



# XtreamPure<sup>®</sup>

PECO Series 55X High Flow Liquid Filter

ISO 9001



ENGINEERING YOUR SUCCESS.

## DEPENDABLE PERFORMANCE with XtreamPure

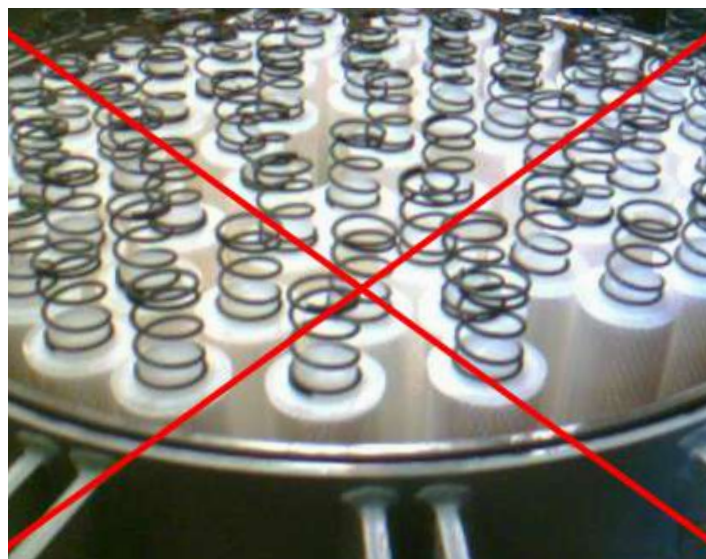
High performance and a smaller vessel footprint are important to maintaining a clean liquid stream that protects process equipment and provides quality final products. The PECO XtreamPure filter does just that! The vessel is designed with large diameter cartridges that allow for high flow rates which significantly reduces the number of cartridges to change-out versus traditional liquid filters. The inside-to-outside flow through the cartridge ensures contaminant is captured within the cartridge allowing a cleaner cartridge extraction during change-outs. With a wide variety of cartridge options, the XtreamPure filter is sure to be a winner for virtually any liquid application!



### VERSATILE, HIGH FLOW CAPACITY LIQUID FILTRATION

#### TYPICAL APPLICATIONS

- Hydrocarbon Streams (i.e. condensate, caustic, gasoline, kerosene, naptha, NGL)
- Lube Oils • Water (i.e. process water, sour water) • Processing Liquids (i.e. amine, glycol)



XtreamPure cartridges are easy to install and remove with no tools needed.

## VESSEL SPECIFICATIONS

### STANDARD

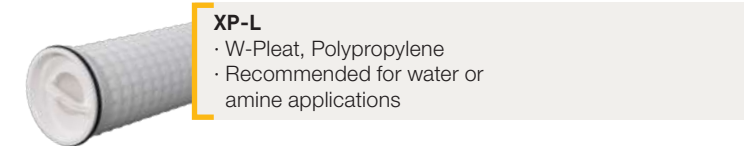
- 10" to 84" diameter
- ASME Code Section VIII, Div.1
- Design Temperature from -20°F to 220°F
- Design Pressure 285 psig to 1480 psig
- Swingbolt or Quick Opening Closure
- Pressure Parts: Carbon Steel
- External Attachments: Carbon Steel
- Basket Internals: Stainless Steel
- Hydrostatic testing at 1.3 to 1.5 x design pressure

### OPTIONS

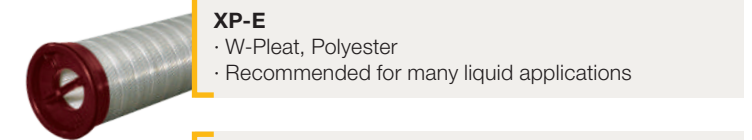
- Other Design Codes
- High Design Pressure upon request
- Materials of Construction
  - 304 Stainless Steel
  - 304L Stainless Steel
  - 316 Stainless Steel
  - 316L Stainless Steel
- Non-Destructive Testing (NDT)
  - Radiography
  - Magnetic Particle
  - Liquid Penetration
  - Ultrasonic
  - Brinell Hardness
  - Charpy Impact
- Coating Options
  - Sandblast: commercial, near white and white metal
  - Paint: 2 & 3 coat corrosion resistant
- Optional PECO SafeLock Closure®
- Auxiliary Packages in Stock

