

SIMPLEX STRAINER  
IN-LINE MULTI BASKET



1/2" NPT  
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# SIMPLEX STRAINER IN-LINE MULTI BASKET

The Simplex Strainers from FSI are designed and built to the same exacting standards as other FSI vessels. Durable, ASME code construction, an efficient in-line style design, and inlet/outlet ports up to 16" provide the economical solution to most industrial straining requirements. Designed to remove foreign particles as small as XXX microns, typical materials handled include chemicals, resins, latex, paints, petroleum products, inks and water. Typical applications include water and waste treatment industries, power generation plants, and ceramics, marine, paper, pharmaceutical and food industries.

The Simplex Strainers from FSI score high marks in these important areas:

### Free Open Area

This is the ratio of open area through the strainer basket to the cross sectional area of the pipeline. The FSI Simplex Strainers provide a free open area ratio of at least 8:1. Anything less can cause excessive pressure drop.

### Design

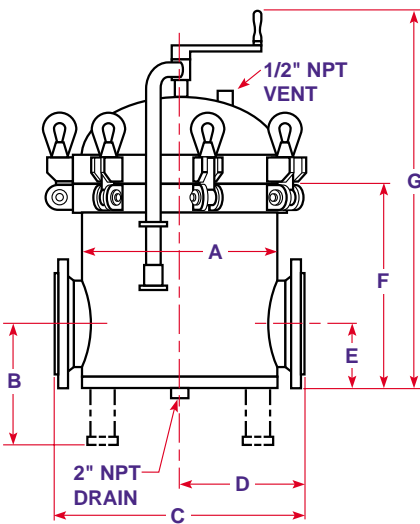
The compact multi-basket design of the Simplex Strainers eliminates tall, awkward-to-remove baskets. Easy to access, the baskets can be easily removed for cleaning without standing on a platform.

### Vessel and Basket Style

FSI manufactures a wide range of perforated or mesh lined baskets. Standard basket material is 304 SS, with 9/64" diameter perforations. Custom sizes and materials, including 316 SS are available to fit your requirements. The in-line style vessel is standard but custom styles are available upon request.

### Additional features -

- 3" to 16" inlet/outlet ports
- Standard models from 6 to 12 strainer baskets, with flow rates up to 6000 gpm
- Strainer baskets can be lined for ratings from 50 to 800 microns
- Gasket materials include BUNA N, EPR, Neoprene and Viton
- Quick opening, swing type head cover.
- Optional hydraulic lid lifter available
- Standard 150 PSI ASME code construction



Strainer Dimensions\*

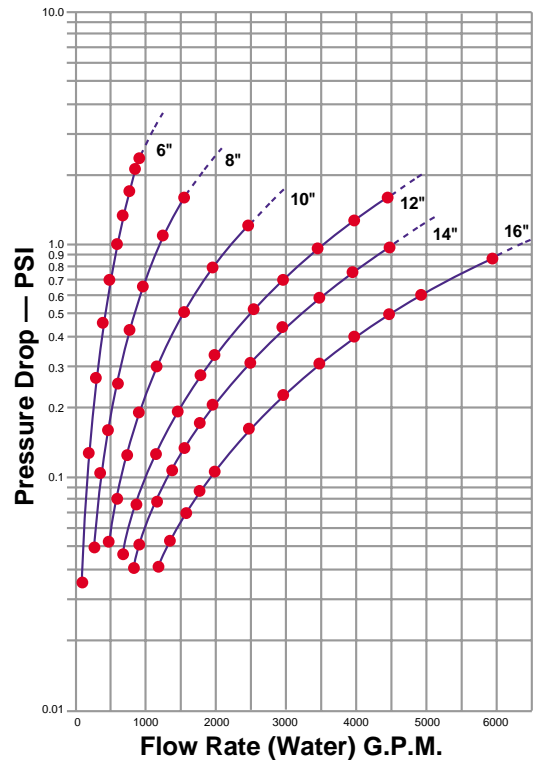
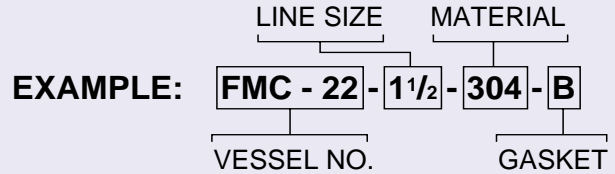
MODEL	A	B**	C	D	E	F	G	Number of Baskets	Open Basket Area <sup>†</sup>	Ratio of Free Area to Pipe Area
BST-538-06-06	18"	11 <sup>1</sup> / <sub>2</sub> "	25 <sup>1</sup> / <sub>2</sub> "	12 <sup>3</sup> / <sub>4</sub> "	5 <sup>1</sup> / <sub>2</sub> "	19"	36 <sup>1</sup> / <sub>4</sub> "	6	538 in <sup>2</sup>	18.6
BST-656-07-08	20"	12 <sup>3</sup> / <sub>4</sub> "	27 <sup>1</sup> / <sub>2</sub> "	13 <sup>3</sup> / <sub>4</sub> "	6 <sup>3</sup> / <sub>4</sub> "	19"	36 <sup>1</sup> / <sub>4</sub> "	7	656 in <sup>2</sup>	13.1
BST-688-08-10	22"	14"	31"	15 <sup>1</sup> / <sub>2</sub> "	8"	23 <sup>7</sup> / <sub>8</sub> "	42 <sup>5</sup> / <sub>8</sub> "	8	688 in <sup>2</sup>	8.7
BST-1215-09-12	24"	15 <sup>1</sup> / <sub>2</sub> "	37"	18 <sup>1</sup> / <sub>2</sub> "	9 <sup>1</sup> / <sub>2</sub> "	28 <sup>5</sup> / <sub>8</sub> "	47 <sup>5</sup> / <sub>8</sub> "	9	1215 in <sup>2</sup>	10.9
BST-1588-11-14	28"	16 <sup>1</sup> / <sub>2</sub> "	43"	21 <sup>1</sup> / <sub>2</sub> "	10 <sup>1</sup> / <sub>2</sub> "	32"	52"	11	1588 in <sup>2</sup>	10.3
BST-1774-12-16	28"	17 <sup>3</sup> / <sub>4</sub> "	42"	21"	11 <sup>3</sup> / <sub>4</sub> "	28 <sup>7</sup> / <sub>8</sub> "	49 <sup>5</sup> / <sub>8</sub> "	12	1774 in <sup>2</sup>	8.8

\*Dimensions are for reference only.  
\*\*May vary to customer specification.

<sup>†</sup>Calculated on the basis of 50% open area of basket material.  
All standard strainers produce a pressure drop of no more than 2 PSI clean, based on water flow.

### How to Order

FSI Basket Strainers may be ordered by specifying a simple stock number.



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