Austria Email

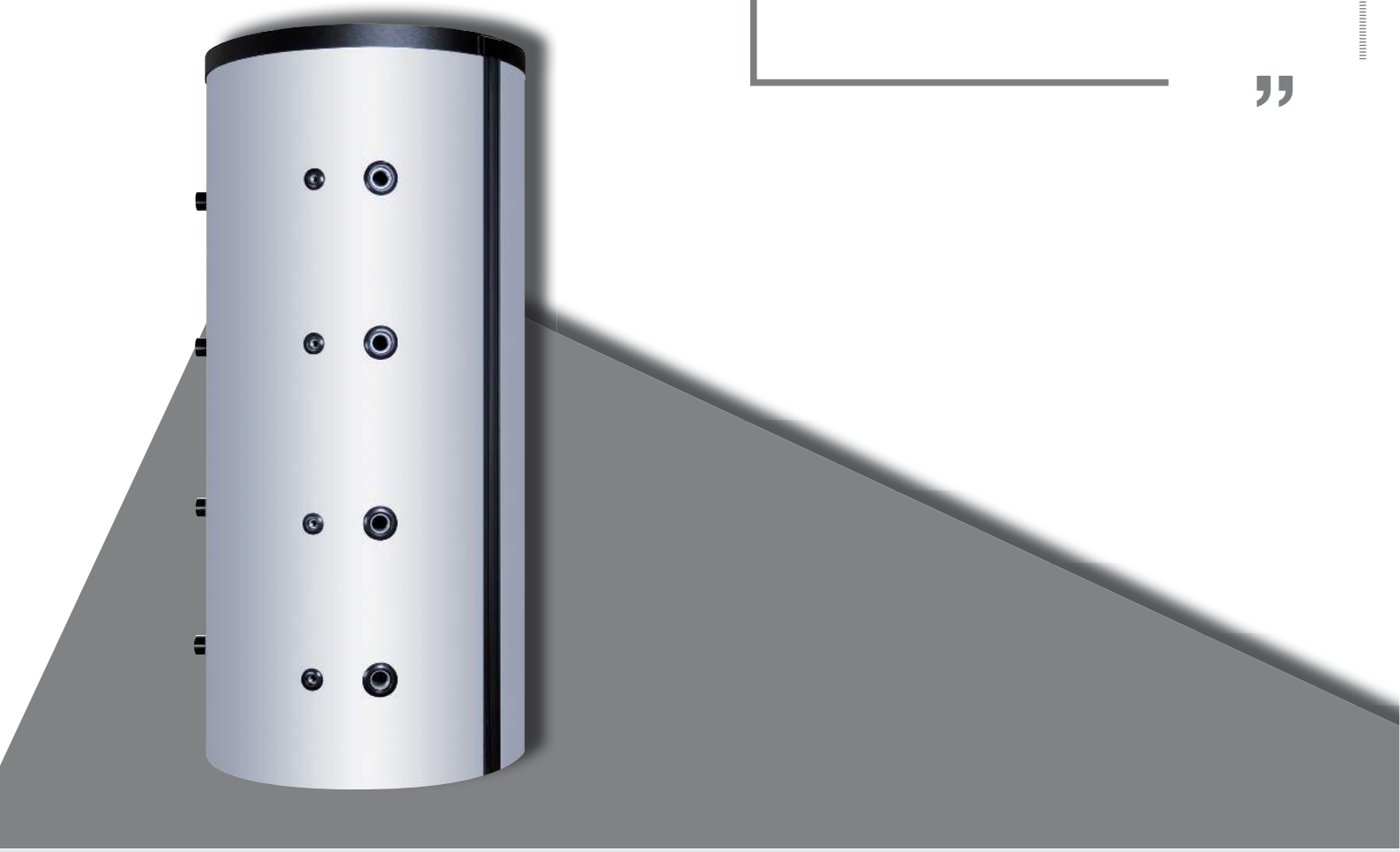
BUFFER- & COMBI STORAGE TANK

Buffer tank for solar and heating (Operating pressure 4 bar)

PSM / PSF / PSR / PSRR PZ / PZR / PZRR

200–5.000 LITRE

The perfect fit prevents chimney losses and saves energy costs!



Misprints and technical changes reserved!

