



# BASKET STRAINER

GPE-CAT-08-03022019 – BASKET STRAINER

**Oil & Gas**

**Refineries**

**Steel**

**Fertilizers**

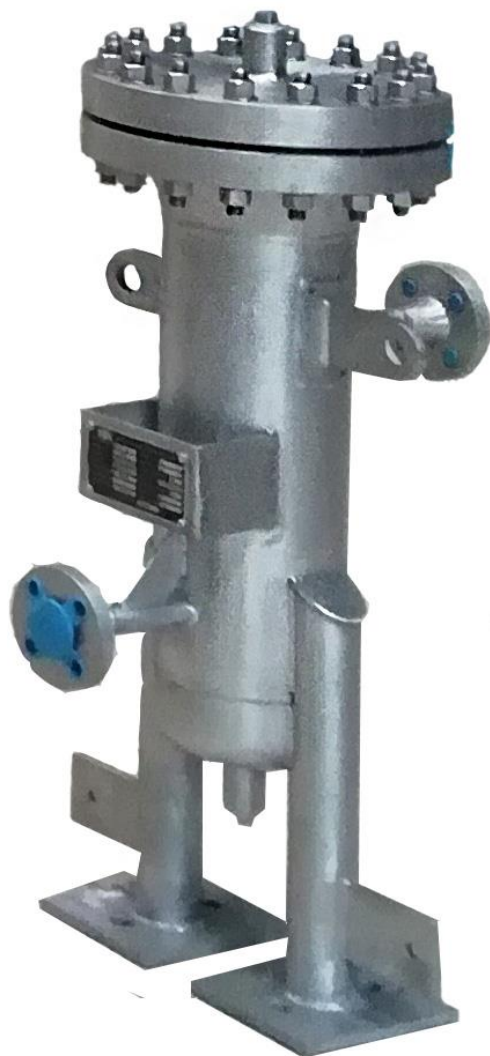
**Power**

## BASKET STRAINER

Basket strainers, used for the protection of pumps, metering systems and valves can be provided with single basket or multiple basket arrangements. They are designed and manufactured to meet ASME Section VIII Div. I code requirements. Baskets can be offered with either straight or slant tops. The strainer vessel is made of fabricated carbon or stainless steel. Inlet and outlet end connections are of flanged (RF / RTJ) type. In addition, vent, drain and safety valve connections of flanged or threaded type can be provided. Pressure rating of 150, 300, 600, 900 and 1500 class is offered.

The screen material for the baskets shall be SS perforated plate along with SS wire mesh (if required). The effective open area ratio will depend on the percentage openings of the perforated plate and wire mesh.

All strainers are provided with body flange on top for removal of loaded baskets. Quick opening coupling can also be provided for easy removal



### MODEL SELECTION CRITERIA

Series		Material		Class		Line Size (Inch)	Cover Type		Perforated Plate (inch)	Wire Mesh (micron)
SB1	In line basket strainer	C	Carbon steel	1	150#	2	B	Bolted	1/8	10
SB2	Offset basket strainer	L	Low temp Carbon Steel	3	300#	4	C	QOC	3/16	20
		S	Stainless Steel 304	6	600#	6	D	Bolted with davit	1/4	30
		T	Stainless Steel 316	9	900#	8			3/8	40
		X	Other		10	Other			50	
							12			60
					14			80		
					16			100		
					18			Other		
					20					

Non-standard strainers can be designed and supplied to order

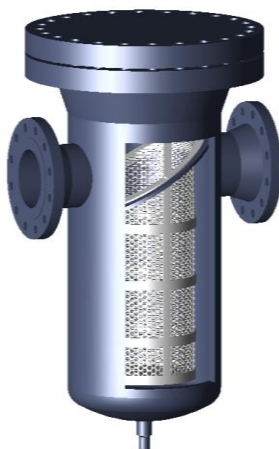


## OPTIONAL FEATURES

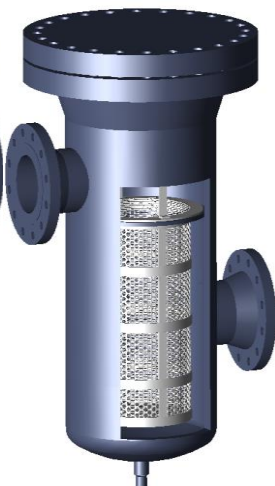
- Full / partial radiography of all butt joints.
- Stage wise / final inspection by TPIA.
- Automatic/manual backwash system.
- Quick opening closure for easy removal
- PVElite Code calculations and fabrication drawings for customer review
- Compliance to NACE MR 0175, NACE MR 0103 and HIC
- Internal painting

## INTERNAL CONSTRUCTION

**IN LINE BASKET STRAINER**

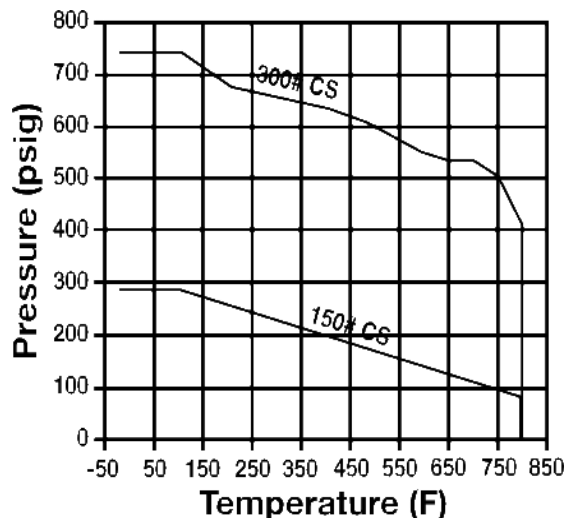


**OFFSET BASKET STRAINER**



## PRESSURE /TEMPERATURE CHART

ASME B16.34



## APPLICATIONS

- Water & Waste Water
- Process Industry
- Chemical Industry
- Power Plants
- Oil & Gas
- Metals & Mining
- Pulp & Paper
- Renewable Energy
- General Industry



## KEY BENEFITS

- Compact as well high capacity units can be provided. Can be designed for a wide range of flows, pressures and temperatures.
- Designed and manufactured as per ASME B31.1, B31.3, B31.4 and ASME Sec VIII, Div. I. Mechanical calculations done using PVElite.
- Compliance of NDT requirements. All WPSs, PQRs prepared as per ASME Sec IX are certified by leading TPIAs.
- Designed to handle corrosive and viscous liquids with optimized pressure drop



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