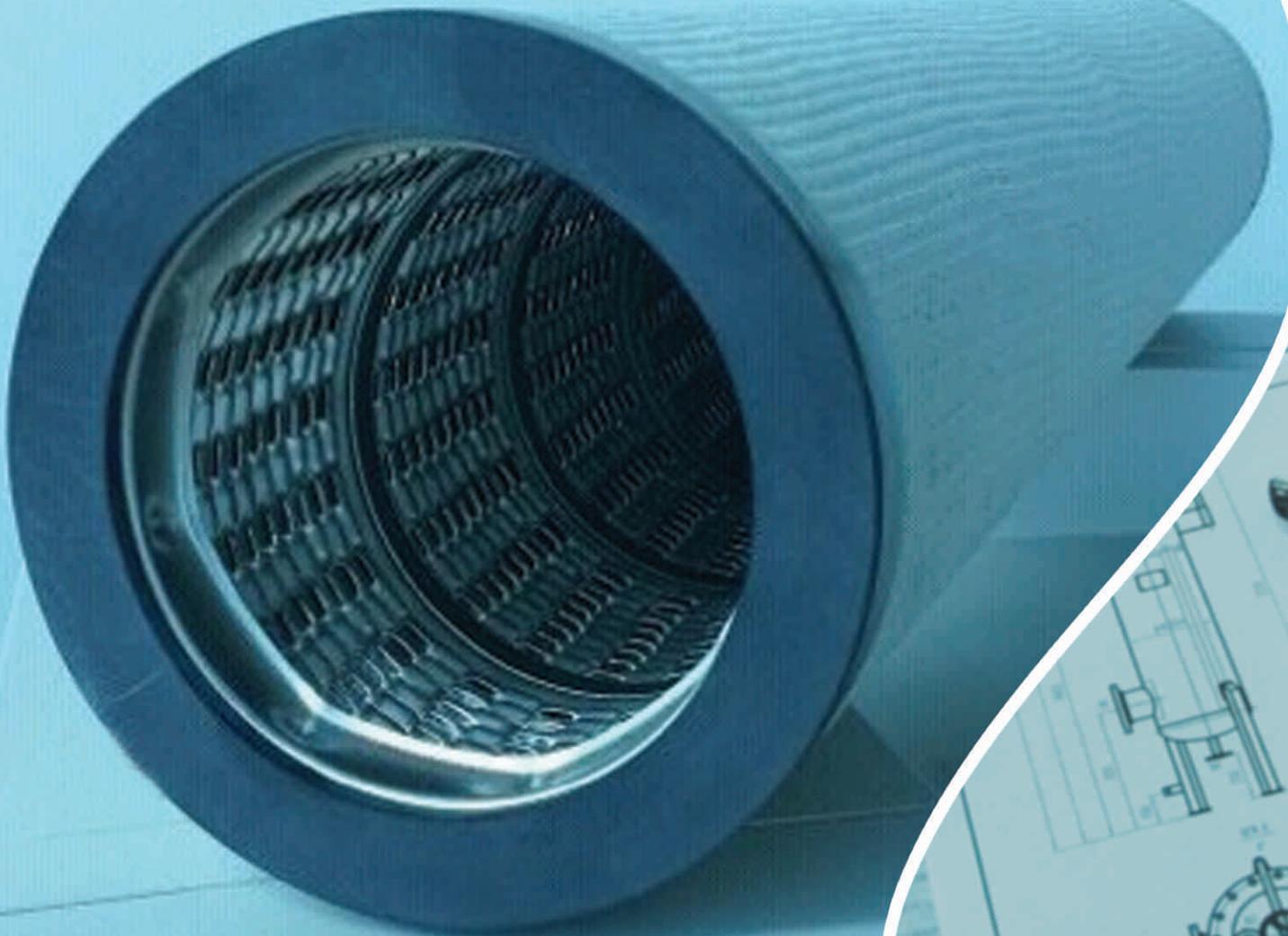


# Gas Coalescing Elements

*FILTRATION  
SEPARATION  
SOLUTIONS*



**FEATURE**





# C1.0 SERIES ABSOLUTE RATED VAPOR PHASE ELEMENTS

Feature-tec absolute rated C1.0 series Coalescer elements have the following characteristics:

1. Beta ratios in excess of 99.9%.
2. Large dirt holding capacity.
3. Robust construction. Can withstand over 15 PSI differential pressure.
4. High quality components.

