



# Smart Reservoir

**Variable Volume Reservoir**

**VVR400**

**Smart Reservoir inc.**

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[www.variablevolumereservoir.com](http://www.variablevolumereservoir.com)

# VVR400-BV-LSM8-AC



## Standard unit;

- Isolation ball valve (SAE-16)
- Air bleed valve & sight glass assembly
- Low level detection switch (5% level) with M8 x 2m cable
- SAE-16 auxiliary port on bottom housing
- SAE-12 auxiliary port on top cover
- 2 adjustable mounting clamps

## Options;

- Adjustable low level switch (20-25% level) with M12 x 2m cable
- Overboard relief valve (set at 10 PSI)
- 125W /120Vac heater pad for operating temperature below -20°C / 4°F



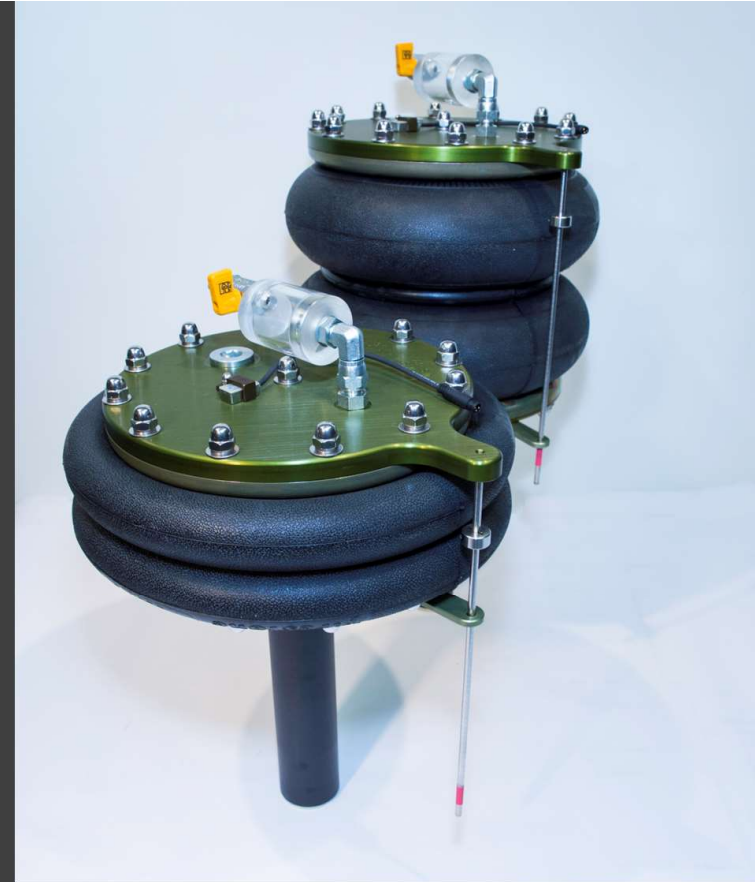
# VVR400

## Sealed variable volume hydraulic reservoir

### General specifications

Volume	6,6L	400 in <sup>3</sup>
Fill volume	1,2L	73 in <sup>3</sup>
Pressure when full: spring #1	0,52 bar	7.5 PSI
Pressure when full: spring #2	* bar	* PSI
Pressure when full: spring #3	* bar	* PSI
Operating temperature	-20°C +107°C	-4°F + 225°F
Connecting ports	2 x SAE-16 + 1 x SAE-12	
Air bleed valve	Yes	
Instrumentation std.	Low level reed switch	
Instrumentation optional	Adjustable pressure switch (low level)	
System Fill dry disconnect coupler	No	
Over pressure relief valve	Optional	
Mounting	2 x adjustable clamps	
Materials	Anodized aluminum & SS	
Overall dimensions	See 3D dwg's (available upon request)	
Weight empty	11 kg	24 lb

\* Consult Smart Reservoir



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