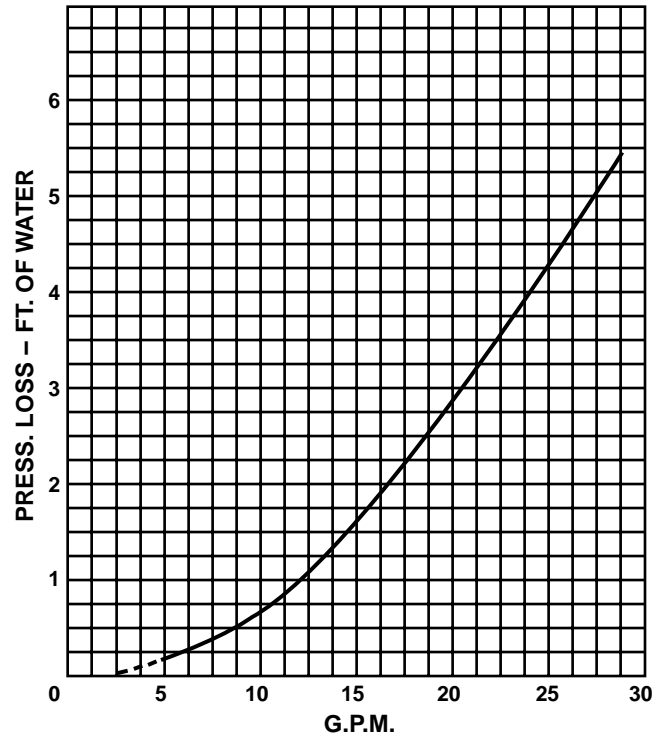
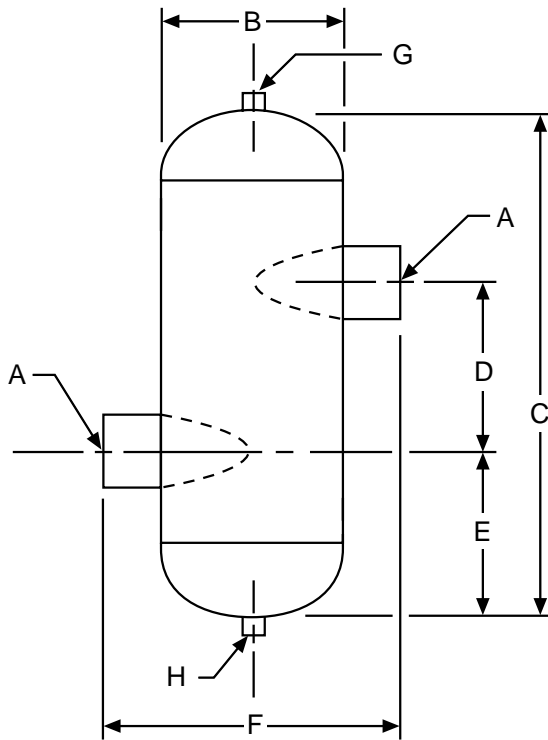


1" AIR SEPARATOR
WITHOUT STRAINER

Dated **AUGUST 2001**



Model No.	Dimensions in Inches								Weight Lbs.
	A	B	C	D	E	F	G	H	
1050-1	1 NPT	4 1/2	12	4	4	7	3/4 NPT	3/4 NPT	15 lbs.

Materials of Construction

Body	Steel
System Connection	Steel

Designed and Constructed per ASME Section VIII.

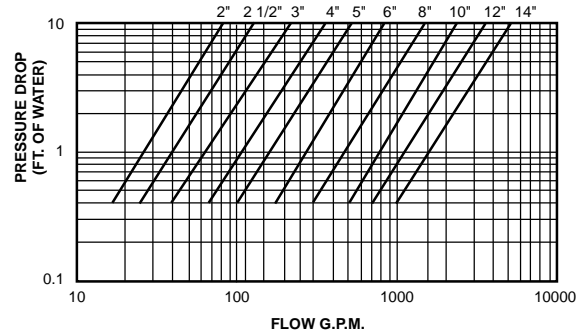
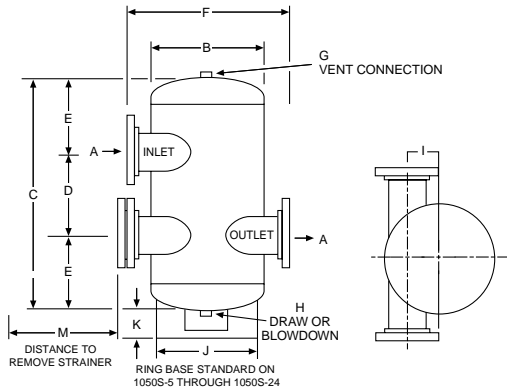
All dimensions and weights are approximate.

