

ROYAL



FILTER MANUFACTURING COMPANY

4327 South 4th Street • Chickasha, OK 73018 • (405) 224-0229

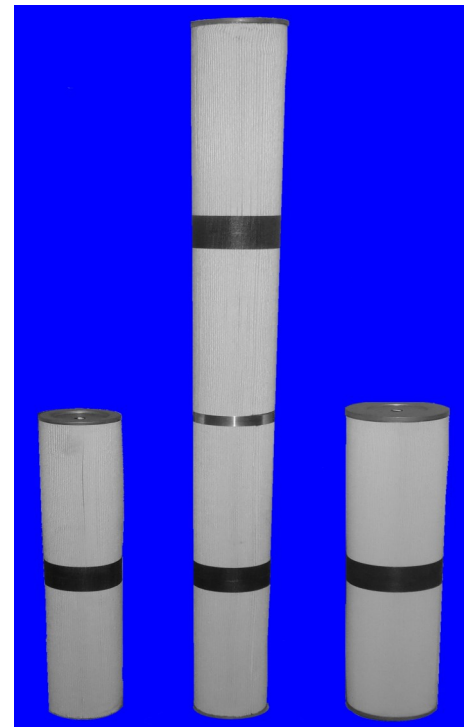
NATURAL GAS PLEATED COALESCER CARTRIDGES

RGC Series

Royal Filter Natural Gas Coalescing Filter Cartridge are specifically designed to remove fine particulate, high solids contaminant retention and efficient coalescing of aerosols that can be removed from a natural gas stream. These cartridges are manufactured using pleated microglass with epoxy coated wire mesh as support and drainage. These gas coalescers are highly efficient and can remove aerosols down to 0.3 microns. A 5 micron option is also available. These cartridges can be designed to function as either inside-to-outside or outside-to-inside flow. This product has three media options: phenolic impregnated cellulose, microglass, or microglass/polyester blend. This filter is a single piece construction up to 72" length.

Typical applications include;

- Removing Oil Mist from Gas Compressor Discharge Streams
- Removing sub-micronic particles and lubricating oils from Gas Injection Streams
- Protecting molecular sieve beds from contamination

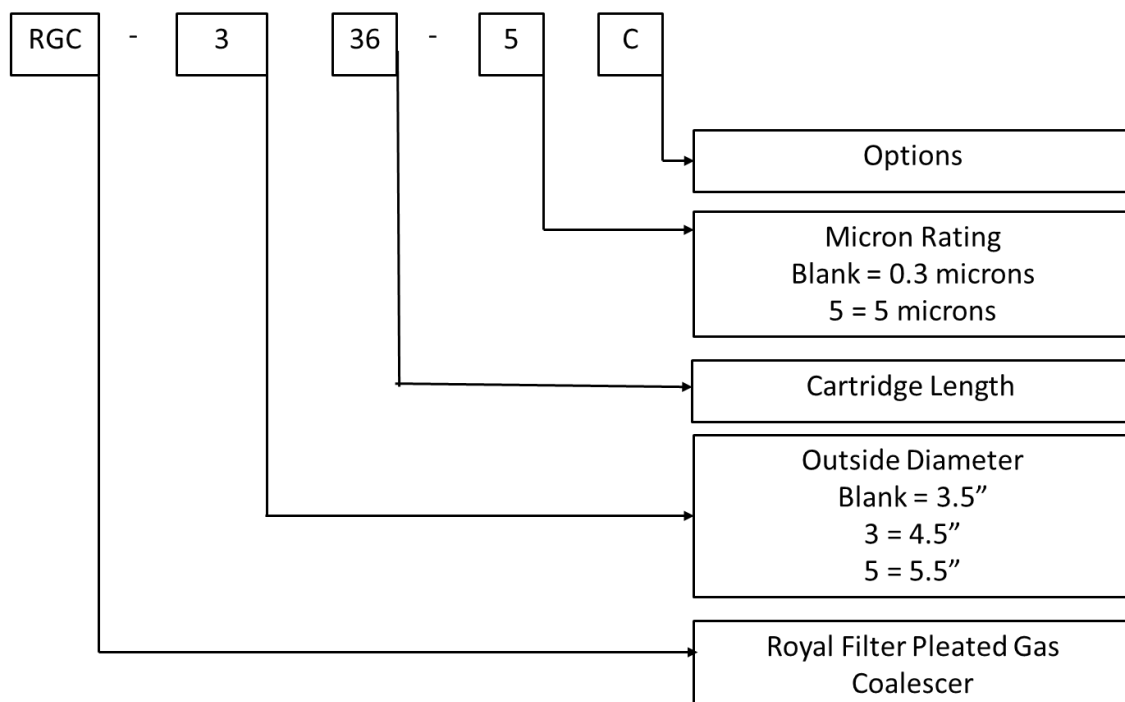


Product Specifications

- Maximum Operating Temperature: 240 F
- Center Core: spiral wound louvered Tin-Plated steel
- Cage: Woven cotton fabric
- End Caps: Tin-Plated Steel
- Core Wrap: Reemay Migration Barrier
- Gasket: Buna N (other options available)
- Recommended initial dP: < 2 psid
- Recommended element change 12-14 psid
- Core Strength
 - 3.5" OD elements—120 psid
 - 4.5" OD elements—55 psid
 - 5.5" OD elements—35 psid
- Recommended Torque : 8-10 ft-lb



FILTER PART NUMBERING SYSTEM



Notes :

1. Standard Flow is outside to inside flow. Use option "R" for inside to outside flow.
2. Most Coalescers are built to API 1581, Group 1 Specifications
3. Contact Royal Filter for specific performance data.
4. Contact Royal Filter for custom designed Coalescers.

