

Mueller Steam Specialty

Models: 11-M, 11-MFCB, 11-BC

WORKING PRESSURES - NON-SHOCK

ANSI 250lb. Class	400 PSI @ 150°F
	250 PSI @ 406°F

Self Cleaning "Y" Type Screwed End Strainers

Class 250



Model 11M



Model 11MFCB



Model 11BC

SERVICE RECOMMENDATIONS

Used extensively to strain foreign matter from pipe lines and provide inexpensive protection for costly pumps, meters, valves and other similar mechanical equipment. The 11-MFCB features a bronze, straight threaded and gasketed cap which can be removed for cleaning. The 11-BC provides the same features with a bolted cover. The 11-MFCB is available in sizes through 2" and the 11-BC is stocked in 2", 2-1/2", 3" and 4" sizes.

SCREENS

20 mesh stainless steel screens (1/32" openings) usually furnished in all sizes through 2" for water service and 30 mesh (1/50" openings) for steam service in those sizes. The 2-1/2" and 3" strainers are furnished with perforated stainless steel screens, 3/64" openings for steam and 1/16" openings for water. The 11-MFCB supplied with 20 mesh stainless steel screens for water service and 30 mesh for steam service. The 11-BC is normally supplied in all sizes with perforated stainless steel screens, 3/64" openings for steam and 1/16" for water. A large variety of perforated metals and wire mesh screens other than those normally furnished are available. See page B-4.

CONSTRUCTION

All sizes feature a machined seat in the body, designed to make the screen self aligning and at the same time holding the screen securely in place by a straight threaded and gasketed cap.

FEATURES

The machined seats in both the body and cap allow easy assembly and disassembly. The alternative is a strainer which employs a pipe bushing to lock the screen in place which will likely deform the screen, allowing sediment to bypass the strainer.

SELF CLEANING

Self cleaning is accomplished by opening the valve or plug connected to the blowoff outlet.

BLOWOFF OUTLETS

Tapped NPT, sizes specified on page C-5. Not normally furnished plugged.

CAPACITY

Generously proportioned bodies, with screens that have an open area many times greater than the corresponding pipe size, ensure low pressure loss.

PRESSURE DROP: See charts on page C-2.

GALVANIZED STRAINERS: Available from stock in all sizes.

INDIVIDUALLY HYDROSTATICALLY TESTED.

MATERIAL: Cast Iron ASTM A126 Class B
Gasket: Metal filled Grafoil

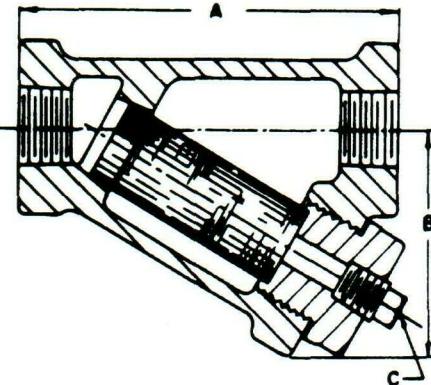


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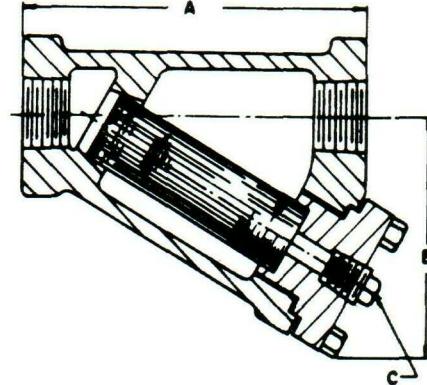
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Dimensions and Weights



Model 11M, 11MFCB



Model 11BC

SIZE		in	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
		mm	6	10	15	20	25	32	40	50	65	80	100
A	11-M	in	3-3/16	3-3/16	3-3/16	3-3/4	4	5	5-3/4	7	9-1/4	10	
		mm	81	81	81	95	102	127	146	177	234	254	
	11-MFCB	in			3-3/16	3-3/4	4	5	5-3/4	7			
B		mm			81	95	102	127	146	177			
	11-BC	in									7-13/16	12	12
		mm									198	304	304
C	11-M	in	2-1/16	2-1/16	2-1/16	2-7/16	2-5/8	3-3/8	3-7/8	4-3/4	5-7/8	6	
		mm	52	52	52	61	66	85	98	121	149	152	
	11-MFCB	in			2-1/16	2-7/16	2-5/8	3-3/8	3-7/8	4-3/4			
D		mm			52	61	66	85	98	121			
	11-BC	in									6	8-3/4	8-3/4
		mm									152	222	222
E	11-M	in	1/4	1/4	1/4	3/8	3/8	3/4	3/4	1	1-1/2	1-1/2	
		mm	6	6	6	10	10	20	20	25	40	40	
	11-MFCB	in			1/4	3/8	3/8	3/4	3/4	1			
F		mm			6	10	10	20	20	25			
	11-BC	in									1	1-1/4	1-1/4
		mm									25	32	32
WEIGHTS													
G	11-M	lb	1.6	1.6	1.6	2.4	3	5.2	8	12.5	22	30	
		kg	.72	.72	.72	1.08	1.36	2.3	3.6	5.7	10	13.6	
	11-MFCB	lb			1.6	2.4	3	5.2	8				
H		kg			.72	1.08	1.36	2.3	3.6				
	11-BC	lb								16	47	47	
		kg								7.2	21	21	

Approximate Dimensions and Weights. Apply For Certified Drawings.



