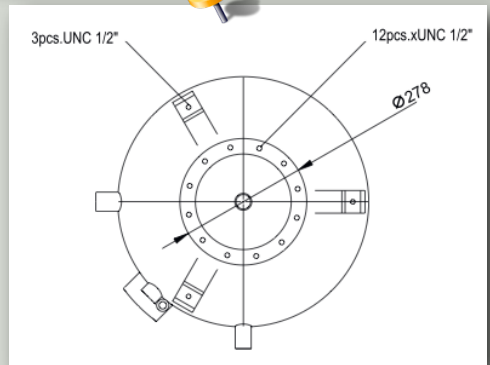
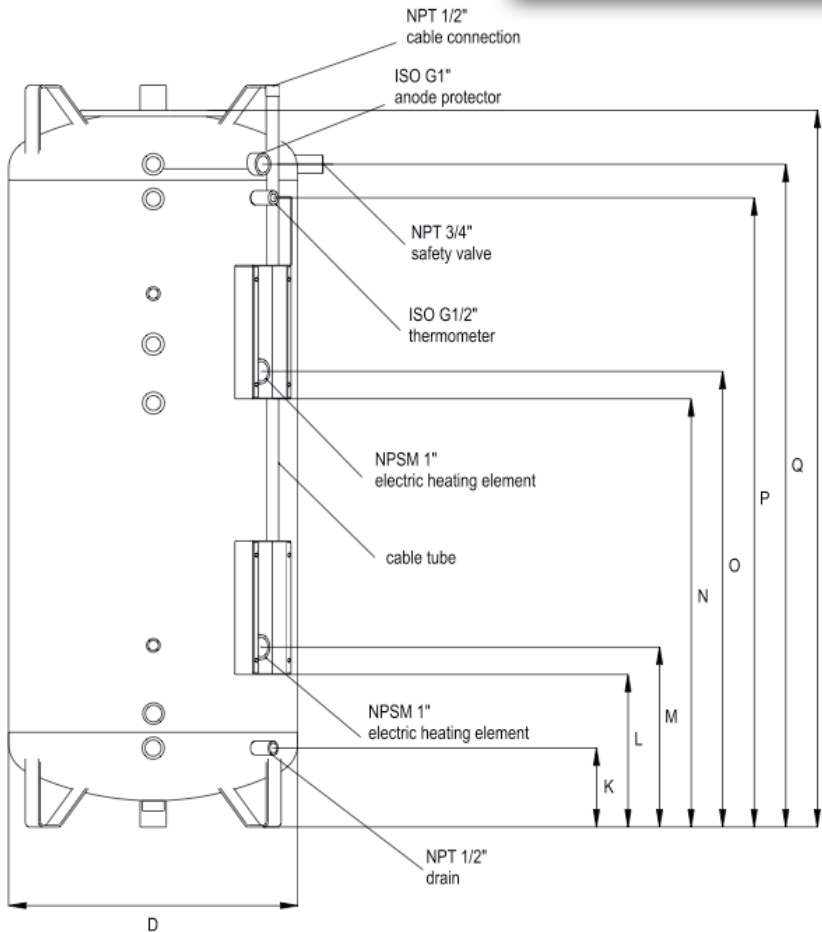
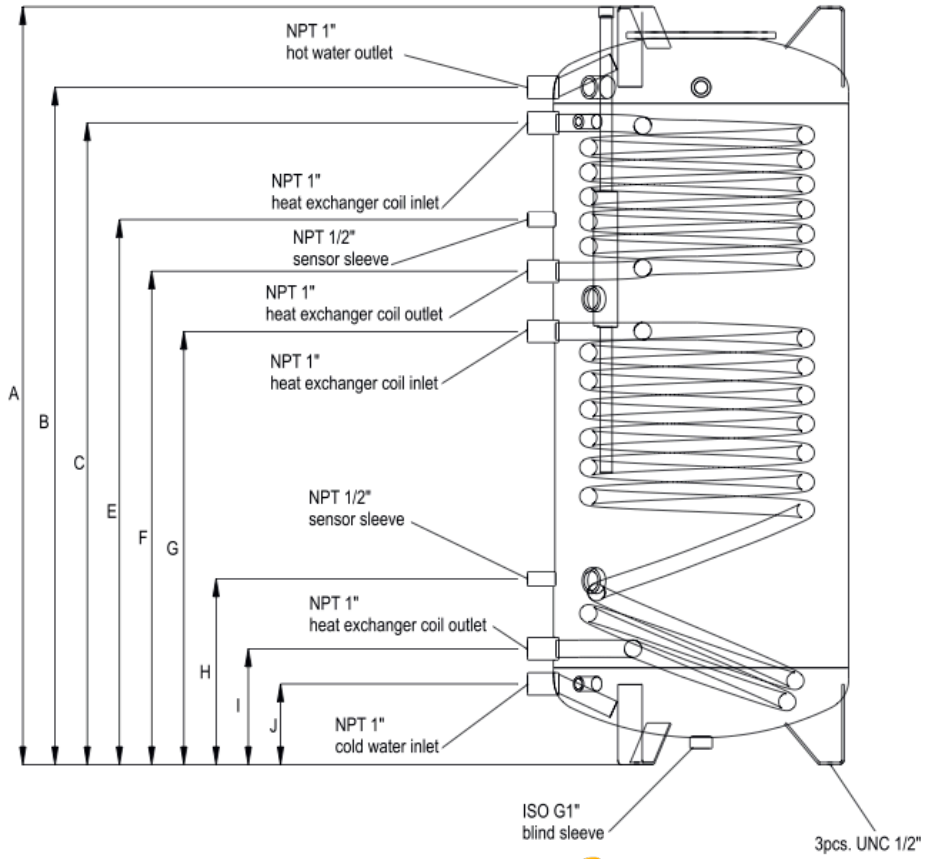
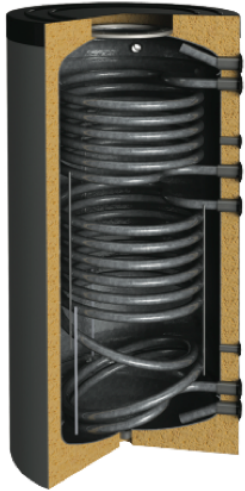


