

Spec Sect 02594.3

#2.07

BSR 1185

MUELLER STEAM SPECIALTY

DIVISION OF CORE INDUSTRIES INC.

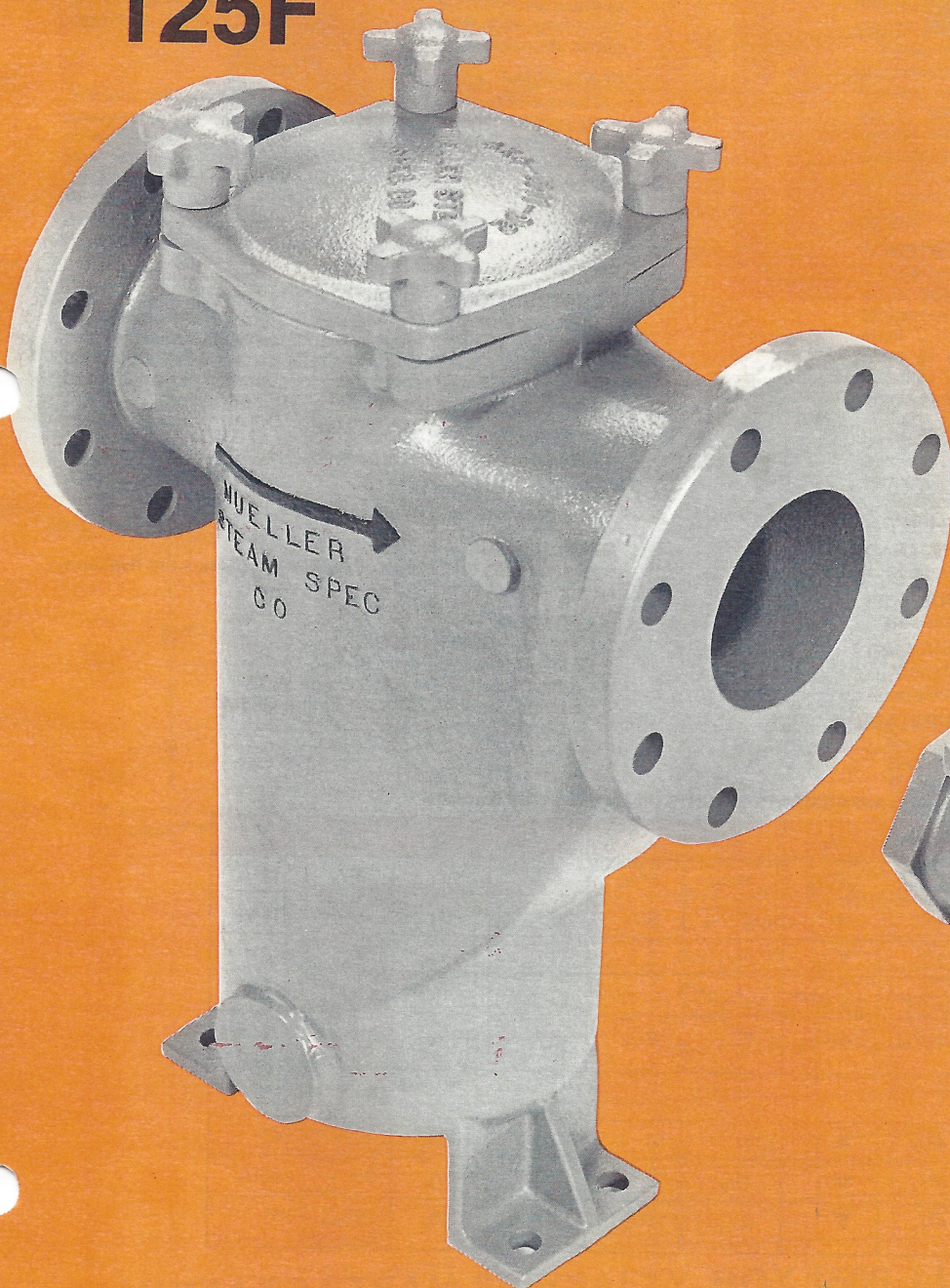
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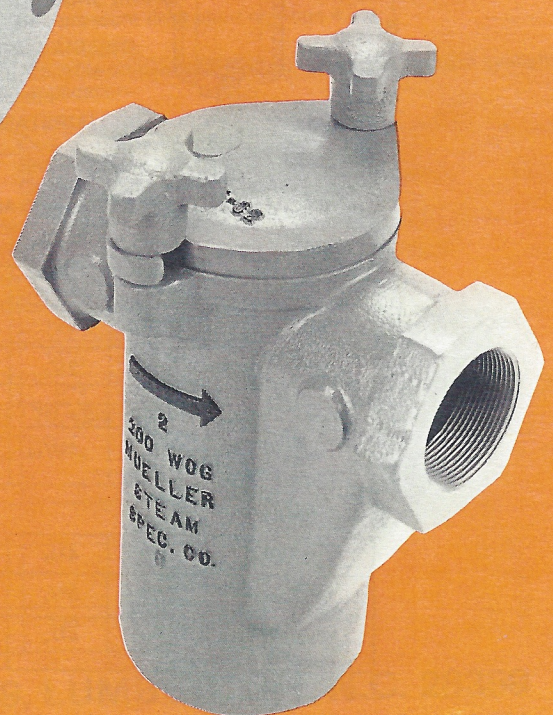
BASKET STRAINER