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The Way You Need It, When You Need It, That's Our Specialty

C5

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Strainer Selector

This chart was designed to help in the quick selection of strainers. It does not include all of the possible combinations of materials which we can make available. Pressure-temperature ratings which do not comply with ANSI ratings are shown at the end of the bar in the graph below. Refer to the section listed below for detailed pressure-temperature information for each strainer.

Body Material	End Conn.	Type	Sizes	Model Number	ANSI Class	Steam Working Pressure (SWP)										Section	
						0	60	125	150	200	250	300	600	900	1500	2500	
Cast Iron	Screwed	Y	1/4-3	11M	250												C
	Screwed	Y	2-4	11BC	250												C
	Screwed	Y	1/2-3	11MFCB	250												C
	Flanged	Y	3/4-24	758	125												C
	Flanged	Y	2-1/2-12	911	125												F
	Screwed	Basket	3/8-3	125	125												D
	Flanged	Basket	1-8	125F	125												D
	Flanged	Basket	2-16	155	-												D
	Flanged	Basket	2-24	165	125												D
	Flanged	Basket	2-16	166	250												D
	Flanged	Basket	3/4-18	195	125												D
	Flanged	Basket	1-1/2-18	195SW	125												D
	Flanged	Basket	4-12	595	125												F
	Flanged	Meter	3-8	625	125												F
Ductile Iron	Screwed	Duplex	3/4-3	791S													E
	Flanged	Duplex	8-16	691F	125												E
	Flanged	Suc. Dif	2-18	1011	125												F
	Screwed	Y	1/4-3	251DI	300												C
Bronze	Grooved	Y	2-12	758G	-												C
	Grooved	Suc. Dif	2-12	1011G	-												F
	Flanged	Suc. Dif	2-12	1012	-												F
	Screwed	Y	1/4-3	351M	150												C
Bronze	Screwed	Y	1/4-3	352M	250												C
	Sil-Braze	Y	1/4-4	352-1/2	-												C
	Solder	Y	1/4-3	353-1/2M	150												C
	Flanged	Y	1/2-12	851	150												C
	Flanged	Y	1/2-12	852	300												C
	Screwed	Basket	3/8-3	125B	150												D
	Flanged	Basket	1-8	125FB	150												D
	Flanged	Basket	2-12	165B	150												D
	Flanged	Basket	2-12	166B	300												D
	Flanged	Basket	3/4-12	195-B	150												D
	Flanged	Basket	1-1/2-12	195BSW	150												D
	Flanged	Meter	1-1/2-8	625B	150												F
	Screwed	Duplex	3/4-6	792S	-												E
	Flanged	Duplex	8-16	692F	-												E



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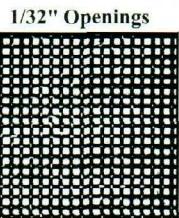
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B7

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Wire Mesh & Perforated Metals

We Stock Many Perforations Other Than Those Illustrated.



20 Mesh
(52% Open Area)
.014 Wire Dia



30 Mesh
(41% Open Area)
.012 Wire Dia



40 Mesh
(36% Open Area)
.010 Wire Dia



60 Mesh
(30.5% Open Area)
.0075 Wire Dia

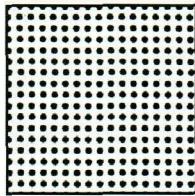


80 Mesh
(31.4% Open Area)
.0055 Wire Dia

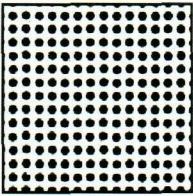


100 Mesh
(30.3% Open Area)
.0045 Wire Dia

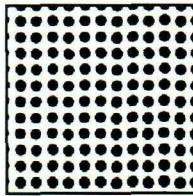
Wire Cloth Finer Than 100 Mesh Is Available - Upon Application



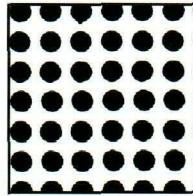
.033 Dia (1/32")
324 Holes/Sq in.
28% Open Area



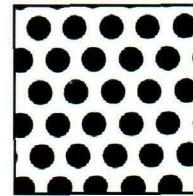
.045 Dia (3/64")
225 Holes/Sq in.
36% Open Area



