

PECO Series C

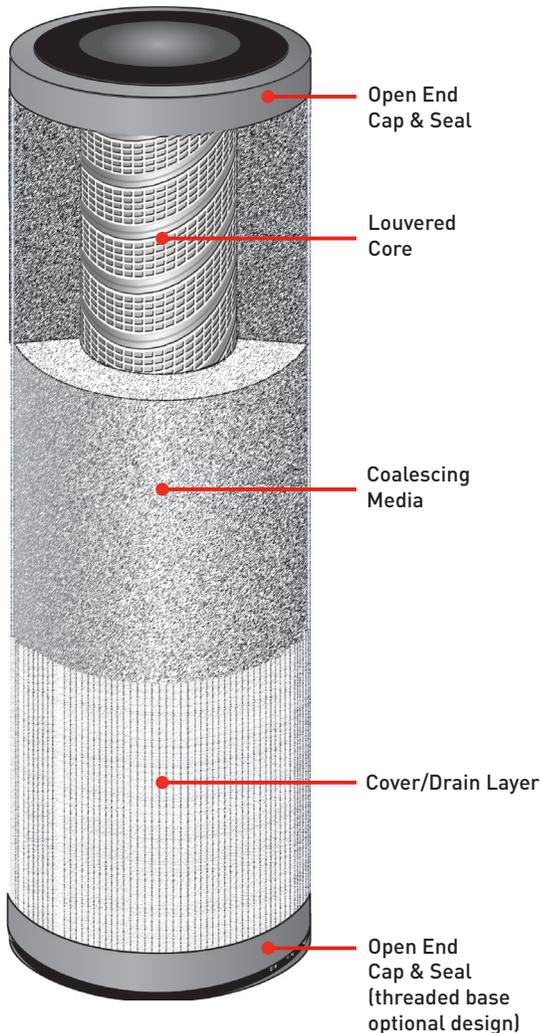
XTREAMPHASE®
DEPTH GLASS STYLE
LIQUID/LIQUID PHASE COALESCERS

for use in PECO Series 110V and 110H XtreamPhase® vessels or competitor vessels of similar design



Series C coalescer cartridges are used in vertical and horizontal PECO Series 110 vessels and also as a retrofit to other competitor equivalents. The cartridge is designed to coalesce and separate free and entrained water from fluids such as aromatics, condensate, diesel, gasoline, kerosene, LPG and lube oil. The cartridge can also be used to remove entrained liquids other than water.

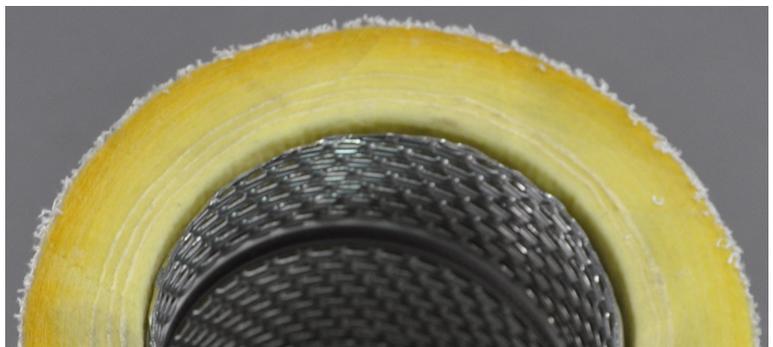
The Series C coalescer contains a fiberglass coalescing media, which is hydrophilic in nature, making it an excellent choice for attracting water droplets. The coalescer typically works in conjunction with the Series S separator cartridge. The separator uses a fine hydrophobic material to act as a final barrier/repellent to any stray droplets that try to migrate downstream.



HAVING AN UNWANTED IMMISCIBLE FLUID IN A PRODUCT STREAM CAN BE COSTLY.

Don't let it create maintenance issues on equipment and cause product to be off-spec. PECO coalescing and separation technologies provide solutions to improve our customers operating costs and improve product quality. Our cartridges are designed to separate a two phase liquid stream and remove the unwanted free, immiscible, dispersed droplets from the continuous fluid stream.