NEW!

125F



125





- 125 Cast Iron
- 125-B Bronze
- 125-CS Carbon Steel
- 125-SS Stainless Steel

Pressure-Temperature Rating

Cast Iron	200 p.s.i. — WOG
Bronze	225 p.s.i. — WOG
Carbon Steel	285 p.s.i. — WOG
Stainless Steel	275 p.s.i. — WOG

SERVICE RECOMMENDATIONS:

These strainers are used to strain foreign matter from pipe lines and provide inexpensive protection for costly pumps, meters, valves and similar mechanical equipment. They are available in a variety of materials other than those listed below. In the appropriate material the 125 can be specified for drinking water, cooling water, hot water systems, sea water. Just a few of the applications in the chemical process industry are: brine, paint, heat exchangers, condensers, fuel oil, organic and inorganic chemicals.

FEATURES:

These strainers have been designed for applications where easy maintenance and large capacity straining are needed. 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.

CONSTRUCTION:

Cast body and cover. All sizes feature 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 .057" perforation.

CAPACITY:

Minimum 6 to 1 open area ratio.

PRESSURE DROP:

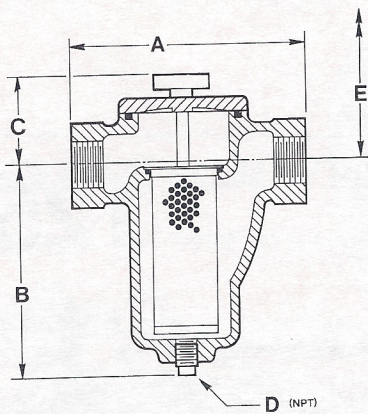
See pressure drop chart on page 4.

GALVANIZING:

Available on cast iron models. Other coatings are available on application.

MATERIALS:

- Cast Iron ASTM A126-B
- Bronze ASTM B62 (type 85-5-5-5)
- Carbon Steel ASTM A216 Grade WCB
- Stainless Steel ASTM A351 Grade CF8M



DIMENSIONS AND APPROXIMATE WEIGHTS (Apply for certified drawings)

SIZE	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
"A"	4 ⁹ / ₁₆	4 ⁹ / ₁₆	4 ⁹ / ₁₆	5 ⁵ / ₁₆	6 ⁵ / ₁₆	6 ⁵ / ₁₆	8 ¹ / ₄	9 ⁵ / ₈	11 ¹ / ₄
"B"	4	4	4	4 ¹¹ / ₁₆	6 ¹ / ₂	6 ¹ / ₂	7 ⁷ / ₈	8 ³ / ₄	11 ³ / ₈
"C"	2 ¹ / ₂	2 ¹ / ₂	2 ¹ / ₂	2 ³ / ₄	3	3	3 ⁵ / ₈	4	4 ¹ / ₂
"D"	3/8" NPT	3/8" NPT	3/8" NPT	3/8" NPT	1/2" NPT	1/2" NPT	3/4" NPT	1" NPT	1" NPT
"E" Screen Removal	4 ¹³ / ₁₆	4 ¹³ / ₁₆	4 ¹³ / ₁₆	5 ⁷ / ₈	8 ¹ / ₈	8 ¹ / ₈	10 ¹ / ₈	11 ⁷ / ₁₆	14 ¹³ / ₁₆
Weights (lb.)									
Cast Iron	4 ³ / ₄	4 ³ / ₄	4	6	10	10	19 ¹ / ₂	28 ¹ / ₂	47
Bronze	5 ¹ / ₄	5 ¹ / ₄	5 ¹ / ₄	7 ³ / ₄	12 ¹ / ₂	12 ¹ / ₂	24 ¹ / ₂	36 ¹ / ₂	55 ¹ / ₂
Carbon Steel & SS	4 ³ / ₄	4 ³ / ₄	5	6 ¹ / ₂	11 ¹ / ₂	11 ¹ / ₂	22 ³ / ₄	33 ³ / ₄	51

