SERIES 20 FLANGE MOUNT SAFETY SCREEN

The Lee Company's Series 20 Safety Screens integrate the next level of fine filtration into a rugged, compact, flange mount design. With a nominal hole size rating of 20 microns, these safety screens provide protection for critical components with even the smallest of flow passageways and clearances.

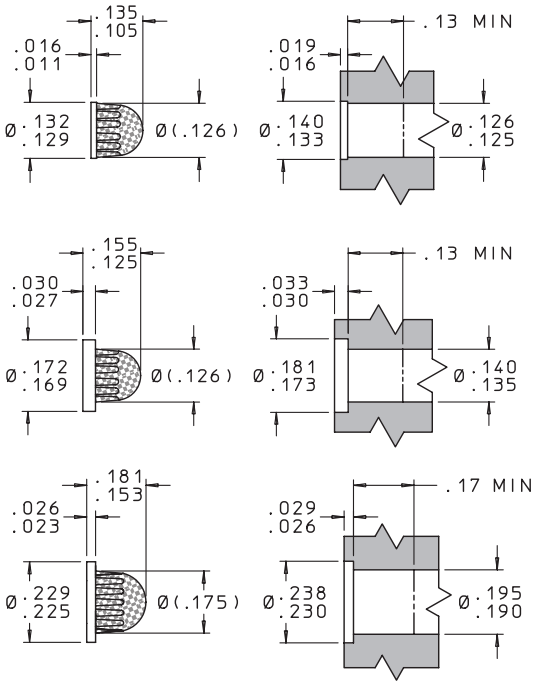
Lee Series 20 Safety Screens are incredibly robust considering their fine filtration rating. These screens incorporate a rugged, calendered, and sintered 316L stainless steel wire mesh weave for maximum strength. Manufactured using a proprietary process, Lee Series 20 Safety Screens feature a seamless, one-piece design that contains radial convolutions that greatly increase the contamination carrying capacity of the screen. The result is a high strength screen with an optimum amount of protection, in a small package.

Eight economical and versatile Series 20 Safety Screen designs are available, ranging in size from 0.130 to 0.656 of an inch in diameter. All Lee Safety Screens are precision cleaned and packaged before shipment.

Special designs are available upon request. Contact your Lee Technical Sales Engineer for additional information and technical assistance.

- 20 micron hole size rating
- 316L stainless steel construction
- Strong, seamless, one-piece screen element
- Maximum protection, high contamination carrying design
- Eight sizes for design flexibility
- Precision cleaned and packaged

MATERIALS		
PART	MATERIAL	SPECIFICATION
Screen	316L CRES	ASTM A 478-97
Base Washer	316L CRES	ASTM A 666 or AMS 5653
Braze	Silver Alloy	AMS 4765



130 FLANGE MOUNT SCREEN

LEE PART NUMBER	HOLE SIZE* in.	HOLE SIZE* µm	OPEN AREA in.²	TOTAL AREA in.²	NUMBER OF HOLES	LOHM** RATE (nom.)	BURST PRESSURE psid (min.)	COLLAPSE PRESSURE psid (min.)	ROB*** NUMBER
FSFA1300200A	0.0008	20	0.005	0.062	5000	450	2000	1100	0.04

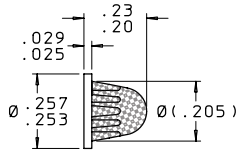
170 FLANGE MOUNT SCREEN

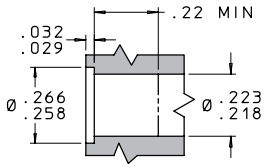
LEE PART NUMBER	HOLE SIZE* in.	HOLE SIZE* µm	OPEN AREA in.²	TOTAL AREA in.²	NUMBER OF HOLES	LOHM** RATE (nom.)	BURST PRESSURE psid (min.)	COLLAPSE PRESSURE psid (min.)	ROB*** NUMBER
FSFA1700200A	0.0008	20	0.005	0.062	5000	450	2000	1100	0.04

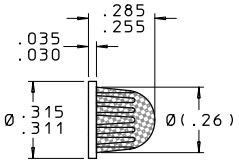
230 FLANGE MOUNT SCREEN

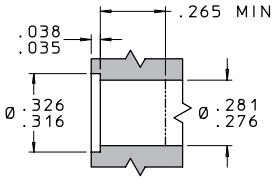
LEE PART NUMBER	HOLE SIZE* in.	HOLE SIZE* µm	OPEN AREA in.²	TOTAL AREA in.²	NUMBER OF HOLES	LOHM** RATE (nom.)	BURST PRESSURE psid (min.)	COLLAPSE PRESSURE psid (min.)	ROB*** NUMBER
FSFA2300200A	0.0008	20	0.007	0.098	7900	200	1200	600	0.06