The word coalescence means "to grow". The coalescer media chemistry creates an affinity to attract the small immiscible liquid droplets (discontinuous phase) suspended in a fluid (continuous phase). As the small droplets are attracted they collide with each other allowing them to grow into larger droplets. The larger droplets are carried through the coalescing media and separated from the continuous fluid stream by gravity.



New & Improved Coalescing Media

- 20% increase in droplet size
- lower ppm(v) level



ENGINEERING YOUR SUCCESS.

MATERIALS

MEDIA	Inert Resin Bonded Seamless Fiberglass
CORE	Aluminum
OUTER COVER	Cotton Sock
END CAPS	DOE Style: Aluminum TB Style: Glass Filled Nylon
SEAL	Buna-N, Viton®
ADHESIVE	Urethane

PERFORMANCE

Coalescer Only

Removes entrained free water down to 8 ppm(v) or less with influent water concentration up to 10% volume.

Coalescer With Separator

Removes entrained free water down to 8 ppm(v) or less with influent water concentration up to 5% by volume.

- Not recommended for particulate removal.

OPERATING DATA

FLOW DIRECTION: Bi-Directional

MAX TEMP: 240°F / 116°C

MAX. DIFFERENTIAL PRESSURE: 25 psid / 1.7 bar

RECOMMENDED CHANGE-OUT

DIFFERENTIAL PRESSURE: 15 psid / 1.0 bar

PH RANGE: 5–9

NOMINAL DIMENSIONS

DOE STYLE (Double Open Ended)

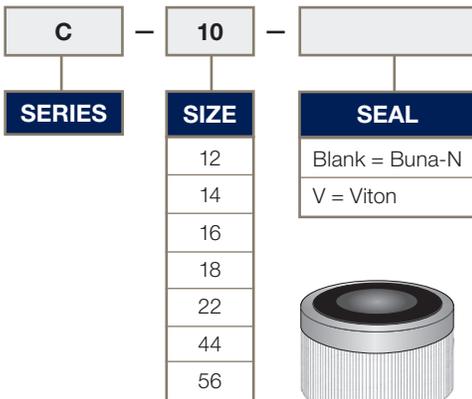
SIZE	O.D.	I.D.	LENGTH
12	6" / 152mm	3.5" / 89mm	22.25" / 565mm
14	6" / 152mm	3.5" / 89mm	33.25" / 845mm
16	6" / 152mm	3.5" / 89mm	14.25" / 362mm
18	6" / 152mm	3.5" / 89mm	28.25" / 718mm
22	6" / 152mm	3.5" / 89mm	22.25" / 565mm
44	6" / 152mm	3.5" / 89mm	44.25" / 1124mm
56	6" / 152mm	3.5" / 89mm	56.25" / 1429mm

THREADED BASE STYLE (for competitor retrofits only)

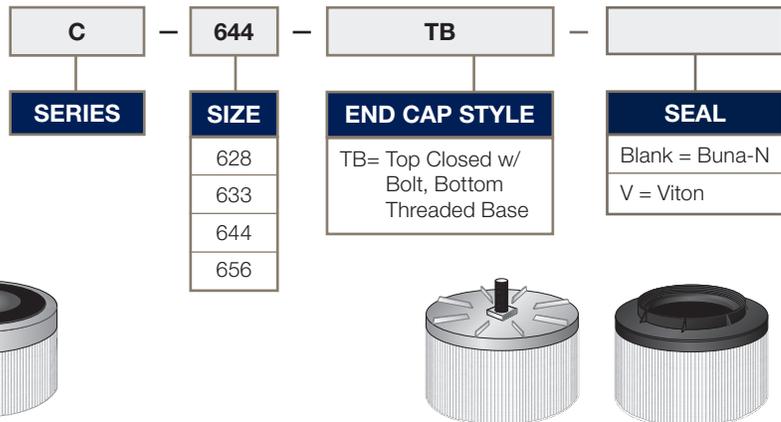
SIZE	O.D.	I.D.	LENGTH
628	6" / 152mm	3.0" / 76mm	28" / 711mm
633	6" / 152mm	3.0" / 76mm	33" / 838mm
644	6" / 152mm	3.0" / 76mm	44" / 1118mm
656	6" / 152mm	3.0" / 76mm	56" / 1422mm

ORDERING INFORMATION

DOE STYLE



THREADED BASE STYLE



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