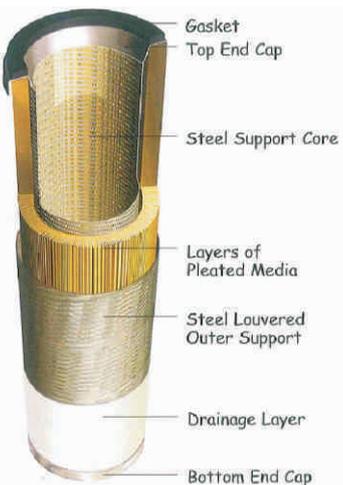


## Application

The Feature-tec C1.0 series element is designed to coalesce extremely fine liquid particles from natural gas, primarily lubricating oil downstream of a compressor. The flow pattern through the element is from the inside to the outside. The C1.0 series is designed to take the place of the C1.5 series, and it is more efficient to filter the solid particles and liquid mists. The additional surface area also can reduce extra differential pressure which caused by high flow rate. This additional surface area also reduces the differential pressure when flowrate is high.

## Specifications

Length.....	18 / 36 / 72 Inches
Outside Diameter.....	4.5 inches
Inside Diameter.....	3.13 inches
Center Core.....	carbon steel(stand)/stainless(available)
Outer Core.....	carbon steel(stand)/stainless(available)
End Caps.....	carbon steel(stand)/stainless(available)
Gaskets.....	Buna-N
Gasket Adhesive.....	polyurethane
Prefilter Media.....	pleated paper
Final High Efficiency Media.....	pleated micro fiberglass
Outer Sock.....	needled polyester
Removal Rating.....	0.3 micron absolute



## Recommended Operating Limits

Initial Differential Pressure.....	<0.5 psi
Recommended Change-Out Differential Pressure.....	15 psi (max)
Maximum Element Operating Life.....	1 year
Maximum Operating Temperature.....	300°F
Minimum Operating Temperature.....	-60°F

Note: Special metallic materials are available according to customers requests. Do not hesitate to contact us for further details.

Element Model	FLOW MMSCFD			Dimensions in inches		
	100 PSI	400 PSI	2000 PSI	Length	I.D.	O.D.
FT-C1.0-0.3-18	1.7	3.3	8	18	3.13	4.5
FT-C1.0-0.3-36	2.1	4.1	10	36	3.13	4.5
FT-C1.0-0.3-36-2	2.5	4.8	11.7	36	4.25	5.5

Capacity is based on Natural Gas at 0.60 S.G. and 60°F

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# C1.5 SERIES FIBERGLASS ELEMENTS

## Technical

The Feature–Tec C1.5 series elements have the following features:

The Feature–Tec C1.5 series elements are efficient filter–separator elements.

The molded fiberglass tube is constructed of graded glass fibers, compressed to the proper density and bonded with inert phenolic binders.

The fiberglass tube is supported by a heavy–duty, spiral locked center core for superior resistance to collapse which is due to high differential pressure.

The center core can withstand over 75 PSI differential pressure.

The metal end caps are mechanically attached to the center core for structural strength. The fiberglass media is attached to the end caps with a highly resistant adhesive to prevent any possibility of bypass.

Buna N gaskets are attached to the end caps with a polyurethane adhesive and go through a special heat treatment.

The adhesive is resistant to all hydrocarbons.

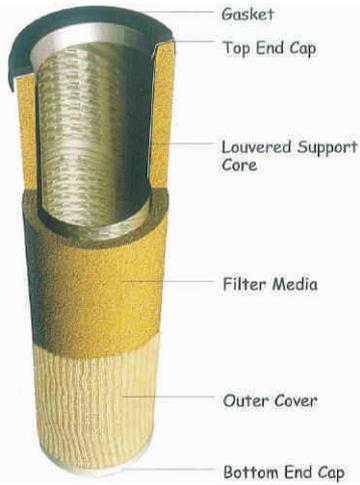
The standard Feature–Tec C1.5 series filter element will remove particles that down to one micron without excessive differential pressure build–up.

A cotton outer wrap protects the fiberglass from dirt and damage during shipment and protects the operator during element change-out.



## Performance and Operation Data

- Nominal micron ratings available.....10,5,1,0.5 & 0.3
- Recommended maximum operating temperature.....275°F
- Recommended maximum changeout differential.....15 PSI
- Gasket material.....Buna N



## Application

For use in Feature–Tec,Peerless Manufacturing,Perry Equipment, King Tool and Pall filter-separators and dry gas filters that use 18,36 or 72 inch element,flowing from the outside to the inside.

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## Sales Network



## Agent



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