



## **VAF™ FILTRATION SYSTEMS**

### **PROSTRAINER® SYSTEMS**

#### **SUCTION SIDE PUMP PROTECTION**

#### **GENERAL INFORMATION**

The ProStrainer® system provides an excellent solution for high flow, high capacity pre-strainer applications requiring filtration down to an 1/8" particle size. It is especially well suited for filtration where pump protection is required, such as rivers and lakes.

The ProStrainer system offers many features including:

- All stainless steel system components (excluding see-through portion of lid)
- Smallest industry footprint
- Open area ratios beat competitors by 400%
- Clog free by-pass design
- Easy to maintain
- Promotes highest industry NPSH for improved pump performance
- Multiple flow paths reduce chances for major flow blockage by large debris
- Adjustable draw latch lid clamping system
- See-through lid provides easy inspection
- Integrated mounting system built into design
- Various strainer screen openings available - 1/4" standard

#### **Specifications**

##### Materials

- Body: 316L SS
- Face Piping: 316L SS
- Lid: 316L SS and clear acrylic
- Gasket: EPDM, viton, or neoprene
- Latching: Quick connect/disconnect
- Baskets: 316L Stainless steel

##### Maximum Pressure

- 1 bar (15 psi)

##### Maximum Temperature

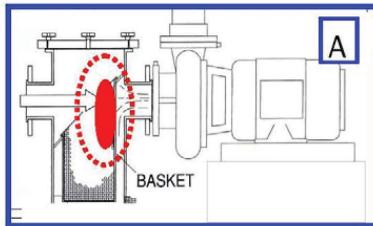
- 80° C (176° F)

## STRAINER SPECIFICATIONS

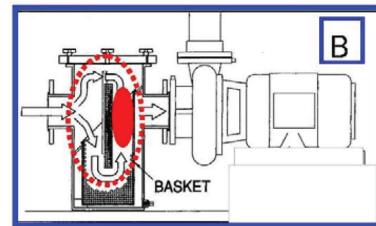
MODEL	MAX FLOW RANGE	MAX FLOW RANGE	STRAINER SIZE IN	STRAINER SIZE OUT	RATIO OPEN AREA
	M <sup>3</sup> /HR	GPM	IN	IN	
VAF-US316-3x3	28	125	3	3	93 to 1
VAF-US316-4x4	49	215	4	4	51 to 1
VAF-US316-6x6	111	488	6	6	29 to 1
VAF-US316-8x8	194	854	8	8	58 to 1
VAF-US316-10x10	305	1344	10	10	37 to 1
VAF-US316-12x12	432	1901	12	12	26 to 1
VAF-US316-14x14	522	2295	14	14	26 to 1
VAF-US316-16x16	685	3012	16	16	26 to 1

NOTES:  
Larger sizes available upon request

## STRAINER OPERATION



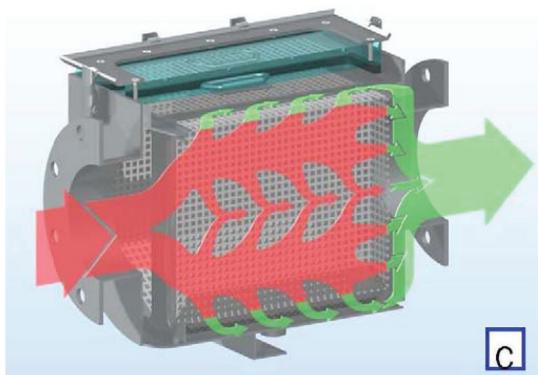
Left picture shows short cycle loading of a typical "pot strainer".



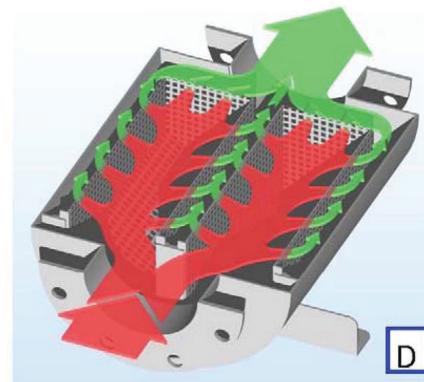
Right picture shows both short cycle loading and the introduction of turbulent flow into the pump volute.

*The ProStrainer® System is a remarkably simple way to provide far more effective straining and much lower operation and maintenance costs.*

Vertical Operating Cross Section



Horizontal Operating Cross Section



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