## CARTRIDGES

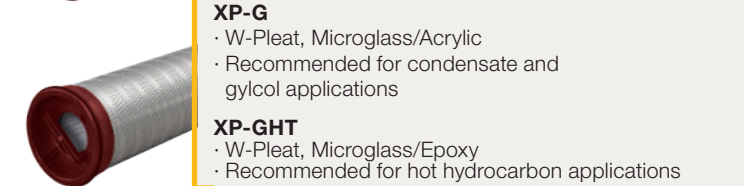
- Available in 40", 60" and 80" lengths
- Wide range of material options available in both pleated and depth style configurations
- Micron Ratings from 0.5 to 100
- Flow Direction Inside-to-Outside
- Cartridges can be retrofitted in competitor's high flow style vessels



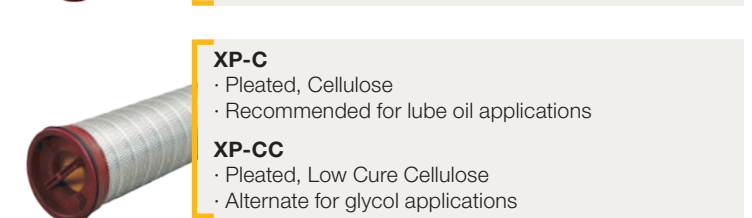
**XP-L**  
 · W-Pleat, Polypropylene  
 · Recommended for water or amine applications



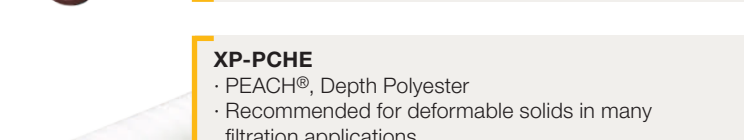
**XP-E**  
 · W-Pleat, Polyester  
 · Recommended for many liquid applications



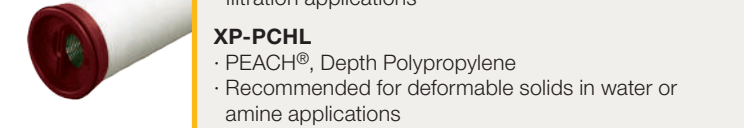
**XP-G**  
 · W-Pleat, Microglass/Acrylic  
 · Recommended for condensate and glycol applications



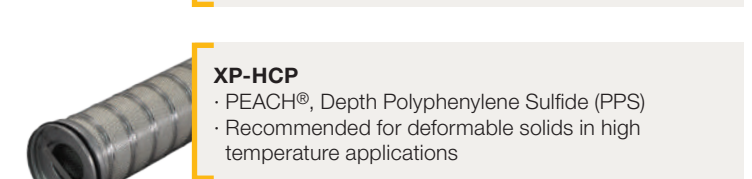
**XP-GHT**  
 · W-Pleat, Microglass/Epoxy  
 · Recommended for hot hydrocarbon applications



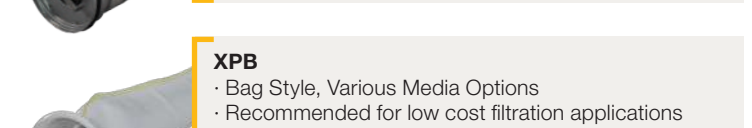
**XP-C**  
 · Pleated, Cellulose  
 · Recommended for lube oil applications



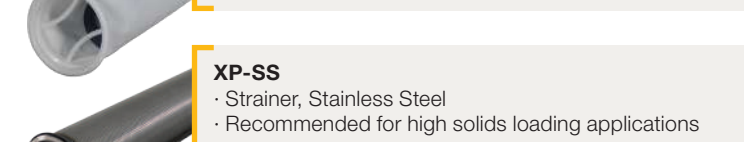
**XP-CC**  
 · Pleated, Low Cure Cellulose  
 · Alternate for glycol applications



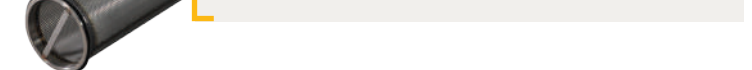
**XP-PCHE**  
 · PEACH®, Depth Polyester  
 · Recommended for deformable solids in many filtration applications



