

KS Series ANSI 125 Class

SIMPLEX CAST IRON STRAINER HOUSINGS

Flanged or NPT Threaded Connections
Sizes 1" to 8" Flanged, 3/8" to 3" NPT

INTRODUCTION

The KS series, ANSI 125 class, Simplex basket strainers in cast iron, are in-line T strainer housings and are commonly installed into pipeline systems where debris loading is high and the collection of solids is required. Straining is achieved by using a perforated or mesh lined straining basket, inside the strainer housing. It is important to note that the proper size of a basket strainer is determined by its job function, not by the size of the pipeline.

These ANSI class 125 cast iron strainers are available with either NPT threaded connections from 3/8" to 3" or flanged (flat-faced) end connections with inlet & outlet sizes available from 1" to 8".

Both models are epoxy painted and have, as standard, plugged bottom drain connections. Housings come equipped with a high straining capacity, perforated 304 stainless steel basket.

Typical applications include: petroleum, oil and gas, water and wastewater, pulp and paper, transportation, chemical and petrochemical industries.

FEATURES

- ASTM A126 Grade B cast iron body and cover
- Quick opening cover (knob type, as shown) is standard and a full ANSI rated bolted cover is also available
- Threaded end connection sizes: 3/8" to 3" or flanged sizes: 1" to 8"
- Both cover and basket seat o-rings are Buna-N, (other materials available)
- 304 stainless perforated basket included as standard
- Variety of basket material, perforation and mesh sizes
- Bottom drain / blow-off connection and safety vent in cover are furnished with steel plug, as standard
- Carbon steel and stainless steel units are also available

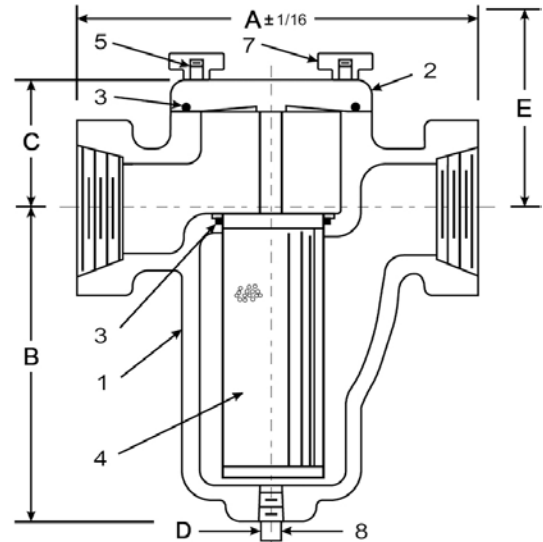


DIMENSIONAL INFORMATION

Bill of Materials ANSI 125 Cast Iron Strainers

No.	Part	Material
1	Body	ASTM A126 Gr. B cast iron
2	Cap/Cover	ASTM A126 Gr. B cast iron
3	O-ring/Gasket	Buna-N
4	Basket Strainer	304 Stainless steel
5	Studs	Alloy steel
6	Nuts (not shown)	Carbon steel
7	Knobs	Ductile steel
8	Bottom drain plug	Carbon steel

Bill of Materials represents standard materials. Equivalent or better materials may be substituted at the manufacturer's discretion. Nuts (Part No. 6) only applies to non-standard bolted covers which are not shown.



Dimensional Data	3/8	1/2	3/4	1	1 1/2	2	2 1/2	3	4	6	8
A Face to Face - Threaded	4.562	4.562	4.562	5.312	6.312	8.25	9.625	11.25	n/a	n/a	n/a
A Face to Face - Flanged	n/a	n/a	n/a	5.687	7.0	9.0	10.44	11.75	15	20.25	27.375
B Center Line to Bottom - Threaded	4.0	4.0	4.0	4.687	6.50	7.875	8.75	11.375	n/a	n/a	n/a
B Center Line to Bottom - Flanged	n/a	n/a	n/a	4.687	6.50	8.0	8.75	11.50	13.75	20	24.24
C Center Line to Top - Threaded	2.50	2.50	2.50	2.75	3.0	3.625	4.0	4.50	n/a	n/a	n/a
C Center Line to Top - Flanged	n/a	n/a	n/a	3.0	3.0	3.75	4.0	4.75	6.18	7.88	10.55
D NPT Plug/Blow-Off (Both)	3/8	3/8	3/8	3/8	1/2	3/4	1.0	1.0	2.0	2.0	2.0
E Clearance Needed for Basket Removal (Both)	4.82	4.82	4.82	5.88	8.2	10.2	11.88	14.82	19.88	29.2	37.2
Assembled Weight Threaded Approx. (lbs.)	5.5	5.5	5.5	8.0	14	27	36	55.5	n/a	n/a	n/a
Assembled Weight Flanged Approx. (lbs.)	n/a	n/a	n/a	11.5	21	34	48.5	64	118	266	215
Flow Coefficient (Cv)	14	14	14	24	43	70	90	140	290	780	1600

Dimensions in inches except where noted. Due to our continuing program of product improvement, specifications are for reference only and subject to change without notice. Dimensions are approximate values and not intended for piping specifications. Illustration refers to quick open cover with flanges ends only. Optional bolted cover and NPT end connections not shown. Certified drawings available upon request.

ADDITIONAL INFORMATION

Working Pressures & Temperatures (non-shock)		Standard Screen Selections				
KS Series ANSI Class 125	Cast Iron (ASTM A126 Gr. B)	Inlet/Outlet Sizes	Liquid Service	Open Area	Steam	Open Area
W.O.G. (Water, Oil, Gas)	200 psi at 100 °F	3/8" to 2"	1/16 (0.0625)	41%	1/32 (0.033)	28%
Saturated Steam	Not recommended	2 1/2" to 4"	1/16 (0.0625)	41%	3/64 (0.045)	36%
Maximum Liquid	Not recommended	5" to 8"	1/8 (0.125)	40%	3/64 (0.045)	36%

TYPICAL MODEL NUMBER

K	S	I	12	N	3	F	B
Jonell Systems Basket Strainer Series	Cast Type	Body Material	Pressure Rating	Connection Type	Connection Size	Seal Material	Closure Type
K = Strainer Series	S = Simplex style strainer	I = Cast Iron	12 = 125 psi	N = NPT threaded	F = 3/8" G = 1/2" H = 3/4" I = 1" K = 1 1/2" 2 = 2" L = 2 1/2" 3 = 3" 4 = 4" 6 = 6" 8 = 8"	F = Flat Gasket N = Buna-N (standard) V = Viton	B = Bolted Flange Q = Quick opening