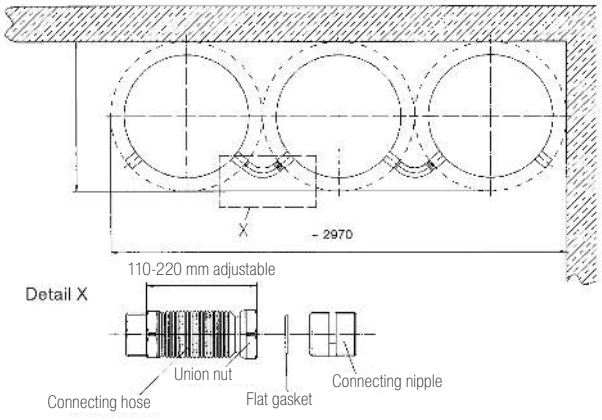
TECHNICAL DATA

- Operating pressure:
  - 4 bar in the buffer tank
  - 10 in the pipe register
  (PSR/PSRR und PZR/PZRR)
- Test pressure:
  - 6 bar in the buffer tank
  - 15 bar in the pipe register
  (PSR/PSRR und PZR/PZRR)
- Content:
  - PSF/PSM/PSR/PSRR 200 L to 5.000 L
  - PZ/PZR/PZRR von 500 L bis 1.500 L
- 100 mm ECO SKIN insulation
- Made of quality steel St 37-2
- Large-surface pipe registers on PSR/PSRR and PZR/PZRR types
- 240 mm flange on PSF types for the installation of a finned tube heat exchanger or a built-in heater
- 9 connection threads 6/4“ IT (internal thread) 2“ connections from 3,000 to 5,000 litres
- Special version: PSM/PSR 800 and 1,000 litres with 2“ connections and PSM/PSR 1,500 and 2,000 litres with 2 ½“ connections
- 4 control socket threads ½“ IT (internal thread) for PSF/PSM and PSR/PSRR types
- 2 sensor channels for variable positioning of the sensors for PZ/PZR and PZRR types
- Operating temperature 95 °C, 110 °C in the pipe register
- Powder coating outside (colour variations) up to 2,000 litres
- Rust-proof coating outside (from 3,000 litres)

ZUBEHÖR

- Rippenrohr-Wärmetauscher RWT2-180 (1,8 m2)
- Rippenrohr-Wärmetauscher RWT2-230 (2,3 m2)
- Rippenrohr-Wärmetauscher RWT2-360 (3,6 m2)
- Rippenrohr-Wärmetauscher RWT2-450 (4,5 m2)
- Einbauheizung RSW 2-9 U
- Einbauheizung RSW 2-24 U
- Einbauheizung RSW 2-45 U
- Einschraubheizkörper der Typenreihe „SH“ (2,0-9,0 kW außer PSRR 1000, 1500, 2000 und PZRR 1000 und 1500)
- Edelstahl-Verbindungswellschlauch für PS-Verbindungen
- Isolierrohr-Verschraubung

INSTALLATION EXAMPLE PUFFER BATTERY 3 X 1000



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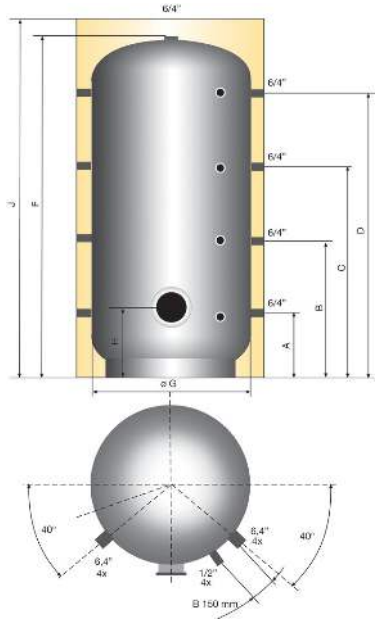
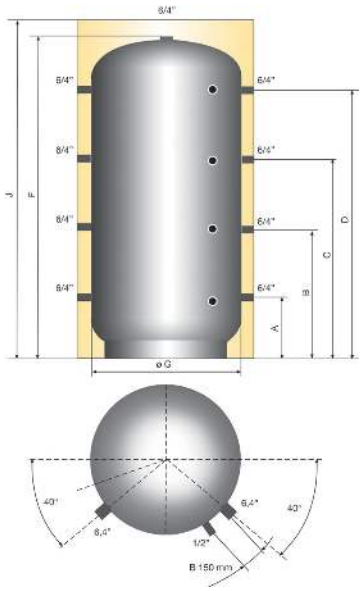
PSF