Maximum Operating Conditions

Working temperature	350° F
Working pressure	125 PSI

AURORA ACCESSORIES

2" -24" AIR SEPARATORS
 WITH STRAINER



Indicates pressure drop in feet of water versus flow in gallons per minute with strainer. This is an improved method for properly computing pressure drop in Air Separators.

Model No.	Dimensions in Inches (mm)												Maximum Flow Rate			Strainer Screen Free Area Sq.ins.	Ship Wt. lbs.
	A	B	C	D	E	F	G	H	I	J	K	M	Vel. 4 Ft./Sec.	Vel. 6 Ft./Sec.	Vel. 8 Ft./Sec.		
1050S-2	2 (51)	10 (254)	23 (584)	8 (203)	7 1/2 (191)	16 1/4 (413)	3/4 (19)	3/4 (19)	3 (76)	-	-	14 (356)	42	63	84	33	70
1050S-2.5	2 1/2 (64)	10 (254)	23 (584)	8 (203)	7 1/2 (191)	16 1/4 (413)	3/4 (19)	3/4 (19)	3 (76)	-	-	14 (356)	60	90	120	40	70
1050S-3	3 (76)	10 (254)	23 (584)	8 (203)	7 1/2 (191)	17 (432)	3/4 (19)	3/4 (19)	3 (76)	-	-	14 (356)	93	140	185	45	75
1050S-4	4 (102)	12 (305)	24 3/8 (619)	10 (254)	7 1/4 (184)	20 3/4 (527)	3/4 (19)	3/4 (19)	3 1/2 (89)	-	-	16 1/2 (419)	160	240	320	78	80
1050S-5	5 (127)	16 (406)	34 1/2 (876)	12 (305)	11 1/4 (286)	24 (610)	3/4 (19)	3/4 (19)	4 1/4 (108)	12 3/4 (324)	4 5/8 (117)	21 1/2 (645)	250	375	500	120	180
1050S-6	6 (152)	18 (457)	41 (1041)	14 (356)	13 1/2 (343)	26 (660)	3/4 (19)	3/4 (19)	4 1/4 (108)	14 (356)	4 5/8 (117)	23 (584)	360	540	720	186	250
1050S-8	8 (203)	24 (610)	52 (1321)	18 (457)	17 (432)	32 (813)	3/4 (19)	3/4 (19)	5 3/4 (146)	16 (406)	4 5/8 (117)	29 (737)	630	940	1250	313	455
1050S-10	10 (254)	30 (762)	59 1/2 (1511)	22 (559)	18 3/4 (476)	40 (1016)	3/4 (19)	3/4 (19)	7 3/4 (197)	24 (610)	4 5/8 (117)	35 (889)	990	1500	1980	491	770
1050S-12	12 (305)	36 (914)	70 (1778)	26 (660)	22 (559)	46 (1168)	3/4 (19)	3/4 (19)	7 3/4 (197)	30 (762)	12 5/8 (321)	40 (1016)	1400	2100	2800	644	1150
1050S-14	14 (356)	42 (1067)	74 (1880)	30 (762)	22 (559)	52 (1321)	3/4 (19)	3/4 (19)	13 (330)	30 (762)	13 3/8 (340)	48 (1219)	1680	2500	3350	810	2200
1050S-16	16 (406)	48 (1219)	90 (2286)	32 (813)	29 (737)	64 (1626)	3 (76)	3 (76)	15 (381)	42 (1067)	12 1/2 (318)	56 (1422)	2200	2800	3500	969	4300
1050S-18	18 (457)	54 (1372)	102 (2591)	36 (914)	33 1/4 (845)	64 (1626)	3 (76)	3 (76)	16 (406)	42 (1067)	12 3/8 (314)	62 (1575)	3300	4200	5200	1517	4900
1050S-20	20 (508)	60 (1524)	102 (2591)	30 (762)	36 (914)	70 (1778)	3 (76)	3 (76)	19 (483)	45 (1143)	6 15/16 (176)	68 (1727)	4500	5600	7000	1860	5600
1050S-22	22 (559)	60 (1524)	119 (3023)	48 (1219)	35 3/8 (899)	70 (1778)	3 (76)	3 (76)	18 (457)	45 (1143)	7 (178)	68 (1727)	5000	6300	7900	2073	6300
1050S-24	24 (610)	72 (1829)	132 (3353)	43 (1092)	44 5/8 (1133)	82 (2083)	3 (76)	3 (76)	22 (559)	45 (1143)	8 (203)	80 (2032)	5500	7000	8800	2712	8000

