

SIMPLEX OIL STRAINERS

Model 125

The Model 125 Simplex Oil Strainer is a heavy-duty single basket strainer for general use. It is suitable for installation in either the suction or discharge line, provided a temporary shut down for cleaning is possible.

- **Special yoke design for quick cleaning**
- **Large basket**

These strainers have been designed for applications where easy maintenance and large capacity straining are required. Service time is minimal because the cover is secured with quick-opening, non-yoke type knobs. Both the cover and basket use O-ring seals, eliminating the need to replace gaskets each time the strainer is serviced. This, combined with the machined basket seat, eliminates particle bypass. With the appropriate wire mesh these strainers can be used to strain particles as small as 5 microns. Strainer bodies and covers are made of cast iron. All sizes feature an O-ring cover seal. Baskets are O-ring sealed in machined seats. Quick release knobs are ductile iron. Studs and nuts are alloy steel. A plugged NPT connection is provided at location "D". The standard basket is 304 stainless steel with .0625" perforation with minimum 6 to 1 open area ratio. Bronze, carbon steel, and stainless steel bodies are also available. Preferred Model 125 Simplex Oil Strainers are available from stock in the sizes listed in the table below. Larger sizes, flanged models, strainers for working pressures over 200 PSIG and a wide selection of special baskets are available on special order. Refer to Engineering Data Section for flow and pressure loss data.

Ordering Information

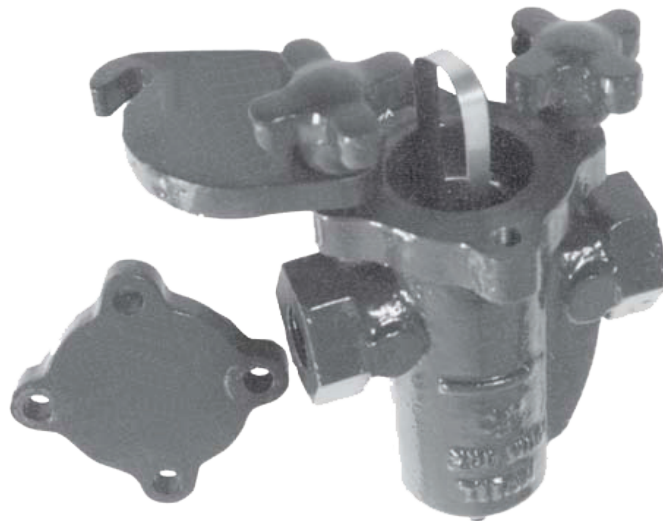
The catalog numbers listed in the table below come standard with 3/64" perforated baskets. Add "M" for 40 mesh baskets or "-100M" for 100 mesh baskets.

Example:

- 13389 — 1/2" pipe with .0625" perf basket
 13389M — 1/2" pipe with 40 mesh basket
 13389-100M — 1/2" pipe with 100 mesh basket

Catalog Number	Pipe Size	A	B	C	D	E	Weight (lbs)
13389	1/2"	4.56	4.00	2.50	3/8" NPT	4.82	5.5
13390	3/4"	4.56	4.00	2.50	3/8" NPT	4.82	5.5
13391	1"	5.31	4.68	2.75	3/8" NPT	5.88	8.0
13392	1 1/4"	6.31	6.50	3.00	1/2" NPT	8.13	15.0
13393	1 1/2"	6.31	6.50	3.00	1/2" NPT	8.13	14.0
13394	2"	8.25	7.88	3.63	3/4" NPT	10.13	27.0
13395	2 1/2"	9.63	8.75	4.00	1" NPT	11.88	36.0

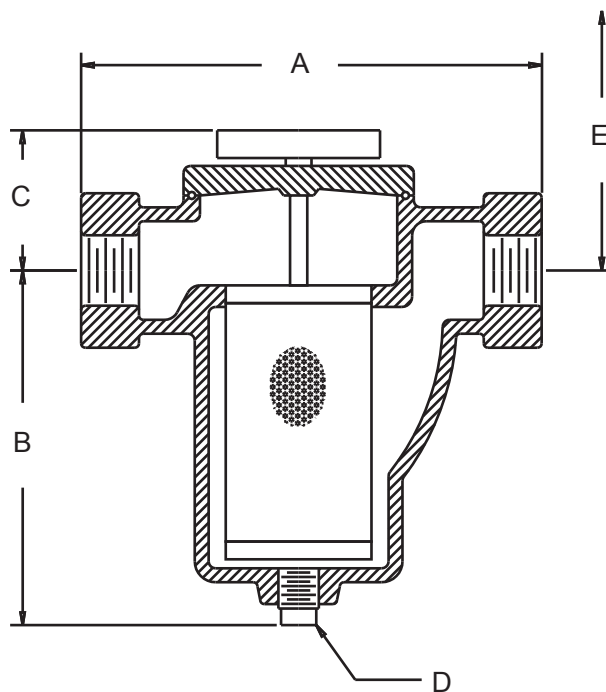
For larger sizes available - consult factory.



Model 125 Simplex Oil Strainer

Suggested Specifications

Oil strainers shall have cast iron body, with threaded connections, sized as shown on the drawings and suitable for working pressures to 200 PSIG. Clamped cover and handle shall permit easy removal of the basket. Basket shall be constructed of (1/16" perforated) (40 mesh) (100 mesh) stainless steel. Strainer shall be Preferred Utilities Mfg. Corp., Danbury, CT, Model 125.



Clearance Dimensions, Simplex Strainers
 "E" Dimension is for basket removal.