BUFFER TANK PSM
WITH FLANGE D 240



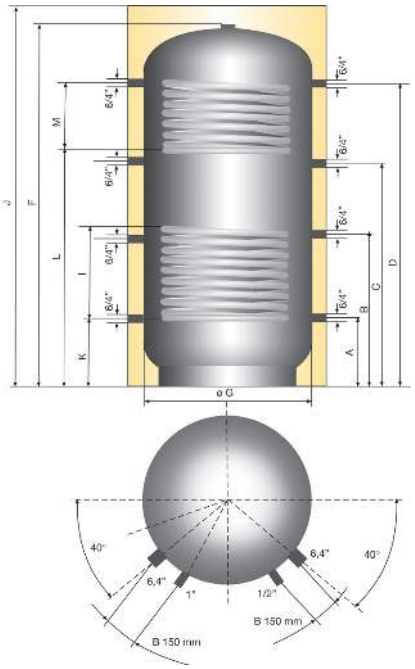
PSM

BUFFER TANK WITH 6/4“
CONNECTION SLEEVES



PSR / PSRR

BUFFER TANK PSM
WITH TUBULAR HEAT EXCHANGER



TECHNICAL DATA

Type	Article.no.	Dimensions in mm												Heat-exchanger-surface in m²		Heat-exchanger-surface in l		ETF in mm (PSF)	Tilt dimension in mm	Weight in kg
		A	B	C	D	F	Gø	H	I	J	K	L	M	below	top	below	top			
PSM 200	A 341 11	230	630	1030	-	1253	500	-	-	1330	230	-	-	-	-	-	-	-	1290	69
PSM 300	A 341 12	230	650	1070	1490	1710	500	-	-	1780	230	-	-	-	-	-	-	-	1740	78
PSF 500 **PSM 500** **PSR 500**	A 341 47 A 341 46 A 341 48	220	620	1010	1390	1640	650	340	495	1725	220	-	-	1,8	-	11	-	240/670	1670	89 87 113
PSF 800 **PSM 800** **PSR 800** **PSRR 800**	A 343 17 A 343 16 A 343 18 A 343 42	260	630	1030	1430	1700	790	390	585	1785	260	1070	360	2,4	1,8	15	11	240/810	1750	114 109 133 155
PSM 825	A 343 45	260	685	1140	1595	1857	790	-	-	1940	-	-	-	-	-	-	-	-	1900	115
PSF 1000 **PSM 1000** **PSR 1000** **PSRR 1000**	A 345 31 A 345 30 A 345 32 A 345 54	310	745	1250	1710	2050	790	390	720	2135	310	1160	540	3	2,4	19	15	240/810	2090	130 130 149 185
PSM 1250 **PSR 1250**	A 348 38 A 348 39	330	705	1105	1480	182	1000	-	630	1940	330	-	-	3,0	-	19	-	-	1890	130 176
PSF 1500 **PSM 1500** **PSR 1500** **PSRR 1500**	A 348 27 A 348 28 A 348 29 A 348 37	380	825	1350	1760	2150	1000	415	800	2235	375	1260	500	3,6	2,4	22	15	240/1050	2270	207 205 256 290
PSF 2000 **PSM 2000** **PSR 2000** **PSRR 2000**	A 349 27 A 349 28 A 349 29 A 349 35	320	900	1490	2020	2380	1100	423	800	2465	320	1420	540	4,2	2,8	26	18	240/1150	2460	251 251 307 311
PSF 3000 **PSM 3000** **PSR 3000**	A 349 08 A 349 04 A 349 09	375	985	1600	2205	2596	1250	460	720	2681	375	1665	540	4,5	3,0	29	19	240/1300	2650	363 363 343
PSM 4000	A 349 21	405	1022	1639	2255	2669	1400	490	720	2754	405	1715	540	5,0	3,6	32	22	-	2740	431
PSF 5000 **PSM 5000** **PSR 5000**	A 349 16 A 349 05 A 349 23	455	1065	1680	2285	2770	1600	540	720	2855	455	1745	540	6,0	4,2	39	26	240/1650	2893	511 504 584

ETF: Flange installation depth (for built-in heating or finned tube heat exchanger)

