

FC FILTER DRYERS WITH DE-HYDRATION ASSEMBLIES

ABOUT US

Since 1990, Haldatec has been providing products and services to the Oil, Gas and related industries in Australia, Pakistan, Singapore, Papua New Guinea, India and New Zealand.

ENPRO

Our house product label, EnPro, has been developed to complement our core business and has been driven by customer needs. Our comprehensive range includes innovative designs, adaptations and applications introduced to solve problems for our customers.

STANDARDS

To ensure we provide the best possible support for our customers and suppliers, we have certification to ISO9001:2015.

The EnPro FC range of Filter Dryers are used in pipelines and systems where it is required to filter and remove moisture and aerosols from gas that is to be used on actuators, instruments and similar equipment.

The FC features a spin on replaceable cartridge and a large free liquid fallout volume.

The standard cartridge has an initial hydrophobic element, second stage consists of a media and finally a 4 micron filter. A combination silica gel and activated carbon desiccant is available as standard with an alternative media available for H₂S/Hg applications.

A mounting bracket is provided for mounting to a 2" pipestand.

SPECIFICATIONS FOR FC3.0/1.6 FILTERS

Connections	1/4" NPT (std)
Body material	Carbon steel
Element	<ul style="list-style-type: none">▪ Silica Gel & Activated Charcoal – std. FC3.0;▪ Activated Charcoal – std. FC1.6
Flow rate	Dependent on connection sizes and configuration: 1/4" Cg = 200, for 1/2" Cg = 280.
Maximum temperature	100°C
Maximum operating pressure	(Worksafe – VIC Registered Plant Design) 15.8 MPa / 2,250 psi
Design code	AS1210-2010 – Class 3
Coating	2 pack epoxy
Filtration	4 microns
Filter element collapsing pressure	100 kPa
Max flowing pressure drop	50 kPa

OPTIONS

- 1/2", 3/4" and 1" NPT Ports
- Flanged ports
- Stainless Steel body and cap.
- Auto drain
- Coalescing cartridge for removing free liquids (35 micron filtration)

DEHYDRATION ASSEMBLY

FC filter/dryers are ideally suited for combining in a dehydration assembly.

When used in a dehydration assembly two filters are mounted together, as shown in the diagram below.

Should the active filter become blocked, the secondary filter will then automatically take over the supply function without interruption.

