

1 Quick user guide for the PPS vessel

The pressure vessel is filled with liquid that will be used in case of a thermal runaway event for the RS Series batteries.

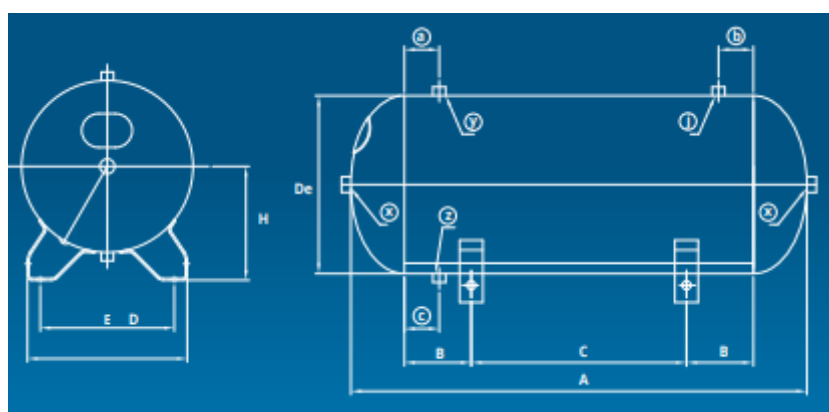


Pressure vessel for PPS.

1.1 Mounting

The pressure vessel must be mounted in the upright position like showed in the above figure.

The dimension are as following:



Capacity	Operating pressure	De	A	B	C	D	E	H	a	b	c	x	y	j	z	Weight
Lt	Bar	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	inch	inch	inch	inch	Kg
5	11	150	370	37,5	200	140	191	120	-	-	137,5	1/2"	-	-	1/4"	6,5
10	11	169	506	85	240	172	205	115	-	60	50	1/2"	-	3/8"	3/8"	8
15	11	196	522	85	240	172	205	135	-	60	50	1/2"	-	3/8"	3/8"	9
24	11	240	592	95	260	180	235	165	-	60	50	1/2"	-	3/8"	3/8"	10
50	11	305	784	90	400	236	285	203	60	60	60	1/2"	1/2"	1/2"	3/8"	19
24	16	240	592	95	260	180	235	165	-	60	50	1/2"	-	3/8"	3/8"	13
50	15	305	784	90	400	236	285	203	60	60	60	1/2"	1/2"	1/2"	3/8"	23
Lt	Bar	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	inch	inch	inch	inch	Kg
10	11	169	506	85	240	172	205	115	-	60	50	1"	-	3/8"	1/4"	8
15	11	196	522	85	240	172	205	135	-	60	50	1"	-	3/8"	3/8"	9
24	11	240	592	95	260	180	235	165	-	60	50	1"	-	3/8"	3/8"	10
50	11	305	784	90	400	236	285	203	60	60	60	1"	1/2"	3/8"	3/8"	19

1.2 Preparing the vessel

The vessel has 12 litres of liquid and needs to be pressurized with air. The pressure in the vessel must be set to 2.5 Bar.

(mixture 60% Antifreeze BS6580 / 40% water)

1. Connect the bottom connection of the vessel to the PPS inlet connection of the battery



**PPS inlet to connect the
pressure vessel to**

2. Now open the valve



3. Connect the compressor hose to the Schrader valve next to the pressure gauge.



4. Fill up the tank with pressurized air until the pressure gauge will reach the set point of **2.5 Bar**



Check the pressure gauge.

5. When the vessel is pressurized, remove the air compressor hose from the Schrader valve
6. The system is now prepared for use.

2 Disconnect of the PPS system:

In case the PPS system has to be dismantled please follow the steps below:

1. Close the valve at the bottom side of the vessel



2. Disconnected the hose at the back of the battery module.
Beware there is still pressure in the hose that will escape, also it is possible that some fluid will leak from the hose.