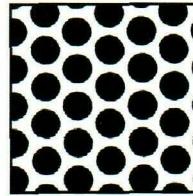
.062 Dia (1/16")
132 Holes/Sq in.
37% Open Area



.100 Dia
49 Holes/Sq in.
39% Open Area

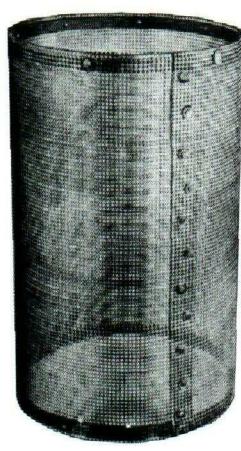


.125 Dia
32 Holes/Sq in.
40% Open Area



.156 Dia
33 Holes/Sq in.
62% Open Area

SCREENS FOR "Y" STRAINERS BOTH *SCREWED AND FLANGED

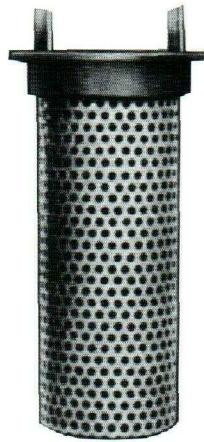


PERFORATED METAL
SPOT WELDED
OR RIVETED SEAMS



PERFORATED METAL
LINED WITH WIRE MESH

BASKETS FOR #125 AND #195 STRAINERS



PERFORATED METAL
SPOT WELDED
OR RIVETED SEAMS

BASKETS FOR #155, 165, 166, 185, & 186 STRAINERS



PERFORATED METAL
LINED WITH WIRE MESH

*#11 Screwed Strainers up to 2" Size Normally Furnished with 20 Mesh Screens.



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Standard Terms & Conditions

1. General

- A. Written quotations are firm for a period of thirty days after date unless cancelled by the seller in writing prior to acceptance by the purchaser. Verbal quotations are subject to acceptance within 24 hours unless within that period they are confirmed in writing by the seller. Stenographic and clerical errors are subject to correction.
- B. All orders resulting from written or verbal quotations or from published price lists or literature are subject to written acceptance by an authorized individual at our office in St. Pauls, N.C.
- C. Quotations are made and orders will be accepted on a firm price basis, provided the orders are released and scheduled for shipment within a period of 5 months after the date of the order. Orders released for shipment longer than 5 months from the inception date are subject to the prices in effect on the date of shipment.
- D. Contracts or orders having penalty clauses for failure to meet shipment are not acceptable unless specifically approved in writing by an authorized individual at our office in St. Pauls, N.C.
- E. Delivery promises are based on conditions at the time of quoting and are subject to change for causes beyond the seller's control. Under no circumstance will the seller be liable for consequential damages due to failure to fulfill a delivery promise.
- F. All quotations are subject to an increase equal in amount of tax that the seller may be required to collect or pay upon the sale of the material quoted.
- G. We reserve the right to alter dimensions without notice. Send for certified drawings.
- H. Non-standard, special, and fabricated orders cannot be cancelled after acceptance by seller unless agreed upon in writing by the seller and the buyer shall be liable for up to the full purchase price in any stage of completion.
- I. The buyer shall be responsible to provide the seller with all specifications, drawings, and other data pertinent to use and acceptance of the product(s) prior to acceptance of the order by the seller. Acceptance of any changes as offered by the seller or as requested by the buyer must be in writing by the buyer before work can begin. The seller will not be responsible for any incidental or consequential damages resulting from compliant or non compliant product.

2. Warranty

Seller warrants each of the products and parts sold hereunder, under normal use and service, and subject to user's compliance

with any operation instructions and other directions given by seller, to be free from defects in materials or workmanship for a period of one year from date of shipment from the seller's plant. Seller's liability under this warranty shall be limited, at seller's option, to repairing or replacing any such defective products F.O.B. seller's plant, St. Pauls, North Carolina, and reimbursing purchaser's shipping costs, subject to the following: (1) timely receipt of purchaser's written notice that such products are defective, (2) seller's written authorization to purchaser for the return of such products, (3) the return of such products to seller with shipping charges prepaid and (4) seller's inspection of and confirmation that such products are defective in materials or workmanship. If seller's inspection shows that the products returned are defective due to dirt, rust, or any foreign material not attributable to seller, improper usage, over tightening on thread, abuse or incorrect reassembly in the field or other cause not due to seller's improper manufacture, seller will, subject to purchaser's written authorization, repair or replace such products at cost. Seller's factory inspection and testing reports will be made available to purchaser upon request.

THIS WARRANTY IS IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY. SELLER SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES. NO REPRESENTATIVE OR SELLER HAS AUTHORITY TO MAKE ANY REPRESENTATIONS OR WARRANTIES EXCEPT AS STATED HEREIN.



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