

Engineering Specification

Job Name _____

Contractor _____

Job Location _____

Approval _____

Engineer _____

Contractor's P.O. No. _____

Approval _____

Representative _____

Aluminum Bronze Flanged End Basket Strainers

Models: 165-B, Al-Brz, Class 150
166-B, Al-Brz, Class 300

Sizes: 2"– 12" (50 – 300mm)

Strainers provide economical protection for costly pumps, meters, valves, and other similar mechanical equipment by straining foreign matter from the connected piping system. Installation of a strainer before mechanical equipment can ensure trouble free service and avoid costly shutdowns for repair or replacement of equipment damaged by foreign matter. The size of the perforation or mesh in the basket screen will determine the smallest particles captured. See Strainer Information section of Mueller Steam Specialty Engineering binder for detailed information including sizes and materials available.

Service Recommendations

- These strainers can be specified for cooling water, seawater, hot water systems and more.
- They are especially suited for medium or coarse straining. For finer straining, see Model 125.

Features

- The angular cutaway design of the baskets allows a straight through flow, resulting in extremely low pressure drop.
- Tapped and plugged NPT drain on the strainer bottom enables easy self-cleaning on open bottom baskets. Simply open the valve or plug on the outlet to flush accumulated particles.
- Bodies can be tapped for pressure gauges, or per customer requirement. Consult factory.

Construction

- Cover is a flanged bolted design for easy basket removal.

Capacity

Minimum 6 to 1 ratio.



Models 165-B, 166-B

Pressure/Temperature–Non-Shock

Model	Material	Rating
165B	Al-Brz	195psi @ -20°F to 100°F, 13.4 bar @ 37.7°C
		170psi @ 400°F, 11.7 bar @ 204.4°C
166B	Al-Brz	515psi @ -20°F to 100°F, 35.5 bar @ 37.7°C
		440psi @ 350°F, 30.3 bar @ 176.67°C

Max. temp. can be limited by gasket material. Consult factory.

NOTICE

The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.

Mueller Steam Specialty product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Mueller Steam Specialty Technical Service. Mueller Steam Specialty reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Mueller Steam Specialty products previously or subsequently sold.

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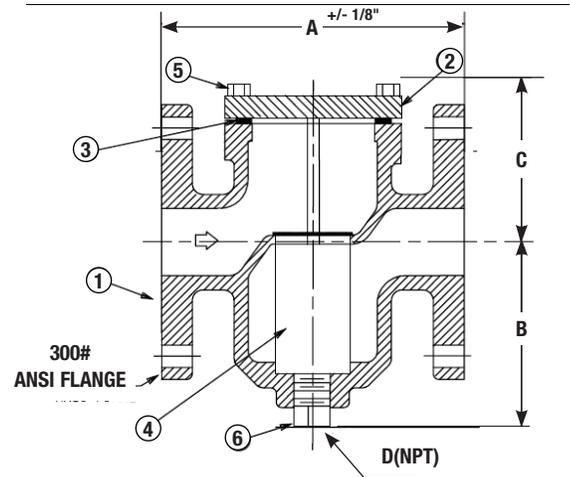
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Baskets

		STANDARD (Water)		STEAM RECOMENDATION	
MODEL	SIZES	MATERIAL	OPENING	MATERIAL	OPENING
165-B, 166-B	2" - 4"	304SS	.062 perf	304SS	.045 perf
165-B, 166-B	5" & Up	304SS	.125 perf	Consult Factory	

Materials

NO	PART	MATERIAL
1	Body	Cast Bronze ASTM B-148
2	Cover	Cast Bronze ASTM B-148
3	Gasket	Non-Asbestos
4	Basket	ST STL ASTM-A240 304
5	Hex Head, Cap Screws	Silicon Bronze B-98
6	Plug	Cast Bronze



Model 165-B, 166-B

Pressure Drop

See Pressure Drop Charts in Technical Data section of Mueller Steam Specialty Engineering binder.

Dimensions and Weights

SIZE		DIMENSIONS								WEIGHT					
		A		B		C		D (NPT)		165-B		166-B			
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kgs.	lbs.	kgs.		
2	50	8 ⁵ / ₈	219	8 ⁵ / ₈	219	5 ⁷ / ₈	149	4 ³ / ₈	111	1/2	15	37	16	47	21
2 1/2	65	7 ⁹ / ₁₆	189	8 ³ / ₈	213	5 ⁷ / ₁₆	135	3 ³ / ₄	95	3/4	20	37	16	34	15.4
3	80	8 ³ / ₄	222	9 ⁹ / ₁₆	243	5 ¹ / ₄	133	5 ¹ / ₈	130	3/4	20	42	19	63	28
3 1/2	90	10 ³ / ₁₆	259	10 ⁵ / ₈	270	6 ⁷ / ₈	175	5 ¹ / ₄	133	1	25	61	27	82	37
4	100	11 ¹ / ₂	292	11 ¹ / ₂	292	7 ⁷ / ₈	200	5 ³ / ₈	143	1	25	73	33	115	52
5	125	12 ³ / ₈	314	13 ¹ / ₄	337	10 ¹ / ₄	260	5	127	1	25	115	52	149	67
6	150	14	356	15 ¹ / ₂	394	10 ³ / ₈	270	5 ¹³ / ₁₆	148	1 ¹ / ₄	32	141	64	204	92
8	200	17 ¹ / ₈	435	18 ¹ / ₈	460	15 ¹ / ₂	394	7	178	1 ¹ / ₂	40	236	107	310	140
10	250	22	559	23 ¹ / ₄	591	16	406	9 ¹ / ₄	235	1 ¹ / ₂	40	422	191	520	236
12	300	25 ¹ / ₄	645	26 ¹ / ₂	673	23 ³ / ₄	603	11 ⁵ / ₈	295	2	50	855	388	966	439

Apply for Certified Drawings.

Limited Warranty: Mueller Steam Specialty warrants each product to be free from defects in material and workmanship under normal usage for a period of one year from the date of original shipment. In the event of such defects within the warranty period, the Company will, at its option, replace or recondition the product without charge. This shall constitute the sole and exclusive remedy for breach of warranty, and the Company shall not be responsible for any incidental, special or consequential damages, including without limitation, lost profits or the cost of repairing or replacing other property which is damaged if this product does not work properly, other costs resulting from labor charges, delays, vandalism, negligence, fouling caused by foreign material, damage from adverse water conditions, chemical, or any other circumstances over which the Company has no control. This warranty shall be invalidated by any abuse, misuse, misapplication or improper installation of the product. **THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** Any implied warranties that are imposed by law are limited in duration to one year.

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