

## <u>Home</u>

### Products

### Support

Industries oducts / Filters, Collecto... / Replacement Engin... / Fuel Filter Elements / Separator Cartrid... / S0-624VA5

# Services Separator Cartridges - Filter/Separator 2nd Stage Elements

# WPharet t#BB)O-624VA5



 $\oplus$ 

Parker Velcon SO Series Separator cartridges for use as the second stage in filter/separator vessels prevent water from re-entering the fuel downstream.

Separator

EI1581

View Series Page \Xi Share / Email 🔶 Print 🖨

# **Technical Specifications**

Filter Type: Certificates: Seal Material: Maximum Operating Temperature: pH Range: Brand: Flow Rate:

Buna-N 93.3 °C, 200 °F Continuous Operation: 5 - 9 Velcon Depends on fluid viscosity and application. See brochure for more information. Application: Application: Tube Type: Media: End Cap Configuration: Length (inch): Inside Diameter (inch): Outside Diameter (inch):

Aviation & Industrial Aviation and Industrial Variable TCS Blind 24 3.5 6

▲ Safety Warning

# **Item Information**

Features

- Optimum 2nd stage water removal
- Choice of Teflon® Coated Screen, Synthetic or Pleated Paper Media
- Field proven performance
- Largest selection of replacement elements

### General

Separator Cartridges are employed as the second stage in filter/separator vessels. Their sole function is to repel coalesced water drops produced by the first stage cartridges while allowing hydrocarbon fluids to pass through. Water drops settle into the filter/separator sump and are not carried downstream. All particle filtering is done by the first stage coalescer cartridge.

How Separator Cartridges Work

Flow direction is from outside-to-inside. The top photo insert shows water being repelled by the hydrophobic separator medium on the cartridge's outside surface. Hydrocarbon fluids, on the other hand, easily pass through and exit the separator cartridge. Cartridges with three different types of repelling media are offered:

The Sector Decreen (TCS) Cartridges are, by far, the most popular type of separator cartridge. With proper cleaning and inspection (see Velcon Cartridge state of the sector of the se

Home cations.

Pleated Paper Cartridges cannot be reused and are replaced at every coalescer cartridge changeout. They are often used with diesel and other fuel oils which may contain materials that adhere to TCS cartridges and cannot be cleaned off. Synthetic Media Cartridges can be cleaned a sustimum of two times. They are intended for customers who do not want to take the time to clean separators.

#### Separator Cartridge Performance Industries

Maintaining a uniform flow along the length of the cartridge optimizes performance and reduces the number of cartridges required. Flow is Set Kirshed by a tube, inside each cartridge, through which the hydrocarbon fluid exits the cartridge and the filter/separator vessel. Two styles of inner tube are offered.

### <u>Solutions</u>

Cartridges with uniform hole pattern inner tubes are adequate for many applications. However, where optimum flow distribution is required, Where the Buy th variable hole pattern inner tubes are recommended. When converting older equipment, a lesser number of variable hole pattern cartridges is usually required. Operating costs will therefore be reduced.

### Separator Cartridges

Model number system. Refer to box at right and table below. Note that "C" in the code always means a Uniform hole pattern inner tube with TCS media, and "V" means Variable hole pattern with TCS media. Blind caps have a hole for the tie rod.

#### **General Specifications**

- TCS medium is 200 mesh stainless steel screen coated on both sides with green Teflon. The screen is lockseam folded and fastened with an internal aluminum clip.

- Pleated medium is silicone treated resin impregnated paper with a protective outer aluminum screen jacket.
- Tubes are aluminum.
- End caps are aluminum and/or glass filled nylon.
- Gaskets are Buna-N.
- pH range is 5 to 9.
- Maximum operating temperature is 200°F.
  CAD Drawings + Files
  Related Documents
  +



Parker Sales Company UK

psc.uk.webform@support.parker.com +44 (0)1926 317878

- + Company Information
- + Global Operations
- + Help & Support
- + Follow Us :

© PARKER HANNIFIN CORP 2023

ENGINEERING YOUR SUCCESS. SITE MAP SAFETY PRIVACY POLICIES TERMS AND CONDITIONS



Home Products

Support

Industries

Services

Solutions

Where to Buy