→ **125F Cast Iron**
125F-B Bronze
125F-CS Carbon Steel
125F-SS Stainless Steel

Pressure-Temperature Rating

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Stainless Steel	275 p.s.i. — WOG

SERVICE RECOMMENDATIONS:

These strainers are used to strain foreign matter from pipe lines and provide inexpensive protection for costly pumps, meters, valves and similar mechanical equipment. They are available in a variety of materials other than those listed below. In the appropriate material the 125F can be specified for drinking water, cooling water, hot water systems, sea water. Just a few of the applications in the chemical process industry are: brine, paint, heat exchangers, condensers, fuel oil, organic and inorganic chemicals.

FEATURES:

These strainers have been designed for applications where easy maintenance and large capacity straining are needed. 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.

CONSTRUCTION:

Cast body with cast or plate cover. All sizes feature O-ring cover seals. Baskets are O-ring sealed in machined seats. Quick release knobs are ductile iron. Studs and nuts are alloy steel. Ductile iron swing clamps are available on request for sizes 4" and up. A plugged NPT connection is provided at location "D". Floor supports with bolting holes are provided on sizes 4" and larger.

Sizes 1" through 4" have .057" perforated stainless steel baskets. Sizes 5" and larger have 1/8" perforated stainless steel baskets. Other perforations and materials are available on request.

SWING CLAMPS are available on sizes 4" and larger. Consult factory for recommended applications.

CAPACITY:

Minimum 6 to 1 ratio

PRESSURE DROP:

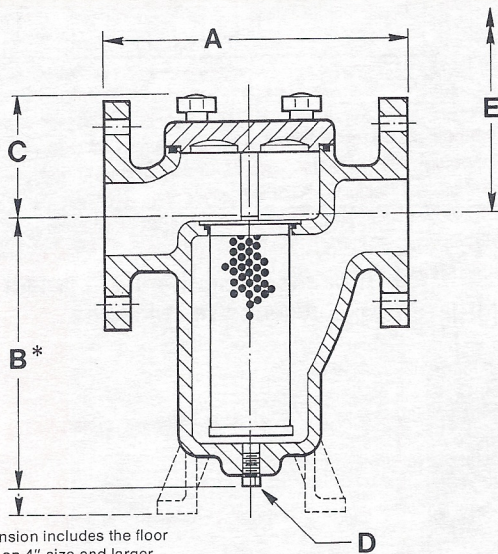
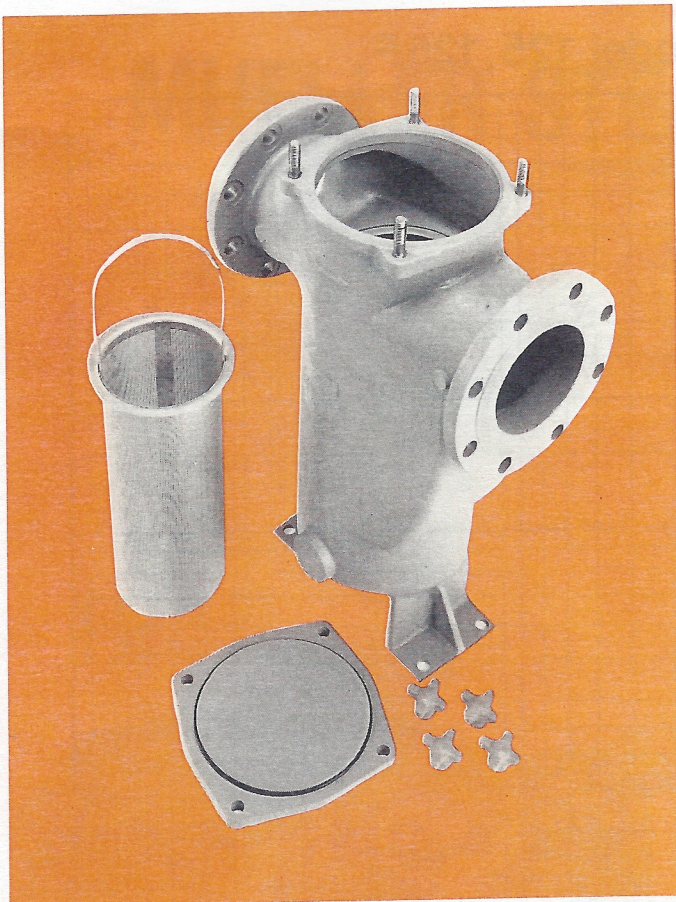
See pressure drop chart on page 4.