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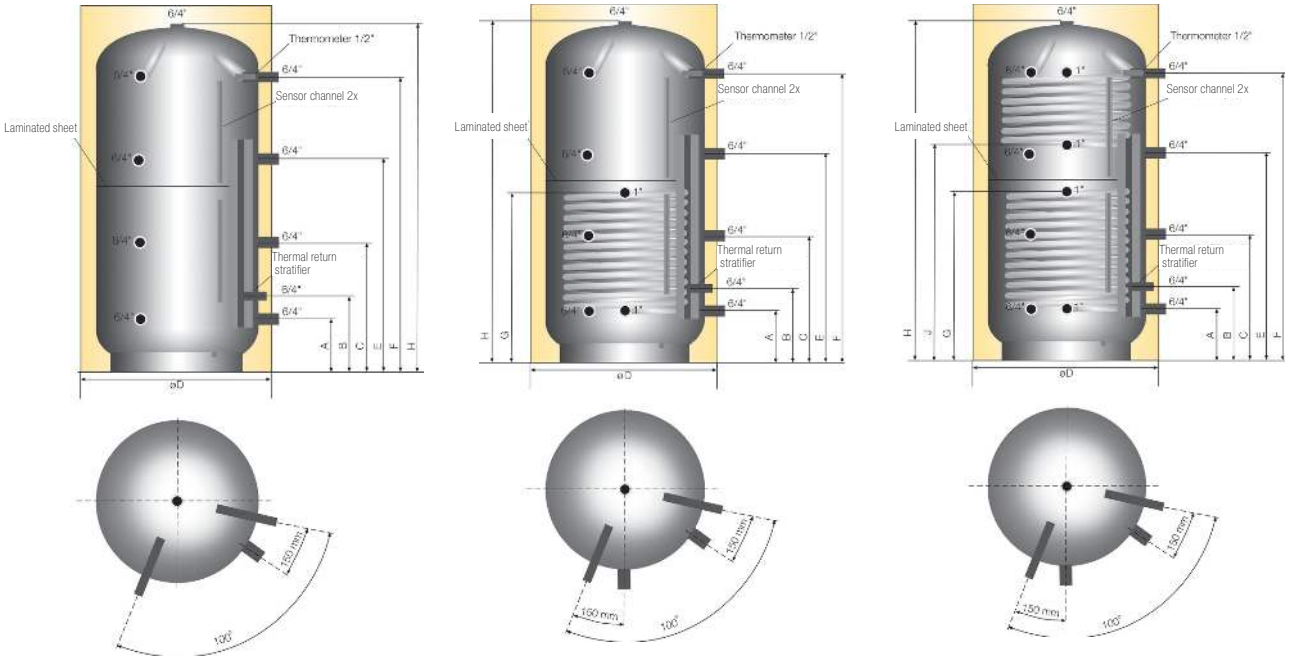
PZ **PZR** **PZRR**



The PZ/PZR/PZRR with a layering device in the heating return and a layer separation plate. Raised connection pipes in the flow for better utilisation of the buffer content and sensor channels for flexible positioning of temperature sensors round off the innovative concept.

TECHNICAL DATA

Type	Article.no.	Dimensions in mm											Register area in m²		Register content in l		Tilt dimension in mm	Weight in kg
		H	H with insulation	Dø	Dø with insulation	A	B	C	E	F	G (PZ / PZR / PZRR)	J (PZ / PZR / PZRR)	below (PZ / PZR / PZRR)	top (PZ / PZR / PZRR)	below (PZ / PZR / PZRR)	top (PZ / PZR / PZRR)		
PZ 500 **PZR 500** **PZRR 500**	A 341 68 A 341 69 A 348 35	1640	1725	650	850	220	320	620	1010	1390	-/715/715	-/-/1040	-/1,9/1,9	-/-/1,2	-/12,3/12,3	-/-/7,9	1670	87 117 167
PZ 800 **PZR 800** **PZRR 800**	A 343 39 A 343 40 A 343 41	1700	1785	790	990	260	365	630	1030	1430	-/845/845	-/-/1070	-/2,4/2,4	-/-/1,6	-/15,6/15,6	-/-/10,6	1750	105 142 167
PZ 1000 **PZR 1000** **PZRR 1000**	A 345 51 A 345 52 A 345 53	2050	2135	790	990	310	415	745	1250	1710	-/1030/1030	-/-/1160	-/3,0/3,0	-/-/2,4	-/19,2/19,2	-/-/15,6	2090	122 162 295
PZ 1500 **PZR 1500** **PZRR 1500**	A 348 34 A 348 35 A 348 36	2150	2235	1000	1200	380	480	825	1350	1760	-/1175/1175	-/-/1265	-/3,6/3,6	-/-/2,4	-/23,5/23,5	-/-/15,6	2270	210 250 295

