

## AWE-INSPIRING NETWORK UL: FILTER DRIERS AND SOLENOID VALVES

All pressure devices or systems sold in the USA need to be approved.

Compliance with national safety standards is demonstrated by a conformity mark issued by a qualified and recognized test laboratory: UL (Underwriters Laboratories).

Castel, one of the world most known and reliable manufacturers of components for refrigeration and HVAC systems, offers a wide range of UL approved products.

Thanks to this homologation customer confidence in Castel products is increased. Indeed, the UL mark is one of the most recognized symbols for customers, becoming synonymous with the guarantee of safety and quality of the products.

Castel UL approved components are your best choice to develop your sales in USA and beyond.

### **Filter driers with replaceable solid core, SF series.**

Filters in SF series have been approved by the American certification authority Underwriters Laboratories. Maximum working pressure is 600 psi according to UL approval and working temperatures range is  $-40^{\circ}\text{C}$  to  $+80^{\circ}\text{C}$ . Body diameters are 121mm and the overall dimensions are suitable for all applications.

SF filters have been developed by Castel for all those commercial and industrial refrigeration systems and civil and industrial air conditioning plants that use the most common fluids.

This range of filter driers can be installed in the liquid line as dehydrating filters.

They use two different kind of cartridges: 100% molecular sieves or 80% molecular sieves and 20% activated alumina. View the 2020 Castel Product catalogue to find your best cartridge choice. SF series are available in four sizes to accept one to four cartridges.

A mechanical filter version is also available, to be used in the suction line.

Good filtering of the refrigerant on the low-pressure side of the system protects the compressor against the impurities. System cleanliness is ensured by micro filtering cores characterized by

a large filter surface.

These consist of metal mesh fabric with a controlled porosity filter sieve insert, which can retain solid particles down to 20 microns.

### **Solenoid valves**

A wide selection of Castel solenoid valves has been approved by the American Certification Authority Underwriters Laboratories Inc. with file MH5005, in compliance with American standard UL 429.

Castel solenoid valves can be used in industrial applications, for air and other fluids present in refrigeration and air conditioning systems, for fluorinated and natural refrigerants.

Solenoid valves are available in a wide range of options - working pressures/temperatures, connections, coupled to various types of coils, with different power levels and all the most common voltages. A large Castel selection of UL approved coils are available with many connections types (standard connector, junction box NEMA2 or conduit hub NEMA4) making them easily adaptable to different applications or needs.

Take a look to 2020 Castel Product catalogue to find your best choice.

Normally closed solenoid valves for industrial refrigeration are available in different versions: direct acting or diaphragm/piston actuator operating principle. They can be installed on the three main branches of the system (liquid line, suction line and hot gas line). All normally closed solenoid valves are available in the version without coil (with suffix S) for maximum flexibility.

The offer of UL approved products is very wide. Contact Castel or download the 2020 General Catalogue from our web site: [www.castel.it](http://www.castel.it) to find the most suitable products for your applications.