Maximum Operating Conditions

Working temperature	350° F
Working pressure	125 PSI

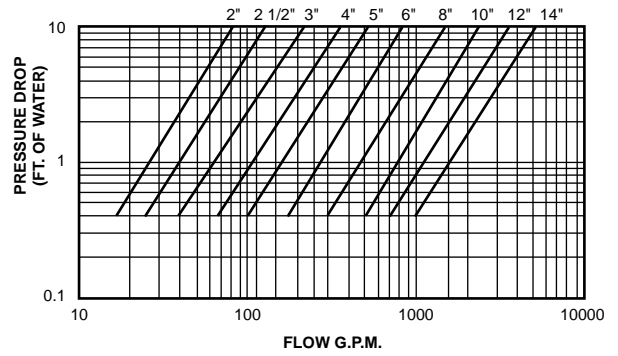
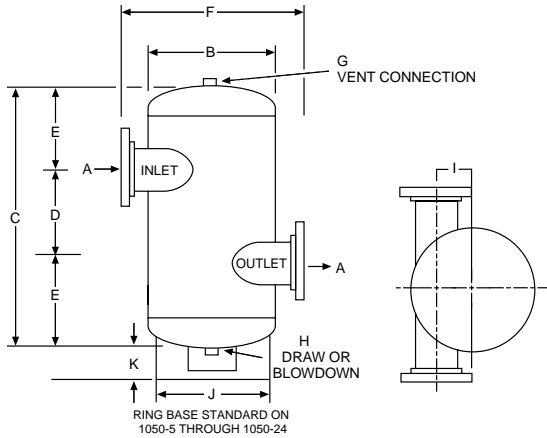
Designed and Constructed per ASME Section VIII, Division 1.

Materials of Construction

Body	Steel
Flanges	Steel - ANSI 150#
Strainer	304 Stainless Steel

AURORA ACCESSORIES

2" -24" AIR SEPARATORS
WITHOUT STRAINER



Indicates pressure drop in feet of water versus flow in gallons per minute with strainer. This is an improved method for properly computing pressure drop in Air Separators.

