

Models: 185SS, 186SS

Job Name _____

Contractor _____

Job Location _____

Approval _____

Engineer _____

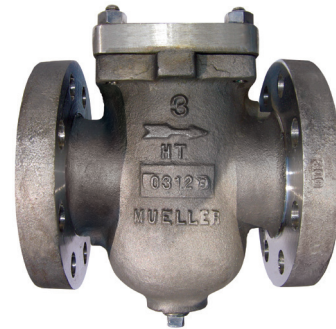
Contractor's P.O. No. _____

Approval _____

Representative _____

LEAD FREE*

Cast Stainless Steel Flanged End Basket Strainers

Model: 185SS, 186SS**Sizes: 1½" – 20"**

Models 185-SS, 186-SS

PRESSURE/TEMPERATURE–NON-SHOCK		
MODEL	MATERIAL	RATING
185-SS	Stainless Steel	275psi @ -20°F to 100°F
		18.96 bar @ 37.78°C
		150psi @ 565°F
		10.34 bar @ 296.11°C
186-SS	Stainless Steel	720psi @ -20°F to 100°F
		49.64 bar @ 37.78°C
		395psi @ 850°F
		27.23 bar @ 454.44°C

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

185-SS Class 150**186-SS Class 300**

Typical Service

- These rugged strainers can be specified for many applications in chemical processes, including brine, paint, fuel oil, organic and inorganic chemicals, as well as condensers and heat exchangers, to name just a few.
- They are especially suited for medium or coarse straining. For finer straining, see Model 125F-SS or 126F-SS.

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

- Large bodies and generous sized baskets
- Minimum 6 to 1 ratio.

Special Coatings and Treatments

- Pickling and passivation are available, consult factory.

Steam Jacketing

Available on request, consult factory.

Baskets

MODEL	SIZES	STANDARD (WATER)		STEAM RECOMENDATION	
		MATERIAL	OPENING	MATERIAL	OPENING
185-SS/186-SS	1½" - 4"	304SS	.062 perf	304SS	.045 perf
185-SS/186-SS	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.

***The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.**

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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Material

BILL OF MATERIAL MODELS 185SS, 186SS		
ITEM	DESCRIPTION	MATERIAL
1	BODY	Stainless Steel ASTM A351 Grade CF8M
2	COVER**	Stainless Steel ASTM A351 Grade CF8M
3	COVER GASKET	316 Filled Graphoil
4	BASKET	304 SS
5	STUDS	ASTM A193 B8M
6	NUTS	ASTM A194 8M
7	PLUG	ASTM A351 CF8M

** Cover may be manufactured from equivalent grade plate 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 Screen Removal				
in.	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kgs.	GPM
185SS													
1½	6½	165	4½	105	4	102	½	15	10"	254	23	10.4	43
2	8½	216	5½	149	4¾	121	½	15	12½"	318	34	15.4	45
2½	8	203	5⅞	138	4¼	108	¾	20	12½"	318	34	15.4	85
3	8¾	222	5¼	133	5½	140	¾	20	12½"	318	46	20	140
4	11¾	284	7⅞	200	6	152	1	25	16½"	419	70	31	290
5	12¼	311	10¼	260	5⅝	143	1	25	16½"	419	108	49	500
6	13⅞	352	12½	318	5⅞	148	1¼	32	19"	483	168	76	800
8	17⅞	441	15½	384	8	203	1½	40	26"	660	234	106	1,600
10	22	549	16	406	10¾	264	1½	40	30½"	775	402	182	3,200
12	25	635	23¾	603	12¾	314	2	50	-	-	692	314	5,000
14	47⅞	1197	34¾	873	20⅞	513	2	50	68¼"	1734	CF	CF	7,500
16	47⅞	1197	34¾	873	20⅞	513	2	50	68¼"	1734	CF	CF	9,500
18	34	864	36	914	16¼	413	2	50	56"	1422	CF	CF	13,500
20	36¾	934	40⅞	1038	17	432	2	50	61"	1549	CF	CF	17,500
186SS													
1½	7	178	4½	105	4	102	½	15	10"	254	23.3	11.6	43
2	8½	216	5½	149	4¾	121	½	15	12½"	318	34.3	15.5	45
2½	8⅞	221	5⅞	138	4¼	108	¾	20	12½"	318	39.8	17	85
3	9⅞	243	5¼	133	5½	140	¾	20	12½"	318	54	24	140
4	11¾	298	7⅞	200	6	152	1	25	16½"	419	86	39	290
5	13⅞	333	10¼	260	5⅝	143	1	25	16½"	419	121	55	500
6	14¾	375	12½	318	5⅞	148	1¼	32	19"	483	196	89	800
8	18⅞	460	15½	384	8	203	1½	40	26"	660	292	132	1,600
10	22½	581	16	406	10¾	264	1½	40	30½"	775	460	209	3,200
12	25¾	645	23¾	603	12¾	314	2	50	-	-	790	359	5,000
14	47⅞	1197	34¾	873	20⅞	513	2	50	68¼"	1734	CF	CF	7,500
16	47⅞	1197	34¾	873	20⅞	513	2	50	68¼"	1734	CF	CF	9,500
18	35⅞	905	36	914	16¼	413	2	50	56"	1422	CF	CF	13,500
20	38¾	975	40⅞	1038	17	432	2	50	61"	1549	CF	CF	17,500

Apply For Certified Drawings.

Larger sizes available.

CF=Consult Factory

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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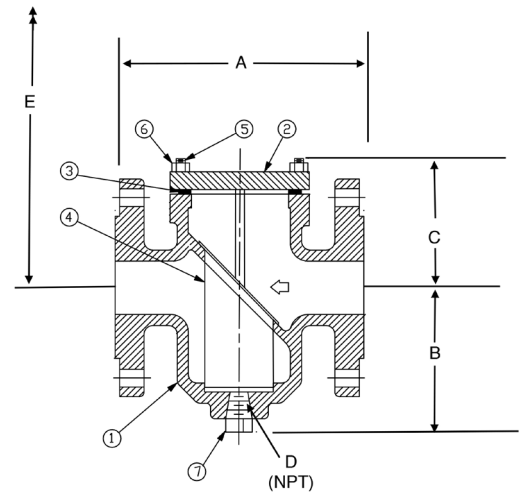


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