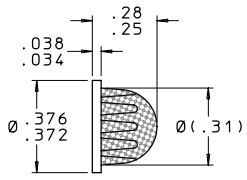
SERIES 20 FLANGE MOUNT SAFETY SCREEN

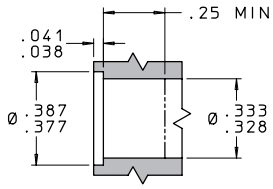


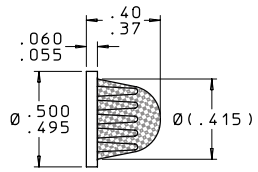


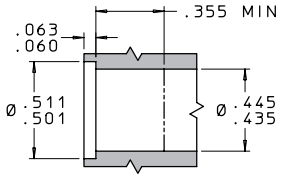


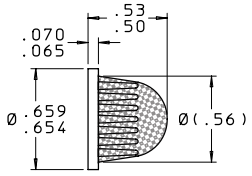


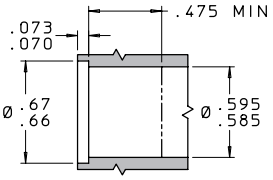












255 FLANGE MOUNT SCREEN

LEE PART NUMBER	HOLE SIZE* in.	HOLE SIZE* µm	OPEN AREA in.²	TOTAL AREA in.²	NUMBER OF HOLES	LOHM** RATE (nom.)	BURST PRESSURE psid (min.)	COLLAPSE PRESSURE psid (min.)	ROB*** NUMBER
FSFA2550200A	0.0008	20	0.013	0.173	14,000	120	1100	400	0.10

312 FLANGE MOUNT SCREEN

LEE PART NUMBER	HOLE SIZE* in.	HOLE SIZE* µm	OPEN AREA in.²	TOTAL AREA in.²	NUMBER OF HOLES	LOHM** RATE (nom.)	BURST PRESSURE psid (min.)	COLLAPSE PRESSURE psid (min.)	ROB*** NUMBER
FSFA3120200A	0.0008	20	0.021	0.278	22,500	80	1000	350	0.16

375 FLANGE MOUNT SCREEN

LEE PART NUMBER	HOLE SIZE* in.	HOLE SIZE* µm	OPEN AREA in.²	TOTAL AREA in.²	NUMBER OF HOLES	LOHM** RATE (nom.)	BURST PRESSURE psid (min.)	COLLAPSE PRESSURE psid (min.)	ROB*** NUMBER
FSFA3750200A	0.0008	20	0.023	0.300	24,100	50	700	300	0.18

500 FLANGE MOUNT SCREEN

LEE PART NUMBER	HOLE SIZE* in.	HOLE SIZE* µm	OPEN AREA in.²	TOTAL AREA in.²	NUMBER OF HOLES	LOHM** RATE (nom.)	BURST PRESSURE psid (min.)	COLLAPSE PRESSURE psid (min.)	ROB*** NUMBER
FSFA5000200A	0.0008	20	0.042	0.561	45,200	30	500	150	0.33

656 FLANGE MOUNT SCREEN

LEE PART NUMBER	HOLE SIZE* in.	HOLE SIZE* µm	OPEN AREA in.²	TOTAL AREA in.²	NUMBER OF HOLES	LOHM** RATE (nom.)	BURST PRESSURE psid (min.)	COLLAPSE PRESSURE psid (min.)	ROB*** NUMBER
FSFA6560200A	0.0008	20	0.092	1.227	99,000	13	450	100	0.72

* *Due to the fine micron rating of these safety screens, adequate system filtration must be provided to prevent premature clogging. Also, the screen installation method needs to be chosen to avoid contamination from bypassing the installed screen.*

** *The Lohm is a measure of flow resistance.*
Example: One Lohm will permit a flow of 100 GPM of water at 25 psid at 80°F.

*** *The ROB (Resistance to Blockage) factor is a system of rating the relative resistance to blockage of safety screens. The higher the ROB number, the more resistance to blockage.*

Additional information can be found at www.TheLeeCo.com or by contacting your local Lee Sales Engineer.

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