

DESCRIPTION

Badger Meter offers Dual Flange plate strainers, sizes 2" thru 6", in Cast Bronze and a Low Lead Alloy. The Low Lead Alloy (Trade Designation: Plate Strainer LL-NS) version of the 2" & 3" sizes complies with NSF/ANSI Standard 61 and carries the NSF-61 Mark on the product. In the 4" & 6" sizes, the Cast Bronze (Trade Designation: Plate Strainer B81-NS) and the Low Lead Alloy (Trade Designation: Plate Strainer LL-NS) versions comply with NSF/ANSI Standard 61 and carry the NSF-61 Mark on the product.

FEATURES: Badger plate strainers exceed AWWA standards with an effective screening area to minimize flow restrictions to meters. The straining area is double the inlet to turbo and compound meter cases. Badger strainers also reduce turbine rotor bearing loading and resultant wear to maintain and extend accurate meter registration, by minimizing velocity profile distortion caused by changes in pipe direction or valving. For added flexibility, these strainers are compatible for all makes of meters. The rubber head O-Ring or gasket is reusable to reduce replacement part costs. The screen is removable to clean the strainer in the service line. All sizes have a drain plug incorporated.

SCREENS: Made of non-corrosive 316 stainless steel with 3/16" or 1/4" perforations to effectively strain any larger foreign matter, and can be easily removed and cleaned.

CONSTRUCTION: The strainers are offered in (2) configurations. The standard model has a housing made of cast bronze (B81) material. The other configuration incorporates a housing made of a Low Lead Alloy. The second configuration, with the Low Lead Alloy housing, complies with the NSF/ANSI standard 61 and carries the NSF-61 mark on the product.

HYDROSTATICALLY TESTED MATERIALS: Housings are designed and individually tested to withstand 150 psi maximum working pressure and 300 psi static pressure.



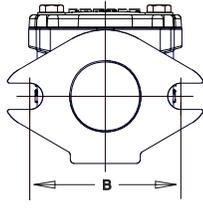
SPECIFICATIONS

Sizes and Configurations	2" Dual elliptical flange 2" Dual round flange 3" Dual round flange 4" Dual round flange 6" Dual round flange Compatible to any ASA 125 flange
Maximum Working Pressure	150 psi (10 bar)
Static Test Pressure	300 psi (20 bar)
Screen Area Ratio	Minimum 2 to 1 ratio of meter inlet
Screen	Removable in-line service
Screen Perforations	3/16" holes for 2", 3" and 4" strainers 1/4" holes for 6" strainer
Drain Plug	3/4" - 14 NPT removable in-line service
Recommended Applications	Recordall Turbo Series, Recordall Compound Series, and other makes of meters

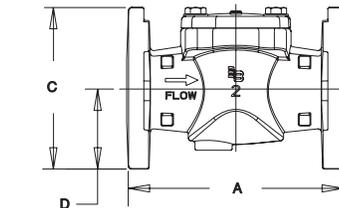
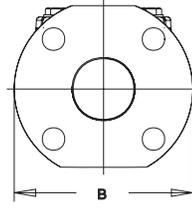
MATERIALS

Strainer Housing	Cast Bronze, Low Lead Alloy
Housing Cover	Bronze, Low Lead Alloy
Housing Cover Seal	Rubber
Strainer Screen	Stainless Steel
Drain Plug	Bronze, Low Lead Alloy
Housing Bolts	Stainless Steel





