

## COMPRESSED AIR FILTER REGULATOR / COALESCING / DESICCANT SERIES (FR-CF-DF Series)

### DESCRIPTION

The FR-CF-DF Series of stand alone filter housings consists of a single stage 5 micron Pre-Filter regulator water separator (FR), a single stage 0.01 micron coalescing filter (CF) and a single stage 0.01 desiccant filter (DF). These standalone single stage units can function independently, and provide cost effective and reliable filter solutions across a range of industries.

Designed with point of use application in mind, the strength of this series is its ability to combine single stage units into cost effective combo kits. The two stage CFDF10 filter combo combines the 0.01 micron coalescing filter to remove dust and oil particles along with the desiccant filter to remove condensate vapour to provide clean, dry air.

The FRCFDF combo builds on this idea further. As a three stage kit, it includes a filter regulator/water separator, coalescing filter and desiccant filter at regulated pressure. In combination they remove moisture, oil and particulate and create clean, dry air. In either combo kits or single stage units, the FR-CF-DF series offers a cost effective and compact dry air solution.

### APPLICATIONS

- General industrial
- Automotive
- Electronics
- Food & Beverage
- Chemical
- Petrochemical
- Plastics
- Spray Painting
- Medical, Dental, Instrument Air
- Breathing Air (With Activated Carbon)



### FEATURES

The FR-CF-DF Series are made of zero-porosity aluminium housing, with an epoxy powder-coat finish and corrosion-resistant internal coating, providing a long service life. The coalescing filter housing is equipped with a differential pressure indicator which makes it easy to see when the filter element needs changing.

# COMPRESSED AIR FR-CF-DF SERIES



**FR - 1 Stage Unit 3/8" Pre Filter Regulator Water Separator** 5 Micron

- Clear bowl with metal shroud provides impact protection and easy visual monitoring of filter condition.
- Quick release bowl for easy maintenance.



**CF - 1 Stage Unit 3/8" Coalescing Filter** 0.01 Micron

- The red service indicator will rise when the filter element needs to be changed.
- Coalescing 0.01 micron filter will remove 99.9% of the oil vapour content



**DF - 1 Stage Unit 3/8" - 1" Desiccant Filter** 0.01 Micron

- Desiccant beads change colour from blue to pink when they need to be changed or reactivated.
- Includes final filter to ensure no desiccant dust enters the airline.

## TECHNICAL SPECIFICATION

Product Code	FR10	CF10	DF10	DF15	DF20	DF25
Medium	Compressed Air					
Thread Size	3/8"			1/2"	3/4"	1"
Filter Type	Pre Filter	Coalescer	Adsorber	Adsorber	Adsorber	Adsorber
Filter Elements	5 Micron	0.01 Micron	0.01 Micron	0.01 Micron	0.01 Micron	0.01 Micron
Operating Temperature	5 - 60 °C		1.5 - 60 °C			
Operating Pressure	0 - 10 bar (0 - 150 psi)		0 - 15.5 bar (0 - 225 psi)			
Participle Retention Rate ISO(3)	99.98 %					
Differential Pressure	< 50 bar					
Max. Inlet Oil Content	Class 1 (ISO 8573 - 1)					
Max. Flow	300 L/min or 10.5 cfm			Up to 25 cfm		
Draining Capacity	80 ml					
Flow Direction	Inside to Out					
Dew Point	N/A	N/A	-40	-40	-40	-40

# COMPRESSED AIR FR-CF-DF SERIES



**2 Stage CFDF10 3/8"** Coalescing Filter, Desiccant Filter Combo Kit



**3 Stage FRCFDF10 3/8"** Filter Regulator, Coalescing & Desiccant Filter Combo Kit

## TECHNICAL SPECIFICATION

Product Code	CFDF10	FRCFDF10
Medium	Compressed Air	
Thread Size	3/8"	
Filter Type	Coalescer / Adsorber	Pre Filter / Coalescer / Adsorber
Filter Elements	0.01 / 0.01 Micron	5 / 0.01 / 0.01 Micron
Operating Temperature	0.5 - 60 °C	
Operating Pressure	0 - 10 bar (0 - 150 psi)	
Particulate Retention Rate ISO(3)	99.98 %	
Differential Pressure	< 50 bar	
Max. Inlet Oil Content	Class 1 (ISO 8573 - 1)	
Max. Flow	300 L/min or 10.5 cfm	
Draining Capacity	80 ml	
Flow Direction	Inside to Out	
Dew Point	-40	