

DESCRIPTION

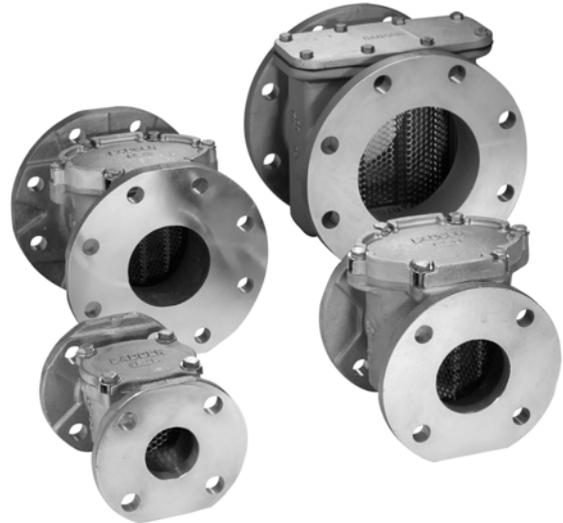
Badger Meter offers dual flange plate strainers, sizes 2" thru 6", in cast bronze and a low lead alloy. The low lead alloy (Trade Designation: Plate Strainer LL-NS) version of the 2" & 3" sizes complies with ANSI/NSF Standard 61, Annex G and carries the NSF-61 Mark on the product. In the 4" & 6" sizes,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



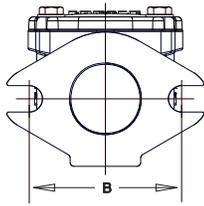
SPECIFICATIONS

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

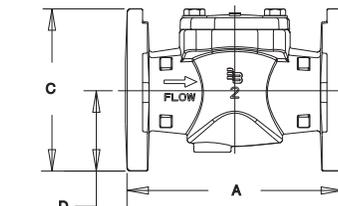
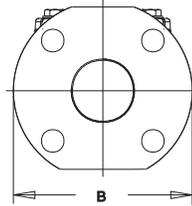
MATERIALS

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





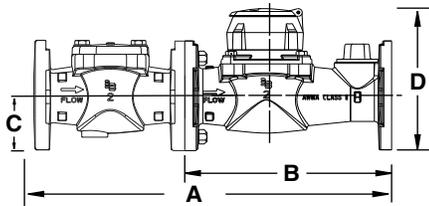
DUAL ELLIPTICAL FLANGE



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)	4 1/2 (114mm)	4 7/8 (122mm)	1 7/8 (48mm)	---	3/8-16	2	13/16 (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)

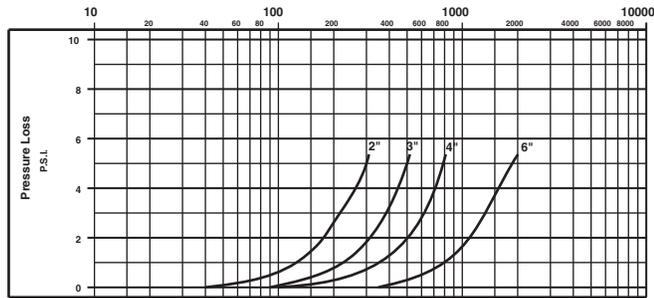
RECORDALL TURBO/STRAINER**



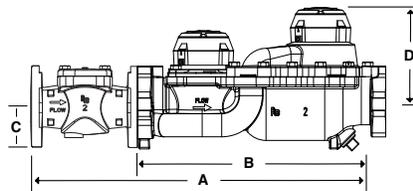
METER SIZE

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

FLOW RATE VS. PRESSURE LOSS



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.)

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Due to continuous research, product improvements and enhancements, Badger Meter reserves the right to change product or system specifications without notice, except to the extent an outstanding contractual obligation exists.



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



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