



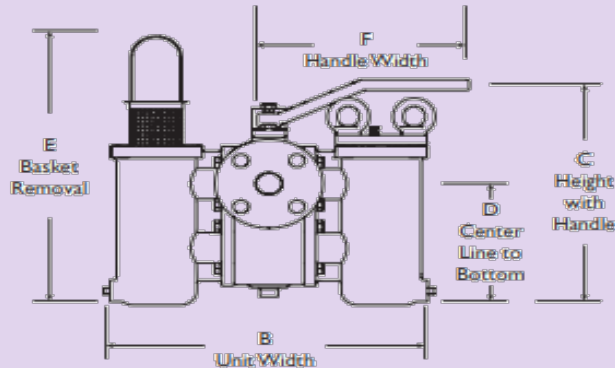
# 150# ANSI CAST CS & SS DUPLEX BASKET STRAINERS

## MODEL:

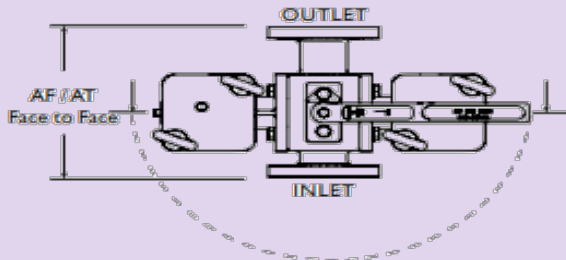
- DBT-150-CS**  
(THREADED - CARBON STEEL)
- DBT-150-SS**  
(THREADED - STAINLESS STEEL)
- DBF-150-CS**  
(FLANGED - CARBON STEEL)
- DBF-150-SS**  
(FLANGED - STAINLESS STEEL)

PRESSURE-TEMPERATURE RATINGS	
CARBON STEEL - A216 GR. WCB - CLASS 150	
WOG (Non-shock): 285 PSI @ 100 °F	
STAINLESS STEEL - A351 GR. CF8M - CLASS 150	
WOG (Non-shock): 275 PSI @ 100 °F	

### Front View



### Top View



DIMENSIONS & WEIGHTS APPROXIMATE  
(Apply for certified drawings)

### SERVICE RECOMMENDATIONS

Like other basket strainers, the duplex strainer mechanically removes solids from flowing fluids via a perforated, mesh, or wedge wire straining element. The duplex strainer is designed to allow the pipeline flow to be switched from one of its two chambers to the other. This completely isolates the flow to a single chamber for non-interruptable applications that cannot be shut down during routine maintenance and cleaning operations.

### FEATURES

This duplex strainer is designed with stainless steel balls that divert the pipeline flow from one basket chamber to another. In addition, this strainer features an easy to operate handle that clearly indicates which basket is in service and which basket can be removed for cleaning. There are two diverter balls up to 4" size. 6" and 8" have four balls.

### BASKETS:

Heavy gauge 304 stainless steel baskets are normally furnished in the following perforations:

SERVICE:	3/4" - 4"	6" - 8"
Liquid :	1/16"	1/8"

**NOT RECOMMENDED FOR STEAM SERVICE**

Other materials, such as Monel, Hastelloy C, & Alloy-20 are available. Other perforation sizes and/or mesh lining is also available.

### CONSTRUCTION

The body and cover are constructed from Carbon Steel (ASTM A216 Gr. WCB) or Stainless Steel (ASTM A351 Gr. CF8M). Carbon Units come standard with BUNA N o-rings, Stainless units are standard with Viton o-rings. All seats are Teflon (PTFE) and the diverter balls are 304SS. Standard baskets are type 304SS, but, 316SS, Monel, Hastelloy, Alloy 20 etc. are available.

### INDIVIDUALLY HYDROSTATICALLY TESTED

SIZE	in	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	6	8
mm		20	25	32	40	50	65	80	100	150	200
AF DIMENSION	in	--	7	9.37	9.37	10.6	13.5	13.5	16	22	26.75
FLANGED FACE TO FACE	mm	--	178	238	238	270	343	343	406	559	680
AT DIMENSION	in	5.59	5.59	7.5	7.5	10	11.5	--	--	--	--
THREADED FACE TO FACE	mm	142	142	191	191	254	292	--	--	--	--
B DIMENSION	in	12.95	12.95	15.12	15.12	18.43	22.05	22	26.85	35.31	48.50
UNIT WIDTH	mm	329	329	384	384	468	560	560	682	897	1368
C DIMENSION	in	12	12	14.8	14.8	18.4	22.7	22.7	25.5	36.6	45.1
HEIGHT W/ HANDLE	mm	305	305	377	377	468	579	579	649	905	1146
D DIMENSION	in	5.83	5.83	8.3	8.3	10.7	13.7	13.7	15.9	24.5	30.4
CENTERLINE TO BOTTOM	mm	148	148	211	211	271	347	347	403	621	772
E DIMENSION	in	15.4	15.4	21.3	21.3	26.4	35	35	41	48	62
BASKET REMOVAL	mm	390	390	541	541	670	885	885	1040	1220	1575
F DIMENSION	in	7.87	7.87	7.87	7.87	10.03	13	13	15	21.65	29.13
HANDLE LENGTH	mm	200	200	200	200	270	330	330	380	550	740
APPROX. WEIGHT	lb	--	46.3	73.9	73.9	121.3	237	238.1	373.3	850.0	1600.0
DTF-150	kg	--	21	33.5	33.5	55	107.5	108	169.5	386.0	726.0
APPROX. WEIGHT	lb	43.7	43	69.9	69.5	119	227	--	--	--	--
DBT-150, THRD	kg	19.8	19.5	31.7	31.5	54	103	--	--	--	--
Cv		13	14	19	24	42	68	105	180	429	776

1. Dimensions, weights, and flow coefficients are provided for reference only. Always request certified drawings.  
2. Flanged units are not available in 3/4" size; Threaded units are not available above 2 1/2" size.

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