

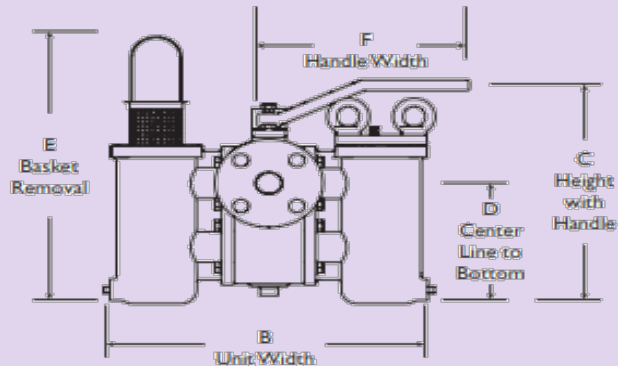


300 ANSI CAST CS & SS DUPLEX BASKET STRAINERS

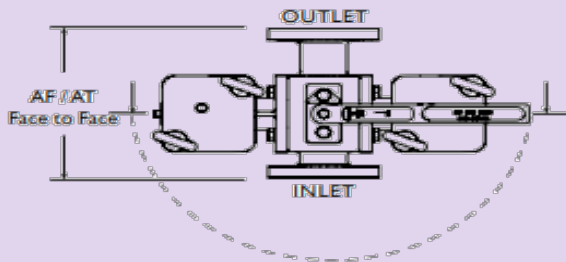
MODEL:

DBT-300-CS
(THREADED - CARBON STEEL)
DBT-300-SS
(THREADED - STAINLESS STEEL)
DBF-300-CS
(FLANGED - CARBON STEEL)
DBF-300-SS
(FLANGED - STAINLESS STEEL)

Front View



Top View



DIMENSIONS & WEIGHTS APPROXIMATE
(Apply for certified drawings)

PRESSURE-TEMPERATURE RATINGS	
CARBON STEEL - A216 GR. WCB - CLASS 300	
WOG (Non-shock): 740 PSI @ 100 °F	
STAINLESS STEEL - A351 GR. CF8M - CLASS 300	
WOG (Non-shock): 720 PSI @ 100 °F	

SERVICE RECOMMENDATIONS

Like simplex 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 is designed with two 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.

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	
	mm	20	25	32	40	50	65	80	100	
AF DIMENSION	in	--	7.4	9.84	9.84	11.18	14.3	14.3	16.61	
FLANGED FACE TO FACE	mm	--	188	250	250	284	363	363	422	
AT DIMENSION	in	5.59	5.59	7.5	7.5	10	11.5	11.50	--	
THREADED FACE TO FACE	mm	142	142	191	191	254	292	292.00	--	
B DIMENSION	in	12.95	12.95	15.12	15.12	18.43	22.05	22	26.85	
UNIT WIDTH	mm	329	329	384	384	468	560	560	682	
C DIMENSION	in	11	11	14.2	14.2	17.7	22	22.0	25.2	
HEIGHT W/ HANDLE	mm	280	280	360	360	450	560	560	640	
D DIMENSION	in	5.83	5.83	8.3	8.3	10.7	13.7	13.7	15.9	
CENTERLINE TO BOTTOM	mm	148	148	211	211	271	347	347	403	
E DIMENSION	in	15.4	15.4	21.3	21.3	26.4	35	35	41	
BASKET REMOVAL	mm	390	390	541	541	670	885	885	1040	
F DIMENSION	in	7.87	7.87	7.87	7.87	10.63	13	13	15	
HANDLE LENGTH	mm	200	200	200	200	270	330	330	380	
APPROX. WEIGHT	lb	--	46.3	73.9	73.9	121.3	237	238.1	373.7	
DBF-300, FLGD	kg	--	21	33.5	33.5	55	107.5	108	169.5	
APPROX. WEIGHT	lb	43.7	43	69.9	69.5	119	227	--	--	
DBT-300, THRD	kg	19.8	19.5	31.7	31.5	54	103	--	--	
Cv		14	13	14	19	24	42	68	105	180

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

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