**XP-PCHL**  
 · PEACH®, Depth Polypropylene  
 · Recommended for deformable solids in water or amine applications



**XP-HCP**  
 · PEACH®, Depth Polyphenylene Sulfide (PPS)  
 · Recommended for deformable solids in high temperature applications

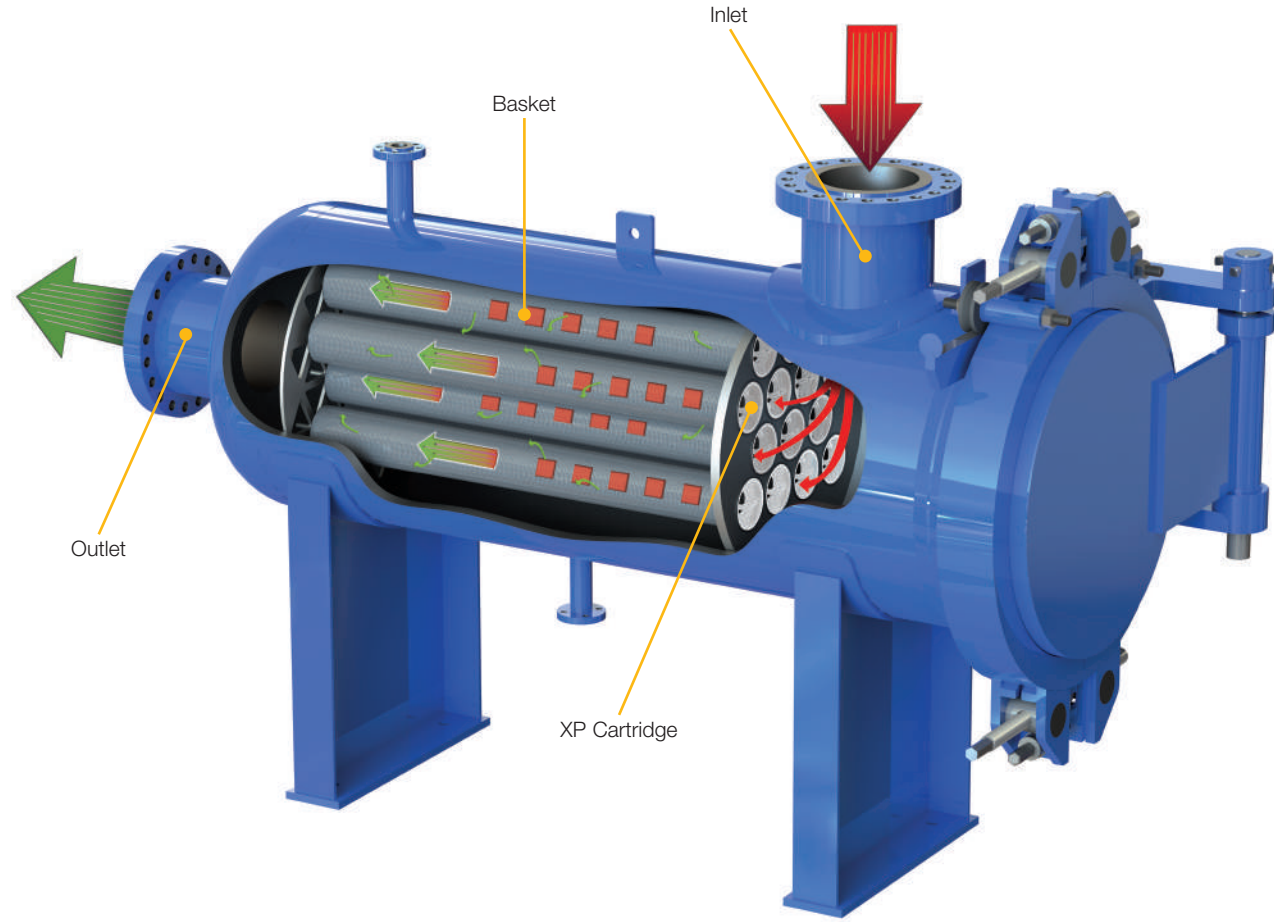


**XPB**  
 · Bag Style, Various Media Options  
 · Recommended for low cost filtration applications



**XP-SS**  
 · Strainer, Stainless Steel  
 · Recommended for high solids loading applications

## VESSEL SIZING



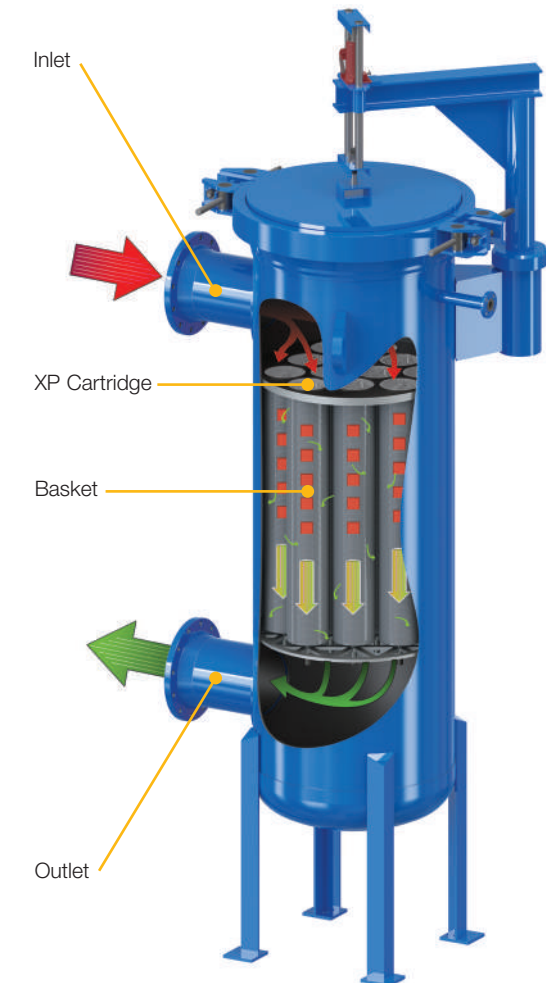
## VERTICAL 55VX W/ 40" LENGTH CARTRIDGES

MODEL NUMBER <sup>1</sup>	NO. OF CARTRIDGES	OPTIMAL FLOW RATE @ 1CP (GPM) <sup>2</sup>	VESSEL OUTSIDE DIAMETER (IN)	FLANGE INLET/OUTLET