

Feel the Power of the Non Condensable Gas Eradicator

Evaporative Condenser



Compressor



Liquid Receiver

Air Purge model "AP-F01" is employed to remove the non-condensable gas (air) from the R717 (ammonia). Here refrigeration plant is capable of having a system capacity up to 500 tons (1,750 kW) at suction pressure below atmospheric pressure and 100 tons (3500 kW) at suction pressure above atmospheric pressure. It is also used for R22 and other halocarbon. Hence, the eradication of the non-condensable gas indeed improves the system performance and saves the energy consumption.

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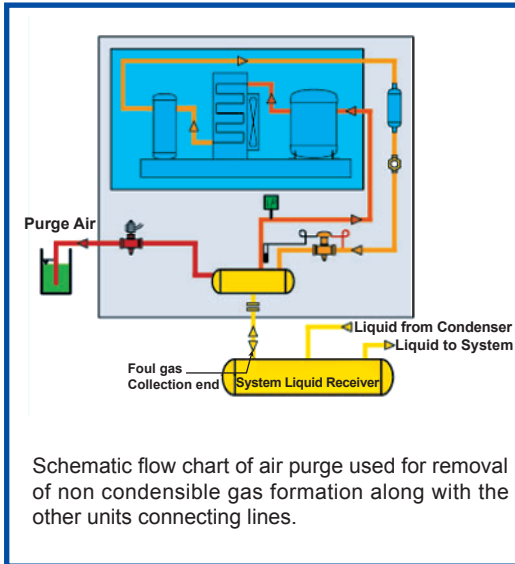
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Automatic Air Purge By itc



AP-F01

What will happen if non-condensable gas enters the refrigeration system?

The presence of the non-condensable gas can cause the entire refrigeration system to damage from the rise of energy consumption and the system's efficiency decay. The accumulation of very high pressure non-condensable gas will lead to an increased uptake of temperature which will apparently destroy the compressor. If it is left precariously, it will have high condensing temperature, high pressure and high energy consumption. Eventually, it possibly results in system failure.

Installation:

Services and installation is very convenient and accessible by providing it with only one connection point to the mixing tank containing pure water and one purge point to high pressure side.

TECHNICAL DATA

Dimensions	
Width	410 mm
Length	700 mm
Height	600 mm
Weight	Approx. 50 kg
Connection Power	
500 W (Compressor 462 W, Fan 9 W, Solenoid Coil 10 W)	
Nominal Current	
: Compressor	2.1 A
: Fan	0.26 A
Frequency	
50 Hz	
Maximum Operating Pressure	
21 bar	
Maximum Ambient Temperature	
+45 °C	
Foul Gas Connection	
Steel Egg Flange for pipe	1-1/4"

- Note :**
- 1) Other capacity and dimension are available. Please contact manufacturer.
 - 2) Specifications subject to change without notice.