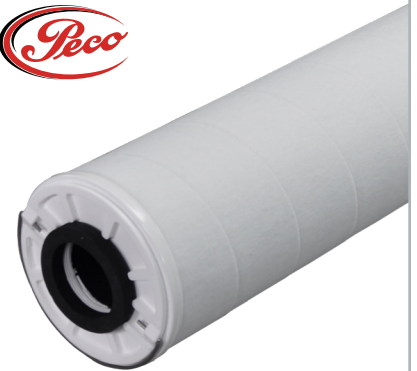


# PECO Series XS

XTREAMSORB®

PEACH® CARBON BLOCK  
FILTER-ADSORBER CARTRIDGES

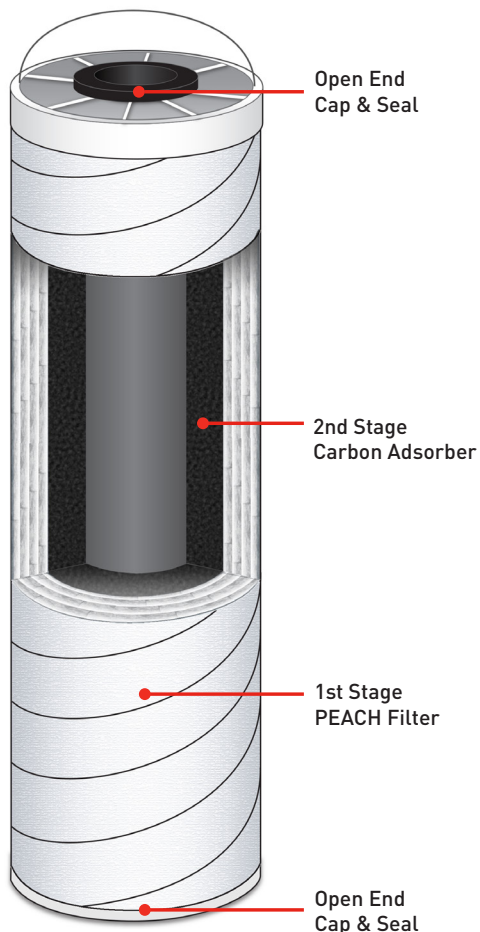
for use in PECO Series 10, 14 & 55C vessels  
or competitor vessels of similar design



## “REVOLUTIONIZE YOUR PROCESS PURIFICATION, UPGRADE CARBON CANISTERS WITH XTREAMSORB”

The XtreamSorb, Series XS, filter-adsorber cartridge incorporates both PEACH filtration technology and proprietary carbon block technology to provide an unprecedented two-stage cartridge with filtration and adsorption capabilities all in one. The Series XS removes the need for separate upstream particulate filtration

and provides maximized adsorption of impurities such as heavy hydrocarbons, degradation compounds and aromatics from process liquids and water. The block does not release carbon fines into the downstream effluent, which removes the need for separate downstream particulate filtration as well.



### BEST OF BOTH WORLDS IN ONE SINGLE CARTRIDGE!

First stage PEACH media filters and captures solid particulate. This keeps the second stage carbon block pores free from solid contaminants maximizing adsorption of heavy hydrocarbons and aromatics.

#### 1<sup>st</sup> Stage PEACH® Filter

- Most unique depth style filter cartridges on the market.
- Advanced solids removal of PEACH first stage protects downstream carbon block.
- PEACH's oleophilic nature attracts larger hydrocarbon droplets and semi-solids, decreasing loading on carbon block resulting in longer service life.

#### 2<sup>nd</sup> Stage Carbon Block Adsorber

- Proprietary carbon block technology is specifically designed for removal of longer chain heavy hydrocarbons seen in TEG and Amine process purification systems.
- Carbon block's innovative structure prevents carbon movement and fluid channeling prevalent in traditional granular carbon.
- Carbon block yields a higher level of mass transfer kinetics, resulting in a smaller more ergonomic foot print and cleaner process stream.
- Eliminates the need for downstream particulate filtration.



ENGINEERING YOUR SUCCESS.

## MATERIALS

|                         |                                     |
|-------------------------|-------------------------------------|
| <b>FILTRATION MEDIA</b> | Polyester or Polypropylene          |
| <b>ADSORPTION MEDIA</b> | Proprietary carbon block technology |
| <b>END CAPS</b>         | Polyester or Polypropylene          |
| <b>SEAL</b>             | Buna-N, EPDM, or Viton®             |

## NOMINAL DIMENSIONS

| SIZE | O.D.       | I.D.      | LENGTH       |
|------|------------|-----------|--------------|
| 520  | 5.5"/139mm | 2.2"/55mm | 20" / 508mm  |
| 522  | 5.5"/139mm | 2.2"/55mm | 22" / 558mm  |
| 540  | 5.5"/139mm | 2.2"/55mm | 40" / 1016mm |
| 544  | 5.5"/139mm | 2.2"/55mm | 44" / 1117mm |

## PERFORMANCE

**EFFICIENCY:** 99% of 10 micron  
92% of 5 micron

## OPERATING DATA

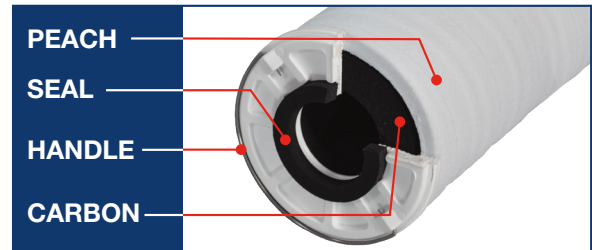
**FLOW DIRECTION:** Outside-to-Inside

**MAX TEMP:** Polypropylene: 180°F / 82°C  
Polyester: 220°F / 104°C

**MAX. DIFFERENTIAL PRESSURE:** 20 psid / 1.3 bar

**RECOMMENDED CHANGE-OUT DIFFERENTIAL PRESSURE:** 10 psid / 0.68 bar

**pH RANGE:** Polypropylene: 3–13  
Polyester: 3–10



## ORDERING INFORMATION

|               |  |                          |   |   |   |
|---------------|--|--------------------------|---|---|---|
| <b>XS</b>     | <b>G</b>                               | <b>544</b>               | <b>V</b>                                | <b>CR 2.20</b>                          | <b>HC</b>   |
| <b>SERIES</b> | <b>MEDIA/END CAPS</b>                  | <b>SIZE</b>              | <b>SEAL</b>                             | Cartridge fits both 2.20 & 1.56" risers | Blank = Typical Process Applications<br>HC = Condensate Discoloration |
|               | Blank = Polypropylene<br>G = Polyester | 520<br>522<br>540<br>544 | Blank = Buna-N<br>E = EPDM<br>V = Viton |   |   |

## APPLICATIONS

- Removal of heavy hydrocarbon impurities and aromatics from glycol and amine process liquids used to dehydrate and sweeten natural gas
- Removal of hydrocarbon color species from Natural Gas Liquids (NGL)
- Removal of hydrocarbons and aromatics from produced water streams



Left: Rich Glycol before XstreamSorb

Right: Lean Glycol after one pass through XstreamSorb!

• Viton® is a registered trademarks of E. I. du Pont de Numours and Company.

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