Model No.	Dimensions in Inches (mm)												Maximum Flow Rate			Ship Wt. lbs.
	A	B	C	D	E	F	G	H	I	J	K	M	Vel. 4 Ft./Sec.	Vel. 6 Ft./Sec.	Vel. 8 Ft./Sec.	
	1050-2	2 (51)	10 (254)	23 (584)	8 (203)	7 1/2 (191)	16 1/4 (413)	3/4 (19)	3/4 (19)	3 (76)	-	-	14 (356)	42	63	
1050-2.5	2 1/2 (64)	10 (254)	23 (584)	8 (203)	7 1/2 (191)	16 1/4 (413)	3/4 (19)	3/4 (19)	3 (76)	-	-	14 (356)	60	90	120	65
1050-3	3 (76)	10 (254)	23 (584)	8 (203)	7 1/2 (191)	17 (432)	3/4 (19)	3/4 (19)	3 (76)	-	-	14 (356)	93	140	185	70
1050-4	4 (102)	12 (305)	24 3/8 (619)	10 (254)	7 1/4 (184)	20 3/4 (527)	3/4 (19)	3/4 (19)	3 1/2 (89)	-	-	16 1/2 (419)	160	240	320	75
1050-5	5 (127)	16 (406)	34 1/2 (876)	12 (305)	11 1/4 (286)	24 (610)	3/4 (19)	3/4 (19)	4 1/4 (108)	12 3/4 (324)	4 5/8 (117)	21 1/2 (645)	250	375	500	145
1050-6	6 (152)	18 (457)	41 (1041)	14 (356)	13 1/2 (343)	26 (660)	3/4 (19)	3/4 (19)	4 1/4 (108)	14 (356)	4 5/8 (117)	23 (584)	360	540	720	200
1050-8	8 (203)	24 (610)	52 (1321)	18 (457)	17 (432)	32 (813)	3/4 (19)	3/4 (19)	5 3/4 (146)	16 (406)	4 5/8 (117)	29 (737)	630	940	1250	375
1050-10	10 (254)	30 (762)	59 1/2 (1511)	22 (559)	18 3/4 (476)	40 (1016)	3/4 (19)	3/4 (19)	7 3/4 (197)	24 (610)	4 5/8 (117)	35 (889)	990	1500	1980	650
1050-12	12 (305)	36 (914)	70 (1778)	26 (660)	22 (559)	46 (1168)	3/4 (19)	3/4 (19)	7 3/4 (197)	30 (762)	12 5/8 (321)	40 (1016)	1400	2100	2800	960
1050-14	14 (356)	42 (1067)	74 (1880)	30 (762)	22 (559)	52 (1321)	3/4 (19)	3/4 (19)	13 (330)	30 (762)	13 3/8 (340)	48 (1219)	1680	2500	3350	1950
1050-16	16 (406)	48 (1219)	90 (2286)	32 (813)	29 (737)	64 (1626)	3 (76)	3 (73)	15 (381)	42 (1067)	12 1/2 (318)	56 (1422)	2200	2800	3500	3800
1050-18	18 (457)	54 (1372)	102 (2591)	36 (914)	33 1/4 (845)	64 (1626)	3 (76)	3 (76)	16 (406)	42 (1067)	12 3/8 (314)	62 (1575)	3300	4200	5200	4300
1050-20	20 (508)	60 (1524)	102 (2591)	30 (762)	36 (914)	70 (1778)	3 (76)	3 (76)	19 (483)	45 (1143)	6 15/16 (176)	68 (1727)	4500	5600	7000	4800
1050-22	22 (559)	60 (1524)	119 (3023)	48 (1219)	35 3/8 (899)	70 (1778)	3 (76)	3 (76)	18 (457)	45 (1143)	7 (178)	68 (1727)	5000	6300	7900	5300
1050-24	24 (610)	72 (1829)	132 (3353)	43 (1092)	44 5/8 (1133)	82 (2083)	3 (76)	3 (76)	22 (559)	45 (1143)	8 (203)	80 (2032)	5500	7000	8800	6900

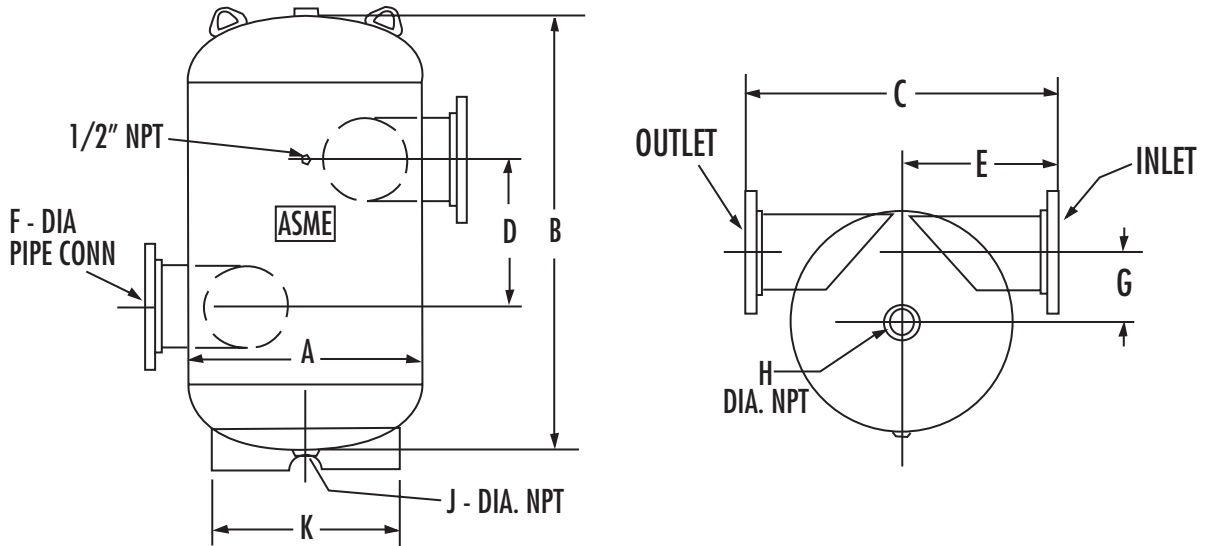
Maximum Operating Conditions

Working temperature	350° F
Working pressure	125 PSI

Materials of Construction

Body	Steel
Flanges	Steel - ANSI 150#

Designed and Constructed per ASME Section VIII, Division 1.



