

Liquid Receiver Fact Sheet

Temprite adds to its line of oil management products with new Liquid Receivers for small- to large-refrigerant systems. A Liquid Receiver is a storage tank for holding liquid refrigerant and is located after the condenser in a refrigeration system. A Liquid Receiver is an important part of any system because it ensures liquid refrigerant is entering the expansion device. Each Receiver has Inlet and Outlet connections and a threaded port for installation of an over-pressure safety relief device.

Temprite Liquid Receivers accommodate all refrigerants: carbon dioxide (CO₂), ammonia (NH₃), hydrocarbons (HCs), including ethane, isobutane, and propane.

The smallest unit, Model VR6-12, has a bottom mounting stud. Fixed mounting feet are installed on Models VR8-16 through VR18-60. (See graphics below.) A horizontal receiver (Model HR10-36) is also available. All receivers are welded and have all-steel components.

Custom Liquid Receivers and options such as sight glasses and sensors are available for all models.

Maximum Working Pressure: 44.8 bar (650 PSI) VR6-12; All other sizes: 41.4 bar (600 PSI)				
Model	Pump Down Capacity			
	R22	R410A	R134A	R404A
VR6-12	4.9 kg 10.8 lb	4.3 kg 9.5 lb	5.0 kg 11.0 lb	4.3 kg 9.4 lb
VR8-16	11.7 kg 25.9 lb.	10.4 kg 22.8 lb	11.9 kg 26.3 lb	10.3 kg 22.6 lb
VR10-20	23.7 kg 52.3 lb	20.9 kg 46.1 lb	24.0 kg 53.0 lb	20.6 kg 45.5 lb
VR12-24	41.2 kg 90.8 lb	36.3 kg 80.0 lb	41.8 kg 92.2 lb	35.9 kg 79.1 lb
VR14-36	75.3 kg 166.1 lb	66.4 kg 146.4 lb	76.5 kg 168.6 lb	65.6 kg 144.6 lb
VR16-48	141.1 kg 311.0 lb	124.3 kg 274.1 lb	143.2 kg 315.6 lb	122.8 kg 270.7 lb
VR18-60	217.2 kg 478.8 lb	191.4 kg 421.9 lb	220.4 kg 485.8 lb	189.1 kg 416.8 lb

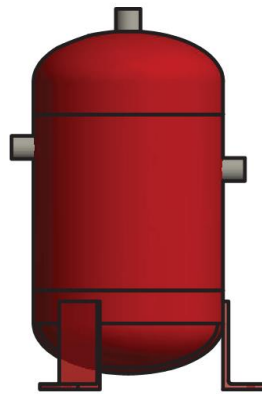
All pump down capacities are calculated using 90% of receiver volume at 90° F.

Liquid Receiver with Mounting Stud



MODEL VR6-12

Liquid Receiver with Mounting Legs



MODELS VR8-16 – VR12-24

Large-Size Liquid Receivers



MODELS VR14-36 – VR18-60

For translations of this fact sheet, go to our website or scan the QR code.