OPTIONS
CE = Closed End with 5/8" bolt hole
R = Inside to Out Flow
C = Cellulose Media
W = Cotton Wrap over Tin Plated Steel Outer Body
S = Single piece construction (on 72")

Royal Filter can provide replacements for the following manufacturers and many others:

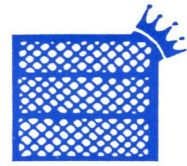
Facet
Fram
Fluitek
Guardian Labs
Filtration Group (Jonell)
Kaydon
Murphy
Peco
Velcon



Royal Filter Coalescing Element Specifications

Part Number	OD	Length	ID	Options
RGC-312CE	4 1/2	12	3 1/4	Closed end with 5/8" bolt hole
RGC-312RCE	4 1/2	12	3 1/4	Closed end with 5/8" bolt hole, Reverse Flow
RGC-324	4 1/2	24	3 1/4	
RGC-324CE	4 1/2	24	3 1/4	Closed end with 5/8" bolt hole
RGC-324R	4 1/2	24	3 1/4	Reverse Flow
RGC-324RCE	4 1/2	24	3 1/4	Closed end with 5/8" bolt hole, Reverse Flow
RGC-330P-10C	4 1/2	24	3 1/4	Cellulose—10 micron
RGC-336	4 1/2	36 1/8	3 1/4	
RGC-336-10-CEX	4 1/2	36 1/8	3 1/4	Closed end with 5/8" bolt hole
RGC-336CE	4 1/2	36 1/8	3 1/4	Closed end with 5/8" bolt hole
RGC-336EXV	4 1/2	36 1/8	3 1/4	Epoxy adhesive, Viton Gaskets
RGC-336P-5C	4 1/2	36 1/8	3 1/4	Cellulose media—5 micron
RGC-336-P10C	4 1/2	36 1/8	3 1/4	Cellulose media—10 micron
RGC-336P-1EM	4 1/2	36 1/8	3 1/4	
RGC-336-1EMCE	4 1/2	36 1/8	3 1/4	
RGC36-RW	3 9/32	36 1/8	2 1/8	Inside-out flow, Outer Cotton wrap over steel body
RGC-336R	4 1/2	36 1/8	3 1/8	Microglass/polyester drain barrier
RGC-336RCE	4 1/2	36 1/8	3 1/8	Microglass/polyester drain barrier, closed end with 5/8" bolt hole
RGC-372CE	4 1/2	72	3 1/8	Closed end with 5/8" bolt hole
RGC-373RCE				Closed end with 5/8" bolt hole
RGC-372RSCE	4 1/2	72	3 1/8	Inside-out flow, outer cotton wrap over steel body, closed end with 5/8" bolt hole
RGC-536CE	5 1/2	36 3/8	4 1/4	Microglass/polyester blend media, closed end with 5/8" bolt hole
RGC-536RCE	5 1/2	36 3/8	4 1/4	Closed end with 5/8" bolt hole
RGC-536P-5C	5 1/2	36 3/8	4 1/4	Cellulose media—5 micron
RGC-818R	7 7/8	18	5	Reverse Flow

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Royal Filter specializes in quality liquid and air filter products for a wide variety of industrial applications.

MADE IN THE USA

Royal Filter utilizes the latest modern manufacturing techniques and equipment. Our pleaters and cure ovens give us the capability to produce a variety of different elements, utilizing single piece construction up to 60" in length. Working with our long term suppliers and continuous improvement training with our employees with an emphasis on quality, we offer a superior product at a competitive price.

Our modern 60,000 square foot manufacturing facility is designed to allow a smooth and efficient flow of products, from incoming raw materials to outgoing shipments of finished products. This helps to ensure prompt, on time deliveries.

Our elements are constructed of the highest quality components. Many different cartridge configurations, media, and materials of construction are available to fit you specific application.

Please visit our website at www.royalfilter.com

SUPERIOR CUSTOMER SERVICE

- Toll Free number for technical service or product information: 1-800-256-2559.
- LTL shipments are palletized at no charge
- 99% Efficiency on shipping order(s) per terms of agreement.
- Our central location reduces freight costs and transit time.
- Drop ship to your customers for shorter delivery times and shipping costs.
- Third party freight billing and freight quotes are available at no additional charge.
- Excellent competitor and OEM cross reference information available.
- Special elements can be designed, tested, and manufactured to customer specifications.
- A firm commitment from ROYAL FILTER MANUFACTURING to excellence in product quality, customer service, and price.

For the Royal Filter Distributor nearest you,
contact:

Royal Filter Manufacturing Company
4327 South Fourth Street
Chickasha, OK 73018

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