MODEL NUMBER	A	B	C	D	E	F	G	H	J	K	WT
JASR-19-401	12	19-1/2	16-5/8	8	8-5/16	2	4-5/16	1-1/4	1	9-1/2	41
JASR-19-402	12	19-1/2	16-5/8	8	8-5/16	2-1/2	4-1/16	1-1/4	1	9-1/2	56
JASR-19-403	12	19-1/2	19-3/4	8	9-7/8	3	3-3/4	1-1/4	1	9-1/2	59
JASR-19-404	14	27-1/2	21-3/4	10-3/4	10-7/8	4	4-1/4	1-1/2	2	11-1/2	97
JASR-19-405	14	27-1/2	21-3/4	10-3/4	10-7/8	5	3-3/4	2	2	11-1/2	118
JASR-19-406	20	40	28	14-1/2	14	6	6-1/4	2	2	16	201
JASR-19-407	20	40	28	14-1/2	14	8	5-3/16	2	2	16	299
JASR-19-408	30	56	41	19	20-1/2	10	9-1/8	2	2	24	563
JASR-19-409	30	56	41	19	20-1/2	12	8-1/8	2	2	24	647
JASR-19-410	36	79-3/4	46-3/8	31-1/2	23-3/16	14	10-3/16	2	2	30	1325
JASR-19-411	42	96	52	36	26	16	12-1/2	2	2	30	1350
JASR-19-412	48	104	61-1/2	41	30-3/4	18	13-5/8	2	2	42	1985
JASR-19-413	54	115	66	45	33	20	16	2	2	48	3180
JASR-19-414	66	130	78	47-1/2	39	24	19	2	2	60	5475

