

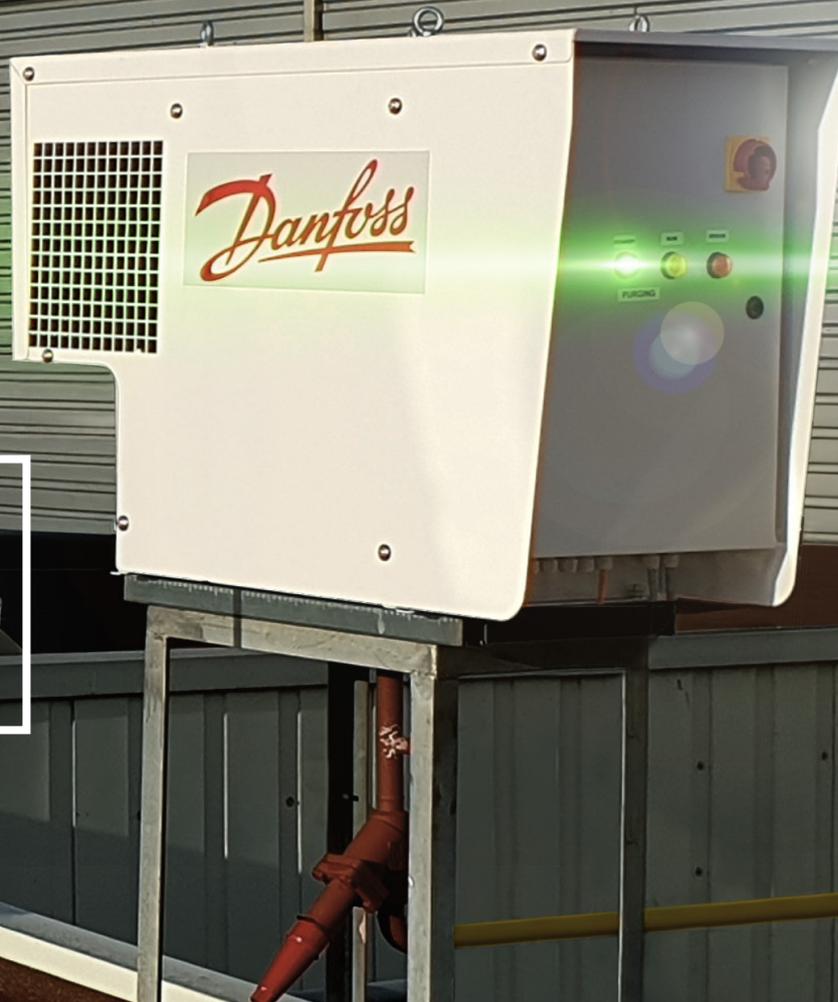
Danfoss Industrial Refrigeration | Intelligent Purger System

See air purging in a new light **Straightforward** installation and continuous **efficiency** and safety

The Danfoss Intelligent Air Purger, IPS 8 for Industrial Refrigeration ammonia plants includes the natural environmentally friendly green refrigerant, Propane (R290).

With less than 150 gram R290 refrigerant charge and a very low GWP it continues to demonstrate a very high efficiency.

With its compact design, easy installation and automatic purging functionality, the new Danfoss IPS helps improve the operational safety, efficiency and cost-effectiveness of industrial refrigeration systems.



Approximately

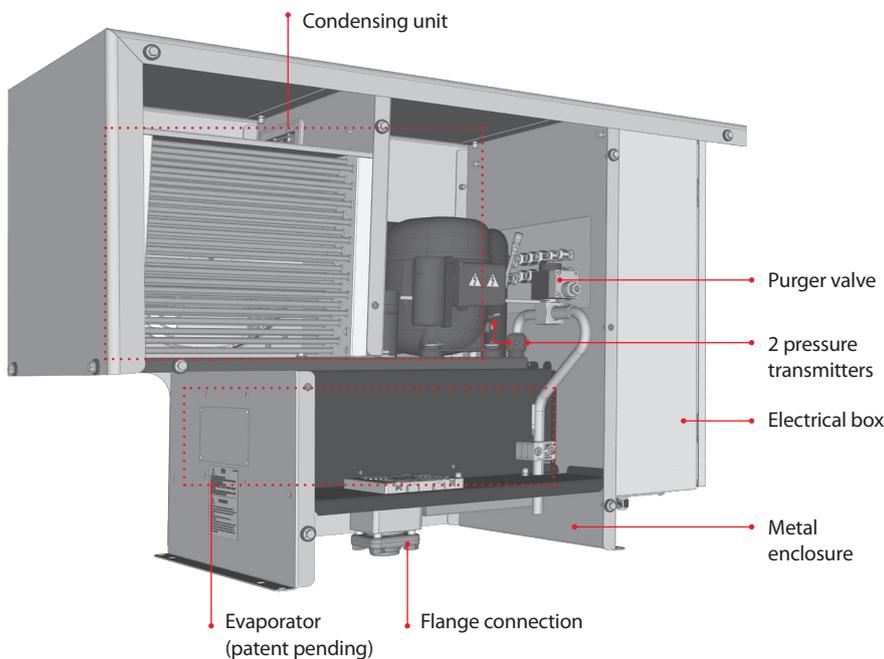
€237K
(\$250K)

savings on electricity
costs during lifetime

Advanced air purger solution for industrial refrigeration

The new Danfoss Intelligent Purger System (IPS) is an automatic, self-contained operating unit that helps remove non-condensable gases in a safe and energy-efficient way. This helps maintain an optimum refrigeration capacity and system efficiency, allowing professionals to achieve maximum system performance.

Zoom in on the Danfoss IPS 8



Technical data

Supply voltage	230 V AC, 50 Hz / 230 V AC, 60 Hz / 115V AC, 60Hz
Current	3.7 A
Power consumption	1.3 kW
Ambient temp, operation	-10°C to +43°C (14°F to 109°F)
Ambient temp, transport	-30°C to 55°C (-22°F to 131°F)
Enclosure	IP55
Weight	90 kg (199 lbs)
Dimensions (LxWxH)	1051 x 441 x 703 mm (41.4 x 17.4 x 27.7 inches)
Purger refrigerant	R290 below 150 gram (5.3 oz)
System refrigerant	R717 minimum 6 bar (87 psi)
Max operating pressure (R717)	40 bar (580 psi)
Operating temperature (R717)	-40°C to +60°C (-40°F to +140°F)

Benefits of the Danfoss IPS 8



Easy installation and maintenance

- Cost-effective design with few mechanical and electrical connection interfaces
- Minimizes the risk of leakage thanks to the fully brazed internal cooling system
- Plug and play, stand-alone unit eases installation and commissioning – low risk of potential error
- No need for any advanced settings
- Easy to handle with its compact design
- Fast and easy pump down before service



Maximize system performance

- Automatic purging response to non-condensable gases in the refrigeration system
- Constant high pressure differential between refrigerant and purger refrigerant independent of system suction or condensing pressure
- Reduction of plant power consumption
- 8 point purger functionality



Improve operational safety

- Advanced Bubbler support functions included
- LLS 4000 support increase system protection level
- Electronic purging helps reduce the risk of refrigerant release to the environment
- Self-contained operating unit functions independently from the main plant
- Easy monitoring of past purging cycles data with operation log
- Self-diagnostics for unit and system operation to shut down in case of malfunction of air purger components

Visit [IPS.danfoss.com](https://ips.danfoss.com) to discover more about the new Danfoss IPS