

Models: 165, 166DI

Job Name _____

Contractor _____

Job Location _____

Approval _____

Engineer _____

Contractor's P.O. No. _____

Approval _____

Representative _____

Cast Iron and Ductile Iron Flanged End Basket Strainers

Models: 165, 166-DI

Sizes: 1¼" - 24"

PRESSURE/TEMPERATURE–NON-SHOCK		
Model	Material	Rating
165 1¼" - 12"	Cast Iron	200psi @ -20°F to 150°F
		13.79 bar @ 65.56°C
		140psi @ 406°F
		9.65 bar @ 207.78°C
165 14" - 24"	Cast Iron	150psi @ -20°F to 150°F
		10.34 bar @ 65.56°C
		100psi @ 353°F
		6.89 bar @ 178.33°C
166-DI 1¼" - 16"	Ductile Iron	640psi @ -20°F to 100°F
		10.34 bar @ 65.56°C
		450psi @ 650°F
		31.03 bar @ 343.33°C

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

165 **Cast Iron** **Class 125**
166-DI **Ductile Iron** **Class 300**

Typical Service

- These strainers can be specified for cooling water, sea water, 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.



Models 165, 166-DI
*165-DI available upon request.
Consult Factory.

Construction

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

Capacity

- Minimum 6 to 1 ratio.

Galvanizing

- Available on all sizes, consult factory

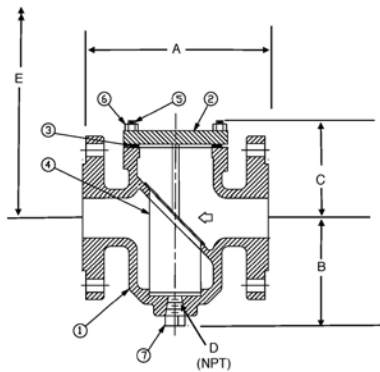
Baskets

MODEL	SIZES	STANDARD (WATER)		STEAM RECOMMENDATION	
		MATERIAL	OPENING	MATERIAL	OPENING
165, 166-DI	1¼" - 4"	304SS	.062 perf	304SS	.045 perf
165, 166-DI	5" and Up	304SS	.125 perf	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.

Material



Pressure Drop

See Pressure Drop Charts in Technical Data section of the Mueller Steam Specialty Engineering binder. Cv values are noted in the Dimensions and Weights table below.

Dimensions and Weights

SIZE			DIMENSIONS						WEIGHT			Cv			
			A		B		C		D (NPT)		E (NPT)				
in.	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kgs.	GPM		
165															
1¼"	6⅝	162	4⅞	105	3⅝	92	½	15	7"	178	32	14	38		
1½"	6½	165	4⅞	105	3⅝	92	½	15	7"	178	32	14	43		
2"	8⅝	219	5⅞	149	4⅝	111	½	15	12"	305	32	14	45		
2½"	7⅞	189	5⅞	138	3¾	95	¾	20	12"	305	28	12	85		
3"	8¾	222	5¼	133	5⅞	130	¾	20	12"	305	37	16	140		
4"	11⅞	284	7⅞	200	5⅞	143	1	25	16"	406	63	28	290		
5"	12¼	311	10¼	260	5	127	1	25	16"	406	98	44	500		
6"	14	356	10⅞	270	5⅞	143	1¼	32	17½"	457	122	55	800		
8"	17⅞	435	15½	394	7	178	1½	40	23½"	610	198	90	1,600		
10"	22	559	16	406	9¼	235	1½	40	20"	610	350	159	3,200		
12"	25¼	645	23¼	603	11⅞	295	2	50	39½"	1016	716	325	5,000		
14"	29⅞	756	26¾	679	12¼	311	2	50	45¼"	1168	1010	459	7,500		
16"	31⅞	810	29½	749	13¾	335	2	50	47⅞"	1219	1320	600	9,500		
18"	34	964	36	914	16¼	412	2	50	59¼"	1524	1916	870	13,500		
20"	36⅞	930	40⅞	1038	17	432	2	50	67"	1702	2468	1121	17,500		
24"	41½	1054	46¼	1174	19⅞	486	2	50	74½"	1905	4550	2068	20,000		

166-DI													
1¼"	-	-	4⅞	105	3⅝	92	½	15	7"	178	40	18	38
1½"	-	-	4⅞	105	3⅝	92	½	15	7"	178	40	18	43
2"	8⅝	219	5⅞	149	4⅝	111	½	15	12"	305	40	18	45
2½"	8⅞	213	5⅞	138	3¾	95	¾	20	12"	305	30	13	85
3"	9⅞	243	5¼	133	5⅞	130	¾	20	12"	305	52	23	140
4"	11½	292	7⅞	200	5⅞	143	1	25	16"	406	90	40	290
5"	13¼	337	10¼	260	5	127	1	25	16"	406	128	58	500
6"	15½	394	10⅞	270	5⅞	143	1¼	32	17½"	457	224	101	800
8"	18⅞	460	15½	394	7	178	1½	40	23½"	610	240	109	1,600
10"	23¼	591	16	406	9¼	235	1½	40	20"	610	460	209	3,200
12"	26½	673	23¼	603	11⅞	295	2	50	39½"	1016	854	388	5,000
14"	31¼	793	26¾	679	12¼	311	2	50	45¼"	1168	1182	537	7,500
16"	33½	851	29½	749	13¾	335	2	50	47⅞"	1219	1540	700	9,500

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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