GALVANIZING:

Available on cast iron models. Other coatings are available on application.

MATERIALS:

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- Bronze ASTM B62 (type 85-5-5)**
- Carbon Steel ASTM A216 Grade WCB**
- Stainless Steel ASTM A351 Grade CF8M**

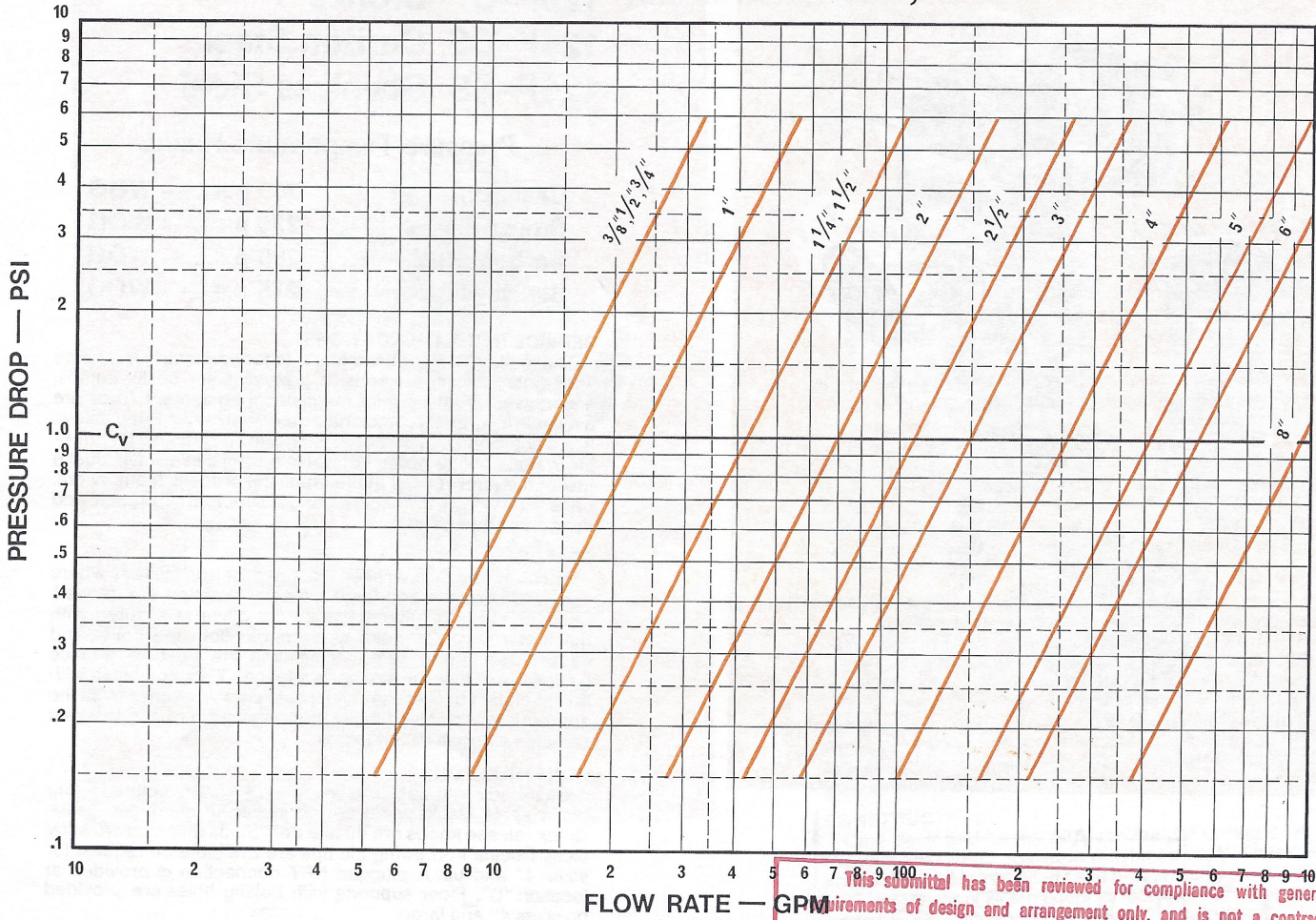


* "B" dimension includes the floor supports on 4" size and larger.

