



Maximum Allowable Working Pressure :

Rated at a Pressure of 250 PSI @ -20F to +45F.

Minimum Design Metal Temperature :

Between -20 DegF

Building Standards :

Vessels are designed, fabricated, tested, inspected, and stamped in accordance with ASME Code Section VIII, Division I, Connections is in compliance with ANSI B 9.1 and B 31.5.

Heads :

As per ASME Code 2:1 elliptical SA 516-70 carbon steel (normalized).

Shell :

Shells 24" in diameter and smaller are SA 106 Gr. S/B, SA 53 Gr. S/B or SA 53 Gr. E/B pipe Shells larger than 24" in diameter are 516-70 carbon steel plate.

Connections :

ASTM A-53 Grade B and ASTM 1-106 Grade B. ASTM 333 Grade 6 available.

Test Pressure :

Hydrostatically tested at 1.5 times design pressure. ASME code requires 1.3 times design pressure.

Standard Receiver :

Furnished with connections as given below. Pressure vessels have nameplate, lifting lugs and 120 Degree saddle plates welded to the shell.

Service Valve Package :

Isolation valves for the inlet and outlet connections, equalizer Connection drains connection, purge connection, and gage connections. Valves 2-1/2" and smaller are socket weld connections, 3" and larger are butt weld connections. Package also includes a liquid level column with Level Indicator.

Other Optional Accessories

- Safety relief valve assemblies
- 4-20mA Level Probe
- FSP Float Switch

Design Function :

Receivers function as a reservoir for liquid refrigerant. They should be sized to Accommodate the entire refrigerant in the system, with 20% volume available for Vapor at the highest liquid level. A reserve of liquid refrigerant should always prevail in the receiver during operation.

Starcore Refrigeration Ltd. Offers :

Horizontal ammonia receivers in standard sizes with internal volume from 9.0 to 1167.8 cubic feet and storage capacities from 264 to 34,217 lbs. of +100F liquid ammonia refrigerant based on 80% of internal volume.



Starcore Refrigeration Ltd.

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