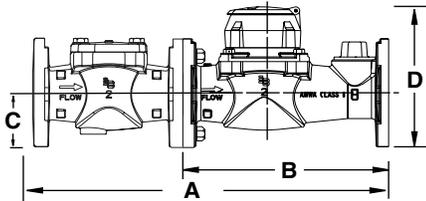
DUAL ELLIPTICAL FLANGE



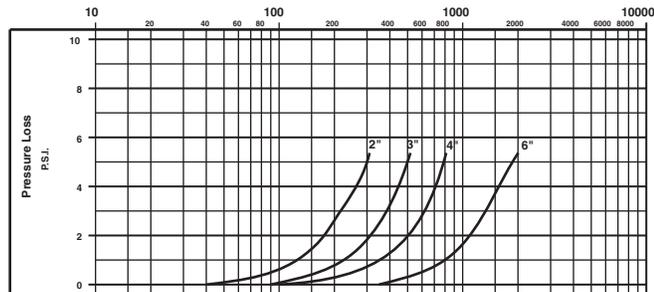
DUAL ROUND FLANGE

STRAINER TYPE	NOMINAL SIZE (Inches)	DIMENSIONS					FLANGE (Inches)			NET WT. (lbs)
		A	B	C	D	DRAIN PLUG (NPT)	HSG. BOLT DIA.	NO. MTG. HOLES	HOLE DIA.	
Dual Ellip. Flange	2 (50mm)	7 (178mm)	5 ³ / ₄ (146mm)	4 ⁷ / ₈ (122mm)	1 ⁷ / ₈ (48mm)	---	3/8-16	2	1 ³ / ₁₆ (21mm)	11 (5.0kg)
Dual Round Flange	2 (50mm)	7 (178mm)	6 (152mm)	5 ¹ / ₂ (140mm)	2 ⁵ / ₈ (66mm)	---	3/8-16	4	3/4 (19mm)	14 (6.3kg)
	3 (80mm)	7 (178mm)	7 ¹ / ₂ (190mm)	7 ¹ / ₄ (184mm)	3 ⁵ / ₈ (92mm)	---	1/4-20	4	3/4 (19mm)	22 (9.9kg)
	4 (100mm)	9 (229mm)	9 (229mm)	8 ³ / ₄ (223mm)	4 ³ / ₈ (112mm)	---	3/8-16	8	3/4 (19mm)	35 (16kg)
	6 (150mm)	9 (229mm)	11 (279mm)	11 (279mm)	5 ¹ / ₂ " (140mm)	3/4"-14	3/8-16	8	7/8 (22mm)	59 (26.5kg)

RECORDALL TURBO/STRAINER**



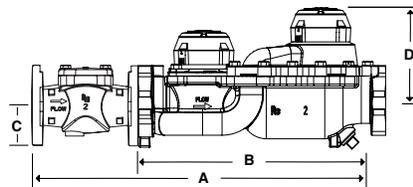
FLOW RATE VS. PRESSURE LOSS



METER SIZE

DIM.	2"	3"	4"	6"
A	17 (432mm)	19 (482mm)	23 (584mm)	27 (686mm)
B	10 (254mm)	12 (305mm)	14 (355mm)	18 (457mm)
C	RD 2 ⁵ / ₈ (66mm)	3 ⁵ / ₈ (92mm)	4 ³ / ₈ (112mm)	5 ¹ / ₂ (140mm)
	EL 2 ¹ / ₁₆ (52mm)			
D	RD 7 ¹⁹ / ₆₄ (185mm)	8 ²³ / ₃₂ (221mm)	9 ²¹ / ₃₂ (245mm)	12 ⁹ / ₁₆ (319mm)
	EL 6 ²³ / ₃₂ (170mm)			

RECORDALL COMPOUND/STRAINER**



METER SIZE

DIM.	2"	3"	4"	6"
A	22 ¹ / ₄ (560mm)	24 (609mm)	29 (737mm)	33 (838mm)
B	15 ¹ / ₄ (387mm)	17 (432mm)	20 (508mm)	24 (609mm)
C	2 ⁵ / ₈ (66mm)	3 ⁵ / ₈ (92mm)	4 ³ / ₈ (112mm)	5 ¹ / ₂ (140mm)
D	5 ⁷ / ₈ (149mm)	6 ⁵ / ₈ (168mm)	7 ¹ / ₄ (184mm)	8 ⁷ / ₈ (225mm)

** Badger Meter recommends a distance of five (5) pipe diameters between the strainer and the meter. (See individual meter installation, operation and maintenance manual.)

Badger® and Recordall® are registered trademarks of Badger Meter, Inc.



Please see our website at
www.badgermeter.com
 for specific contacts.



BadgerMeter, Inc.

P.O. Box 245036, Milwaukee, WI 53224-9536
 (800) 876-3837 / Fax: (888) 371-5982
www.badgermeter.com