

# KNW Series ANSI 150 Class

## SIMPLEX CAST BASKET STRAINER

Carbon Steel, Flanged

Available Sizes: 2", 3", 4" and 6"

### INTRODUCTION

The KNW series, simplex basket strainers in cast carbon steel, are in-line T-strainer housings and are commonly installed into pipeline systems to remove debris from the pipeline flow. These basket strainers are used where debris loading is high and the collection of solids is required. Straining is achieved by using a perforated or mesh lined wedge-cut 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 150 strainers are available with flanged (RF) end connections, with inlet & outlet sizes available from 2 to 6 inches. Housings come equipped with a standard 1/4" perforated 304 stainless steel, wedge-cut designed strainer basket, 3/4" NPT vent and fluid drain. Drain size is determined by housing I/O size.

The KNW series, simplex basket strainer, with its large body and sizeable basket, can store large amounts of debris which increases the time between servicing. Housings have a machined seat with o-ring that allows fine filtration, down to 40 microns, by preventing debris bypass.

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

### FEATURES

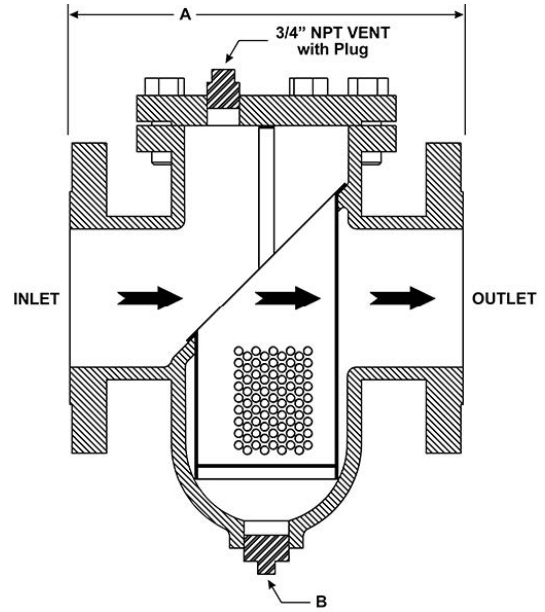
- Cast carbon steel construction
- ANSI class 150 Rating with flanged connections
- 304 non-asbestos flat closure gasket as standard (Other materials available)
- Wedge-cut style basket (except on 2" model)
- 304 SS, quality basket for tighter seal and longer life
- Bolted flange closure standard
- 3/4 inch NPT vent with plug
- NPT Blow-off/fluid drain (Strainer inlet & outlet size determines drain size)
- 304 SS perforated basket included as standard
- Variety of basket material, perforation and mesh sizes are available



## DIMENSIONAL INFORMATION

Dimensional Data	2"	3"	4"	6"
<b>A</b> Face to Face	8.5"	8.75"	11.2"	14"
<b>B</b> NPT Drain with Plug	1/2"	3/4"	1"	1 1/4"
NPT Vent with Plug	3/4"	3/4"	3/4"	3/4"
Assembled Weight approx. (lbs)	28	45	85	128

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. Additional clearance needed for basket removal.



## ADDITIONAL INFORMATION

The KNW series cast basket strainer housings with a 2 or 3 inch inlet and outlet have square head closures. Models with 4 or 6 inch inlet and outlet have a round head closure.

All models are clearly marked with the inlet and outlet size in the casting of the housing. Please contact us for further information.

## TYPICAL MODEL NUMBER

KN	W	C	15	F	6	F	B
Jonell Systems Basket Strainer Series	Cast Type	Body Material	ANSI Class	Connection Type	Connection Size	Seal Material	Closure Type
KN= Strainer Series	W = Simplex Style with Wedge Cut Basket	C= Carbon Steel	15 = 150#	F = Flanged	2 = 2" 3 = 3" 4 = 4" 6 = 6"	F = Flat Gasket	B = Bolted Flange