DIAMETER (IN)	VESSEL LENGTH (IN) <sup>3</sup>	VESSEL HEIGHT (IN) <sup>3</sup>	AVERAGE CONTAMINANT CAPACITY AT OPTIMAL FLOW (LBS)
55VX-1-640-10-xxxx	1	200	10	3.5	18	84	19
55VX-3-640-18-xxxx	3	600	18	6.625	26	95	57
55VX-4-640-20-xxxx	4	800	20	6.625	28	96	76
55VX-7-640-24-xxxx	7	1,400	24	8.625	34	104	133
55VX-12-640-30-xxxx	12	2,400	30	10.75	40	114	228
55VX-19-640-38-xxxx	19	3,800	38	12.75	48	124	361
55VX-20-640-42-xxxx	20	4,000	42	16	52	149	380
55VX-31-640-48-xxxx	31	6,200	48	16	58	152	589
55VX-37-640-54-xxxx	37	7,400	54	18	66	165	703
55VX-43-640-60-xxxx	43	8,600	60	20	72	170	817
55VX-58-640-66-xxxx	58	11,600	66	24	78	189	1,102
55VX-69-640-72-xxxx	69	13,800	72	24	84	192	1,311
55VX-85-640-78-xxxx	85	17,000	78	26	90	201	1,615

