PRODUCT MANUAL

Vertical Liquid Receiver

Model: 0.5 – 14 HP



CATEGORY
Receivers, Separators & Accumulators

MODEL
0.5 – 14 HP

ISSUE DATE
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1. Product Overview

The vertical liquid receiver stores liquid refrigerant and absorbs the change in charge that occurs as load and ambient conditions vary. It is the standard arrangement where there is height available: the vessel stands upright, liquid leaves from the bottom connection and the level can be seen through the optional sight glass.

Nine sizes run from 0.5 HP to 14 HP, with volumes from 1 L to 14 L. Inlet and outlet are 3/8 inch up to 3 HP, 1/2 inch from 5 to 10 HP and 5/8 inch from 12 to 14 HP, matching the line sizes used on the corresponding condensing units. Body dimensions run from 177 x 97 mm to 380 x 219 mm and the matching cut-off valves are V01, V06 and V09 according to connection size.

The body is steel with a corrosion resistant epoxy powder coating and a maximum working pressure of 35 bar. The inlet and outlet positions can be customised, so the receiver can be ordered to suit a specific pipe layout rather than forcing the pipework to adapt.

Volume is nominal, so selection is based on the system charge plus the difference in charge between summer and winter operation - typically the charge that has to be stored when the condenser is cold and the system is shut down. A receiver that is too small will leave the condenser flooded and raise the discharge pressure; one that is too large simply holds more charge.

Install vertically and level, with the outlet at the bottom and the sight glass where the level can be read during operation. Fit the cut-off valve so the receiver can be isolated for service.

2. Key Features

- Steel structure with corrosion resistant epoxy powder coating
- Inlet and outlet interface can be customized to customer requirements
- Cut-off valve installation angle is not limited, sight glass optional
- Horizontal version available for installations with height limits

3. Technical Specifications

Item	Specification
Model range	0.5HP – 14HP (9 sizes)
Volume	1 L – 14 L
Inlet / outlet	3/8" (0.5–3HP), 1/2" (5–10HP), 5/8" (12–14HP)
Dimensions A × B	177×97 mm – 380×219 mm
Valve	V01 / V06 / V09
Max. working pressure	35 bar (horizontal type)

4. Commercial Terms

MINIMUM ORDER **Negotiable**	LEAD TIME **Negotiable**
SHIPPING PORT **Shanghai / Ningbo, China**	PLACE OF ORIGIN **China**
PAYMENT TERMS **T/T, L/C**	SUPPLY ABILITY **Negotiable**

5. Product Gallery







Contact us for a free quotation

Our engineering team replies within 24 hours with selection advice and an FOB / CIF quotation.



E-MAIL	hope@quitecoolhvacr.com
PHONE / WHATSAPP	+86 15258555916
WEBSITE	www.quitecoolhvacr.com
ADDRESS	NO.231,Jiaozhen Village, Ganlin Town Shengzhou City,Zhejiang Province,China