







BASKET FILTER

GV basket filters are sized and made according to customer specifications. Many materials can be used for their realization such as: Stainless Steel, Carbon Steel and Special Steel (Monel, Duplex, Super Duplex, etc.). We design the most common international standards for design: ASME Sec. VIII, EN13445-3, PED94 / 9. On each filter, various surface treatments can be carried out, such as internal and external painting cycles, passivation and pickling.

Offset basket filters can be equipped with the following optional accessories:

- Valves
- Relative or differential gauges
- Temperature or pressure transmitters
- Visual and acoustic alarms and indicators

OIL & GAS	CHEMICAL & PETROLCHEMICAL	WATER TREATMENT	ENERGY	FOOD & PHARMA	INDUSTRIAL
					



Applications

Oil & Gas

- Refinery Process Fluids

Chemical & Petrolchemical

- Process Fluids

Water Treatment

- Pre-filtration • Industrial Water Filtration • Softening System Protection

Power Generation

- Process Fluids • Gas Separation & Treatment • Water Treatment

Food & Farma

- Pre-Prefiltration

Industrial

- Steel Production • Mechanic Industry • Paper Mills • Textile Industry

Straining Media Selection for Basket

The following is a general guideline of media normally used in various application:

Liquid Turbine Meters	1/8" dia. perforated support with 40 x 40 mesh liner
Gas Turbine Meters and Regulators	1/8" dia. perforated support with 80 x 80 mesh liner
P.D. Meters	1/8" dia. perforated
Centrifugal Pumps	
Service: Crude Oil	1/4" dia. perforated
Refined Products	1/8" dia. perforated
Coke Fines	3/4" flattened expanded metal
Water	1/8" dia. to 3/8" dia perforated
Natural Gas Compressors	Vary by manufacturer recommendations, 1/8" dia. perforated to 50 microns

Strainer Desing and Selection

GV Filtri Fabricated Strainers are manufactured in several styles or types to meet various applications. Strainer type selection should be based upon your requirements. A general guideline as follows:

Application Description or requirement	Style
1. Pumps, Flow Meters, Compressors & Control Valve Protection, Low Pressure Drop, High capacity, Ease of maintenance, Several Option Features.	Vertical Basket
2. Pump Suction & Gas Regulator Protection, Relative Clean product, Very Adaptable to various piping arrangements.	Tee Strainer
3. Pump Suction, HVAC, various types of Water Service, Boiler Feedwater and industrial piping system, relative clean product, blowdown required for basket cleaning.	Y-Strainers

Technical Data

- Construction materials:
 - Carbon steel
 - Stainless steel
 - (other materials available as option)
- Design according to:
 - ASME Sect. VIII Div. 1
 - EN 13445
 - VSR
 - (other calculation code available as option)
- Suitable for filtration of both liquids and gas Gr. 1 and 2
- Conform to 97/23/CE PED Directive
- Conform to 94/9/CE ATEX Directive
- Available with U-Stamp certification
- Top cover closure:
 - ANSI or EN flanges
 - Swing bolts - eye bolts type
 - Swing bolts - Rathmann type
 - Quick opening closure yoke or band-lock type
- Side by side in/out (other nozzles arrangement available as option)
- In/out connections up to 24" (DN 600)
- Flow-rate up to 2500 m3/h
- Perforated plate with wire mesh or wedge-wire basket