## HORIZONTAL 55HX W/ 60" LENGTH CARTRIDGES

MODEL NUMBER <sup>1</sup>	NO. OF CARTRIDGES	OPTIMAL FLOW RATE @ 1CP (GPM) <sup>2</sup>	VESSEL OUTSIDE DIAMETER (IN)	FLANGE INLET/OUTLET DIAMETER (IN)	VESSEL LENGTH (IN) <sup>3</sup>	VESSEL HEIGHT (IN) <sup>3</sup>	AVERAGE CONTAMINANT CAPACITY AT OPTIMAL FLOW (LBS)
55HX-1-660-10-xxxx	1	300	10	4.5	97	30	28
55HX-3-660-18-xxxx	3	900	18	6.625	104	38	84
55HX-4-660-20-xxxx	4	1,200	20	8.625	110	42	112
55HX-7-660-24-xxxx	7	2,100	24	10.75	115	46	196
55HX-12-660-30-xxxx	12	3,600	30	12.75	122	52	336
55HX-19-660-38-xxxx	19	5,700	38	16	131	60	532
55HX-20-660-42-xxxx	20	6,000	42	16	145	64	560
55HX-31-660-48-xxxx	31	9,300	48	20	156	72	868
55HX-37-660-54-xxxx	37	11,100	54	24	165	78	1,036
55HX-43-660-60-xxxx	43	12,900	60	24	170	84	1,204
55HX-58-660-66-xxxx	58	17,400	66	26	176	90	1,624
55HX-69-660-72-xxxx	69	20,700	72	30	183	96	1,932
55HX-85-660-78-xxxx	85	25,500	78	32	189	102	2,380

*Maintaining clean liquid streams with dependable performance.*



- 1 xxxx = pressure rating
- 2 Optimal flow rate for highest contaminant loading capacity
- 3 Vessel length & height dimensions are based on 1480 psi design pressure. The dimensions will be smaller as design pressure goes down.



## GLOBAL OIL & GAS FILTRATION OFFICES

### North America

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Mineral Wells, TX  
940-325-2575  
industrialprocess.na@parker.com

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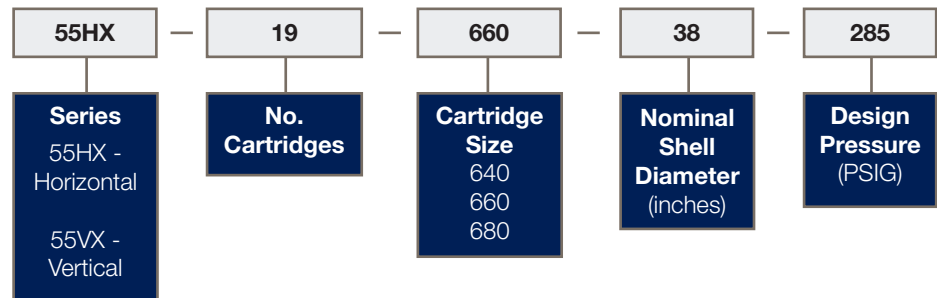
Parker Hannifin has a policy of continuous product research and development and reserves the right to change design and specifications without notice.

BR-OG-XTREAMPURE-55X-190411

## FEATURES

- **Safe, User Friendly Design**
  - No tools required to change out cartridges
- **Full End Closure**
  - Minimizes confined space entry
- **Large 6" Diameter Cartridges**
  - Allows for high flow rates so less cartridges needed in vessel versus conventional 2.5" & 3" diameter style cartridges
  - Generally reduces vessel case diameter by 1 or 2 sizes
  - High contaminant loading capacity
- **Inside-to-Outside Cartridge Flow Direction**
  - Contaminant captured inside cartridge provides cleaner extraction during change-out
- **Patent Pending PECOSeal™ Technology**
  - Ensures complete sealing compared to traditional o-ring seal
- **Cartridge Baskets**
  - Protect and support cartridges
  - Allows cartridge to withstand up to 50 psid change-out pressure
  - Can be easily replaced in the event of damage
- **Wide Range of Cartridge Styles**
  - Pleated, PEACH® Depth, Bags, Strainers
  - Multiple cartridge options provide the best choice for application and contaminant removal selection

## VESSEL ORDERING INFORMATION



Refer to data sheet DS-OG-XTREAMPURE-XP for detailed cartridge information.

### The following information is required when requesting a quote for an XtreamPure

- Operating pressure range
- Operating temperature range
- Type of liquid contaminant
- Liquid density or specific gravity
- Design pressure
- Design temperature
- Corrosion allowance requirements
- Special design requirements

**For quick delivery needs Parker has a filter vessel stocking program with units available from 10" through 18" diameter at 150# and 600# ANSI ratings.**

Consult factory for availability and pricing.

XtreamPure® products protected by USA Patent Nos. US8961644B2 and US10137391B2 as well as patents in various other countries.

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