



Smart Reservoir

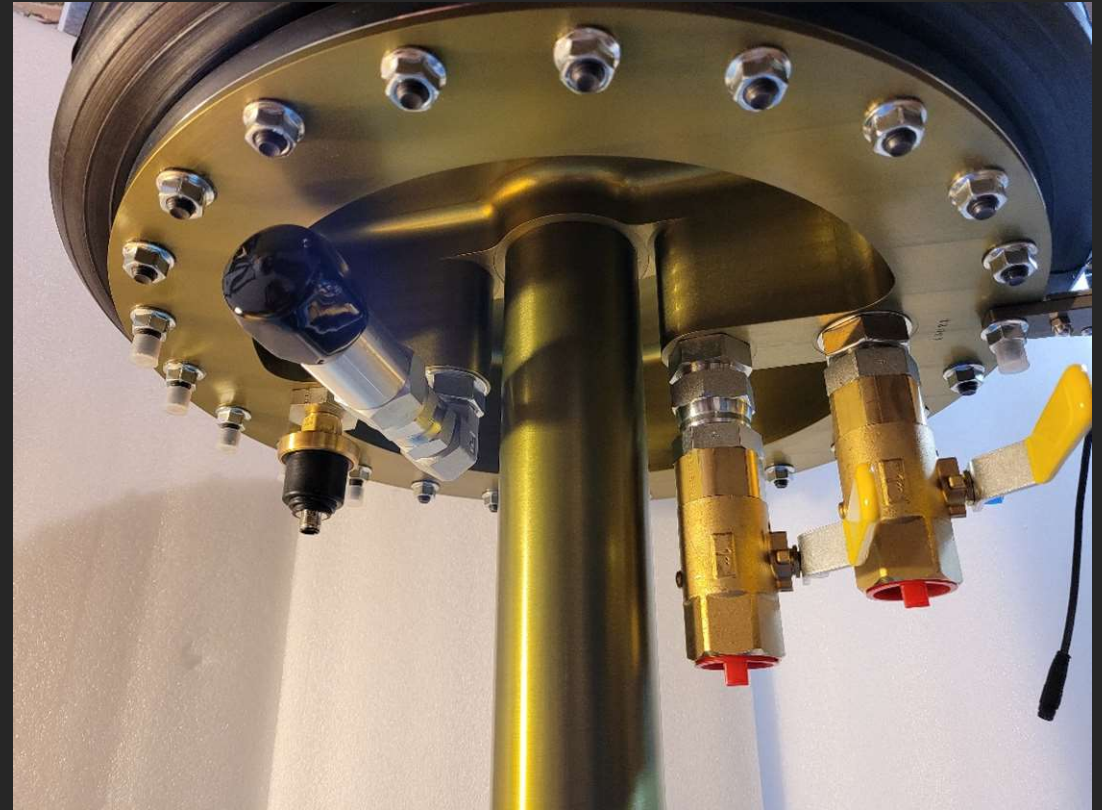
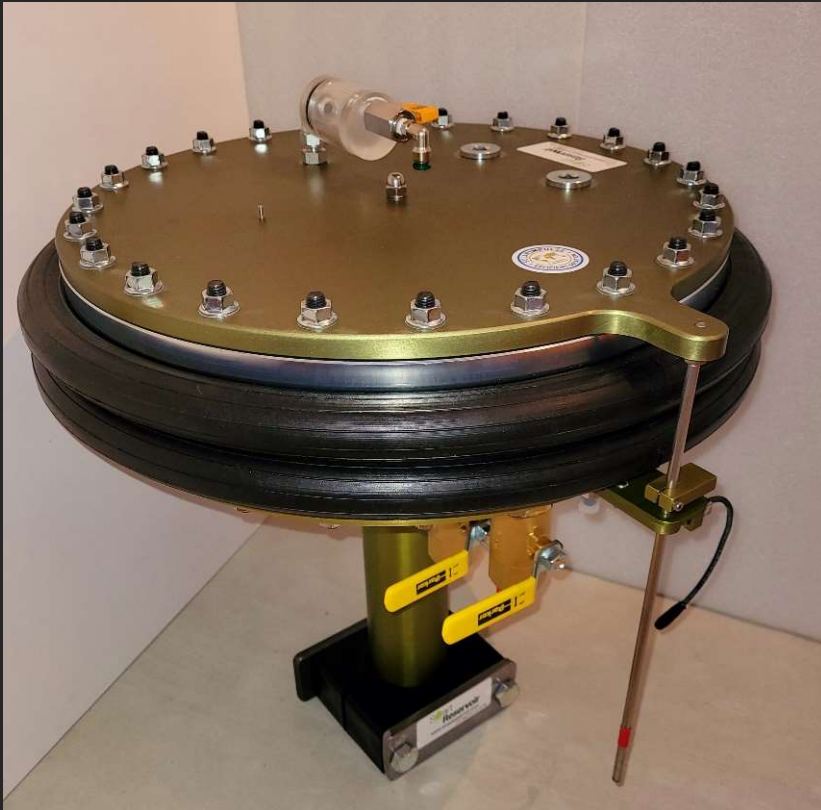
Variable Volume Reservoir

VVR1300

Smart Reservoir inc.
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www.variablevolumereservoir.com

VVR1300-BV-LSM8-LS1M12-AC-R



Features;

- Dual isolation ball valve (SAE-16)
- 2 x SAE-12 auxiliary ports on top cover
- Air bleed valve & sight glass assembly
- Low level switch (system shut down) M8 x 2m cable
- Adjustable low level detection switch (20-25% level) with M12 x 2m cable
- Overboard protection relief valve (10 PSI)
- Mounting clamp
- Extended bolts for customer mounting bracket

Option;

- 2 x 250 w/120Vac heater pads for operating temperature below -20°C / -4°F

VVR1300

Sealed variable volume hydraulic reservoir

General specifications

Volume	21L	1300 in ³
Fill volume	7,75L	473 in ³
Pressure when full: spring #1	0,45 bar	6.5 PSI
Pressure when full: spring #2	* bar	* PSI
Operating temperature	-20°C +107°C	-4°F + 225°F
Connecting ports	2 x SAE-16 ball valves + 2 x SAE-12 ports	
Air bleed valve	Yes	
Instrumentation	Low level reed switch (<i>shut down</i>)	
Instrumentation	Adjustable pressure switch (<i>low level alarm</i>)	
System Fill dry disconnect coupler	No	
Over pressure relief valve	Yes (<i>set at 10 PSI / 0,7bar</i>)	
Mounting	1x adjustable clamp + 5 extended studs for client's bracket	
Materials	Anodized aluminum & SS	
Overall dimensions	See 3D <i>dwg's</i> (available upon request)	
Weight empty	44,5 kg	98 lb

* Consult Smart Reservoir



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VARIABLE VOLUME RESERVOIR (VVR) is proud to be labeled as a Solar Impulse Efficient Solution