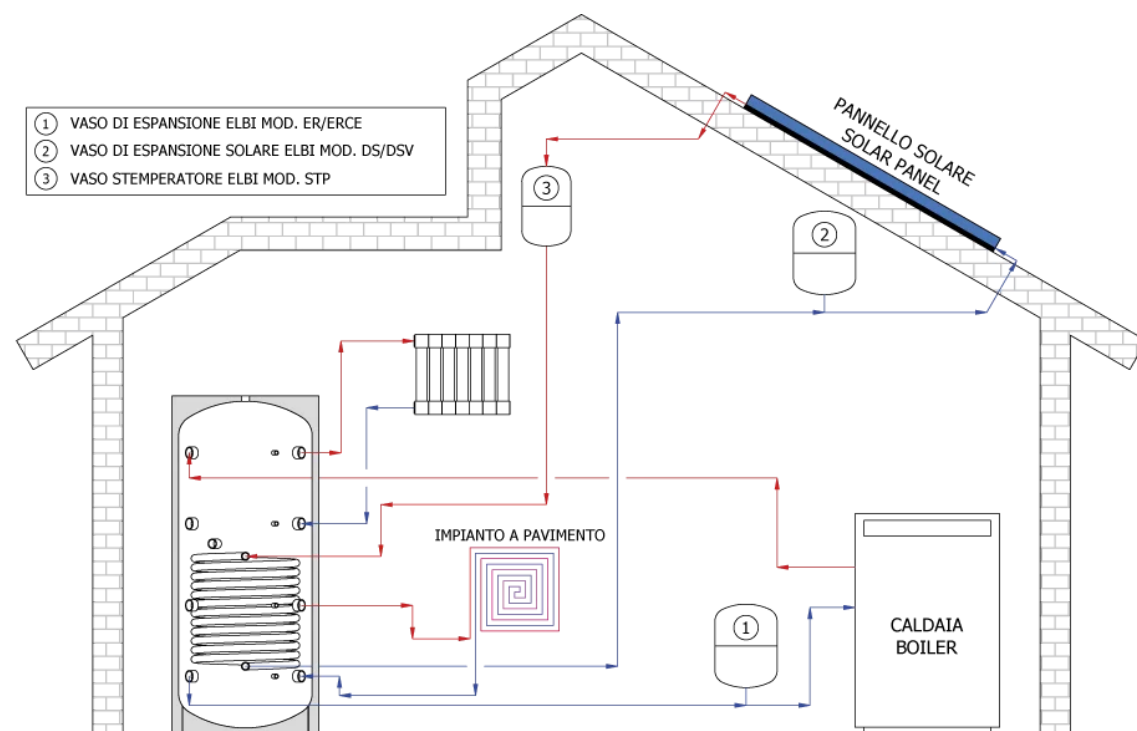
Warranty: 2 years

Immersion heaters

Code	Power	Source	Connection	Length	Applicable to						
					300	500	600	800	1000	1500	2000
IMMERSION HEATERS WITHOUT THERMOSTAT											
8601000	1	220	G1.1/4"	295	✓	✓	✓	✓	✓	✓	✓
8601650	1.65	220	G1.1/4"	450	✓	✓	✓	✓	✓	✓	✓
8602000	2	220	G1.1/4"	515	✓	✓	✓	✓	✓	✓	✓
8602600	2.6	220	G1.1/4"	675	✗	✗	✗	✓	✓	✓	✓
8602601	2.6	220	G1.1/4"	360	✓	✓	✓	✓	✓	✓	✓
8603300	3.3	220	G1.1/4"	825	✗	✗	✗	✗	✗	✓	✓
8603301	3.3	220	G1.1/4"	435	✓	✓	✓	✓	✓	✓	✓
8604001	4	220	G1.1/4"	510	✓	✓	✓	✓	✓	✓	✓
8705000	5	380	G1.1/2"	445	✓	✓	✓	✓	✓	✓	✓
8706000	6	380	G1.1/2"	510	✓	✓	✓	✓	✓	✓	✓
8708000	8	380	G1.1/2"	670	✗	✗	✗	✓	✓	✓	✓
8710000	10	380	G1.1/2"	820	✗	✗	✗	✗	✗	✓	✓
8712000	12	380	G1.1/2"	970	✗	✗	✗	✗	✗	✓	✓
IMMERSION HEATERS WITH THERMOSTAT											
8708000	8	380	G1.1/2"	670	✓	✓	✓	✓	✓	✓	✓
8T02000	2	230	G1.1/2"	320	✓	✓	✓	✓	✓	✓	✓
8T02200	2.2	230	G1.1/2"	320	✓	✓	✓	✓	✓	✓	✓
8T02500	2.5	230	G1.1/2"	320	✓	✓	✓	✓	✓	✓	✓
8T03000	3	230	G1.1/2"	320	✓	✓	✓	✓	✓	✓	✓
8T04000	4	400	G1.1/2"	400	✓	✓	✓	✓	✓	✓	✓
8T05000	5	400	G1.1/2"	500	✓	✓	✓	✓	✓	✓	✓
8T06000	6	400	G1.1/2"	600	✗	✓	✓	✓	✓	✓	✓
8T09000	9	400	G1.1/2"	700	✗	✗	✗	✓	✓	✓	✓
8T12000	12	400	G1.1/2"	850	✗	✗	✗	✗	✗	✓	✓

Example of installation

PPS1



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

Rev. date 11/09/2023