DIMENSIONS AND APPROXIMATE WEIGHTS (Apply for certified drawings)

SIZE	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"
A	5 11/16	6 15/16	6 15/16	9	10 3/8	11 3/4	15	18 3/8	20 1/4	27 3/8
B*	4 11/16	6 1/2	6 1/2	7 7/8	8 3/4	11 3/8	15 7/8	18 3/8	22 3/8	27 3/4
C	2 3/4	3	3	3 5/8	4	4 1/2	5 3/4	7 7/16	8 3/16	9 3/16
D	3/8" NPT	1/2" NPT	1/2" NPT	3/4" NPT	1" NPT	1" NPT	1 1/2" NPT	1 1/2" NPT	2" NPT	2" NPT
E	5 7/8	8 1/8	8 1/8	10 1/8	11 7/16	14 13/16	19 7/8	25 9/16	29 1/8	37 1/8
Weights										
Cast Iron	9	15	15	26	38	62	118	170	266	518
Bronze	11	18	18	31	45	72	147	210	315	553
Carbon Stl. & SS	10	16	16	25	41	65	135	190	270	497

Basket Strainer Model 125, 125F

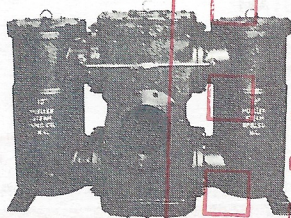
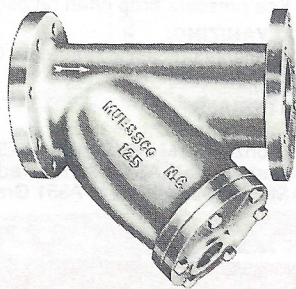
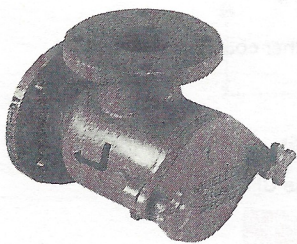


MUELLER STEAM SPECIALTY PIPELINE PRODUCTS

SUCTION DIFFUSERS

“Y” TYPE STRAINERS

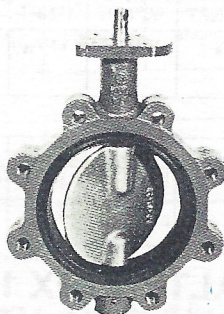
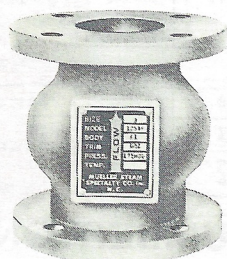
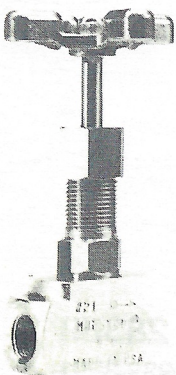
DUPLEX STRAINERS



NEEDLE VALVES

SILENT CHECK VALVES

BUTTERFLY VALVES



This submittal has been reviewed for compliance with general requirements of design and arrangement only, and is not a contract document and acknowledgement of compliance does not relieve Contractor of responsibility for performance of the work, in compliance with all provisions and requirements of the Contract documents. Job measurements and coordination of all dimensions for proper fit of all parts of the work and performance of all equipment supplied to meet specification requirements are and remain a specific responsibility of the Contractor. Compliance acknowledged subject to the foregoing; distribute

For more information contact the Representative below:

Compliance acknowledged as noted and subject to the foregoing; distribute
 Compliance acknowledged as noted and subject to the foregoing; distribute
 Compliance acknowledged as noted and subject to the foregoing; Revise and resubmit for record; distribute.

Bovay Northwest Inc.

By SSS Date 7-9-87

MUELLER STEAM SPECIALTY

DIVISION OF CORE INDUSTRIES INC.

Box 1569, 901 Carolina Ave.
Lumberton, N.C. 28359

Phone: 919-738-8241

TWX 510-939-3591