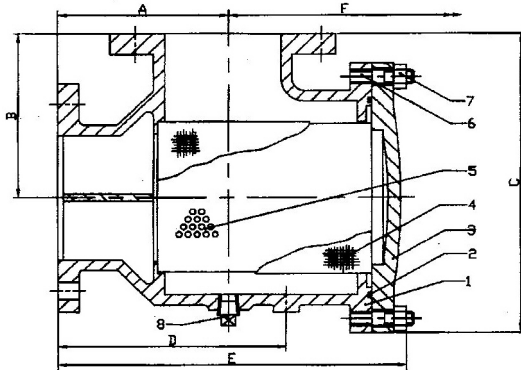


# American HVAC Flow Diverter



## Materials of Construction

No.	Description	Material
1	Body	ASTM A536 Ductile Iron / Class 125/150
2	O'ring	Nitrile Rubber O'Ring
3	Cover	ASTM A536 Ductile Iron
4	Screen	3/16" Perf 304SS Screen
5	Start up Screen	20 Mesh 304SS Start up Screen
6	Bolts	ASTM 304 Stainless Steel
7	Nuts	ASTM 304 Stainless Steel
8	Pipe Plug	ASTM A536 Ductile Iron

Part #	Inlet/Outlet	A	B	C	D	E	F	NPT Plug	Pipe Support	Wt. Lbs
FD2x1.5	2"x 1.5"	4 1/2	4 1/2	6 7/8	6 1/8	9 3/8	8 7/8	3/4	1.00	20
FD2x2	2"x 2"	4 1/2	4 1/2	6 7/8	6 1/8	9 3/8	8 7/8	3/4	1.00	23
FD2.5x2	2.5"x 2"	5	5	7 5/8	6 1/2	10 3/8	9 3/8	3/4	1 1/2	30
FD2.5X2.5	2.5"x 2.5"	5	5	7 5/8	6 1/2	10 3/8	9 3/8	3/4	1 1/2	35
FD3x2	3"x 2"	5 1/2	5 1/2	8 1/2	7 1/8	10 7/8	9 3/8	3/4	1 1/2	42
FD3x2.5	3"x 2.5"	5 1/2	5 1/2	8 1/2	7 1/8	10 7/8	9 3/8	3/4	1 1/2	48
FD3x3	3"x 3"	5 1/2	5 1/2	8 1/2	7 1/8	10 7/8	9 3/8	3/4	1 1/2	52
FD4x3	4"x 3"	6 1/2	6 1/2	11	8 3/4	12 1/4	11 1/8	1	1 1/2	66
FD4x4	4"x 4"	6 1/2	6 3/4	11	8 3/4	12 1/4	11 1/8	1	1 1/2	72
FD5x4	5"x 4"	7 1/2	7 1/2	13	14 7/8	14 7/8	14 1/2	1	1 1/2	93
FD5x5	5"x 5"	7 1/2	7 1/2	13	14 7/8	14 7/8	14 1/2	1	1 1/2	100
FD6x4	6"x 4"	8	8	14 1/2	10 1/2	16	16 1/4	1	1 1/2	122
FD6x5	6"x 5"	8	8	14 1/2	10 1/2	16	16 1/4	1	1 1/2	134
FD6x6	6"x 6"	8	8	14 1/2	10 1/2	16	16 1/4	1	1 1/2	140
FD8x6	8"x 6"	9	9	11 1/2	11 1/2	18	18	1	1 1/2	170
FD8x8	8"x 8"	9	9	16 7/8	11 3/4	19 5/8	22 1/8	1 1/4	1 1/2	245
FD10x8	10"x 8"	9	11	18 7/8	11 3/4	19 5/8	22 1/8	1 1/4	1 1/2	264
FD10x10	10"x 10"	11	11	20 3/4	14	25 1/4	29 7/8	1 1/4	1 1/2	461
FD12x8	12"x 8"	9	12	21 3/4	11 3/4	19 5/8	22 1/8	1 1/4	1 1/2	316
FD12x10	12"x 10"	11	12	21 3/4	14	25 1/4	29 7/8	1 1/4	1 1/2	460
FD12x12	12"x 12"	12	12	21 3/4	15 1/4	25	28 5/8	1 1/4	1 1/2	490

Dimensionals are Plus (+) or Minus (-) 1/16"

The American HVAC Flow Diverter is a combination of a 3/16" Stainless Steel Strainer and a Ninety Degree Elbow in a Class 125/150 Flanged Ductile Iron Body designed to save space and money. The integral vanes maximize flow efficiencies into the pump and the strainer offers pump protection. The bottom pipe plug can be used as a blow down connection or adapted to a magnetic plug. Additionally, the integral boss located at the bottom of the Diverter can be adapted for use as a Foot Support.

The Ductile Iron Body allows for pressures to 285 PSI (Class 150 Street Flange Rating) and all the American HVAC Flow Diverters are tested to 400 PSI. Flanged Diverters can be used with corresponding A105 Class 150 Steel Flanges.