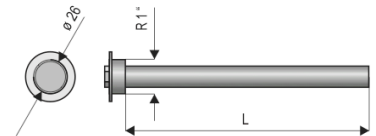


# SUNSYSTEM<sup>®</sup>

## SOLAR STORAGE TANKS S-SERIES



### Sacrificial anode rod (Anode protector)



Size L (mm)	Connection	Models
$\varnothing 26 \times 300$	1"	80 gal (300 liters)
$\varnothing 26 \times 300$	1"	120 gal (400 liters)



# SUNSYSTEM<sup>®</sup>

## SOLAR STORAGE TANKS S-SERIES

Model			US So 120 USA		US So 80 USA
Volume		gal	120	gal	80
Height		inch	61.0	inch	55.5
Min vertical clearance		inch	68.1	inch	62.2
Diameter		D, inch	ø 29.5	D, inch	ø 25.6
Operating pressure / max. temperature		bar/°F	10/203	bar/°F	10/203
Testing pressure of tank		bar	15	bar	15
Lower coil S1	Heat-exchanger surface	ft <sup>2</sup>	16.14	ft <sup>2</sup>	12.92
	Heat-exchanger volume	gal	2.44	gal	1.95
	Prolonged power according to DIN 4708; 80/45/10 °C	kW	62	kW	53
		m <sup>3</sup> /h	1.52	m <sup>3</sup> /h	1.30
	NL – power coefficient	at 140°F	55.4	at 140°F	11
	Pressure drop Δp	mbar	180	mbar	120
Upper coil S2	Heat-exchanger surface	ft <sup>2</sup>	10.76	ft <sup>2</sup>	9.69
	Heat-exchanger volume	gal	1.62	gal	1.46
	Prolonged power according to DIN 4708; 80/45/10 °C	kW	27	kW	21
		m <sup>3</sup> /h	0.66	m <sup>3</sup> /h	0.52
	NL – power coefficient	at 140°F	35.96	at 140°F	2
	Pressure drop Δp	mbar	80	mbar	70
Operating pressure / max. operating temperature of coils		bar/°F	16/230	bar/°F	16/230
Testing pressure of coils		bar	25	bar	25
Hot water outlet 1"		B, inch	55.2	B, inch	49.6
Upper coil inlet 1"		C, inch	48.6	C, inch	47.0
Sensor sleeve ½"		E, inch	45.4	E, inch	39.9
Upper coil outlet 1"		F, inch	38.5	F, inch	36.1
Lower coil inlet 1"		G, inch	32.8	G, inch	31.7
Sensor sleeve ½"		H, inch	16.0	H, inch	13.6
Lower coil outlet 1"		I, inch	40.0	I, inch	8.5
Cold water inlet		J, inch	5.9	J, inch	5.9
Drain ½"		K, inch	5.9	K, inch	5.9
Lower Electric heating element 1"		M, inch	16.4	M, inch	13.5
Upper Electric heating element 1"		O, inch	35.5	O, inch	34.1
Thermometer ½"		P, inch	49.5	P, inch	47.1
Safety valve ¾		Q, inch	55.2	Q, inch	49.6
Anode protector 1"		Q, inch	55.2	Q, inch	49.6
Weight		lbs	352.73	lbs	286.6