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EXECUTIONS

Types	200	300	500	800	825	1000	1250	1500	2000	3000	4000	5000
PSF			X	X		X		X	X	X	X	X
PSM	X	X	X	X	X	X	X	X	X	X	X	X
PSR			X	X		X	X	X	X	X	X	X
PSRR				X		X		X	X	X	X	X

EXECUTIONS

Types	500	800	1000	1500
PZ	X	X	X	X
PZR	X	X	X	X
PZRR	X	X	X	X

ECO DESIGN-LABELING

5 YEARS WARRANTY

Type	Heat loss ccording to EN 12897		Tapping profile	Energy efficiency class
	in kWh/24h	S in watts		
PZ 500	2,03	84,6	3XL	C
PZ 800	2,59	107,9	3XL	C
PZ 1000	3,02	125,8	4XL	C
PZ 1500	3,67	152,9	4XL	C
PZR 500	2,03	84,6	3XL	C
PZR 800	2,59	107,9	3XL	C
PZR 1000	3,02	125,8	4XL	C
PZR 1500	3,67	152,9	4XL	C
PZRR 500	2,03	84,6	3XL	C
PZRR 800	2,59	107,9	3XL	C
PZRR 1000	3,02	125,8	4XL	C
PZRR 1500	3,67	152,9	4XL	C

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ECO DESIGN-LABELING

5 YEARS WARRANTY

Type	Heat loss ccording to EN 12897		Tapping profile	Energy efficiency class
	in kWh/24h	S in watts		
PSM 200	1,29	53,8	XL	B
PSM 300	1,66	69,2	XXL	B
PSM 500	2,03	84,6	3XL	C
PSM 800	2,59	107,9	3XL	C
PSM 825	2,64	110,0	3XL	C
PSM 1000	3,02	125,8	4XL	C
PSM 1250	3,35	139,6	4XL	C
PSM 1500	3,67	152,9	4XL	C
PSM 2000	4,33	180,4	4XL	C
PSM 3000	5,52	230,0	-	-
PSM 4000	6,53	272,1	-	-
PSM 5000	7,35	306,3	-	-
PSF 500	2,17	90,4	3XL	C
PSF 800	2,73	113,8	3XL	C
PSF 1000	3,16	131,7	4XL	C
PSF 1500	3,81	158,8	4XL	C
PSF 2000	4,48	186,7	4XL	C
PSF 3000	5,66	235,8	-	-
PSF 4000	6,67	277,9	-	-
PSF 5000	7,49	312,1	-	-
PSR 500	2,03	84,6	3XL	C
PSR 800	2,59	107,9	3XL	C
PSR 1000	3,02	125,8	4XL	C
PSR 1250	3,35	139,6	4XL	C
PSR 1500	3,67	152,9	4XL	C
PSR 2000	4,33	180,4	4XL	C
PSR 3000	5,52	230,0	-	-
PSR 4000	6,53	272,1	-	-
PSR 5000	7,35	306,3	-	-
PSRR 800	2,59	107,9	3XL	C
PSRR 1000	3,02	125,8	4XL	C
PSRR 1500	3,67	152,9	4XL	C
PSRR 2000	4,33	180,4	4XL	C
PSRR 3000	5,52	230,0	-	-
PSRR 4000	6,53	272,1	-	-
PSRR 5000	7,35	306,3	-	-

ACCESSORIES

Types	Article.no.	Designation
PSVS	946258	Connecting corrugated hose for PS connections
PSVS-SET	946259	Connecting corrugated hose set for PS connections (4 pcs.) 6/4“.
PSVS-SET 2“	946262	Corrugated connecting hose set for PS connections (4 pcs.) 2“.
IS-VS 1“	394030	Insulation fitting R1“
IS-VS 3/4“	394040	Insulation fitting R 3/4“
BF-Set PSF	296500	Flange set PSF/ D240 mm complete raw

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PSM

PSF

PSR

PSRR

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PZ

PZR

PZRR