Materials of Construction

Body	Carbon Steel
System Connection	Steel

Maximum Operating Conditions

Working temperature	375° F
Working pressure	150 PSI, sizes 14" & over = 125 PSI

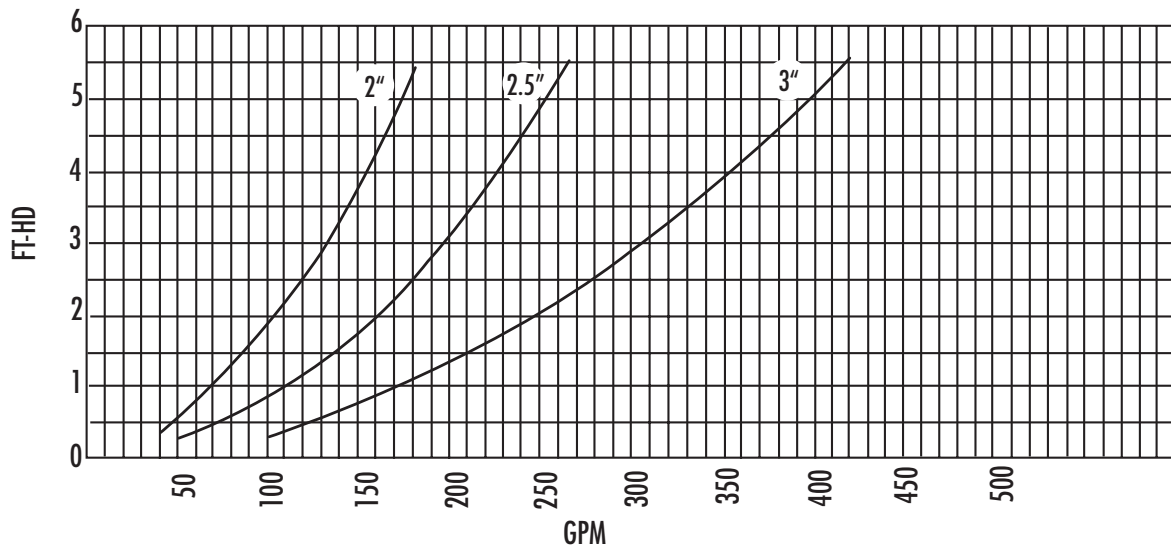
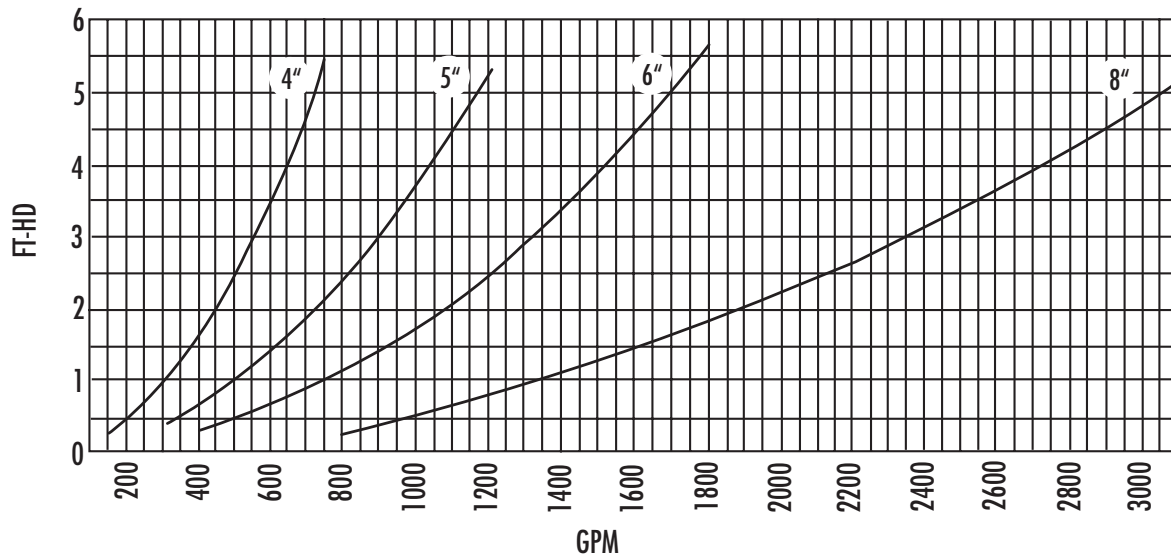
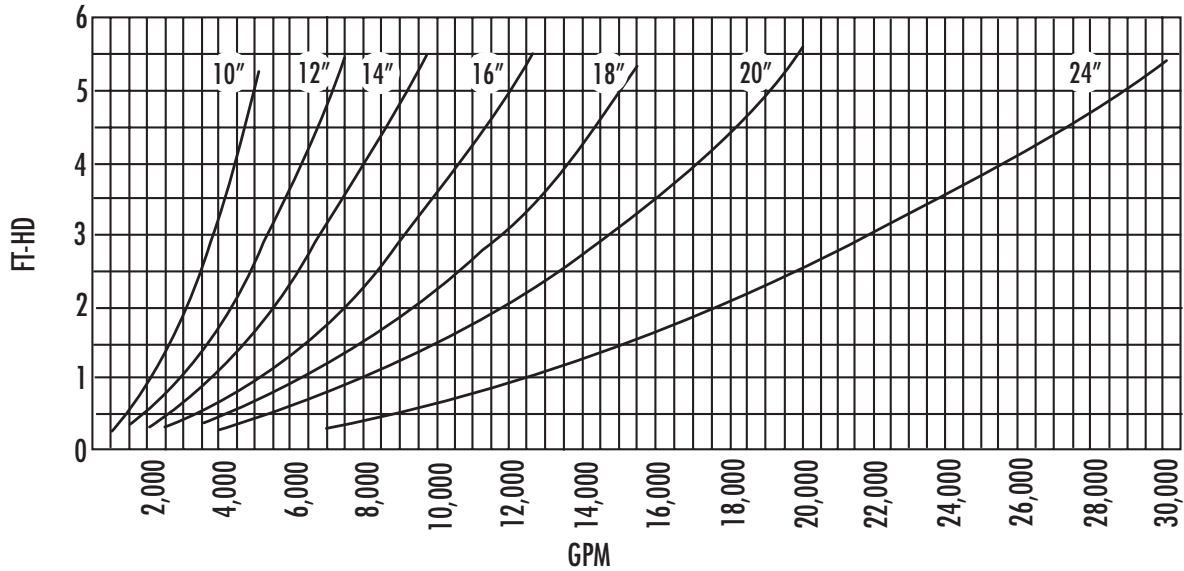
Designed and Constructed per ASME Section VIII.
All dimensions and weights are approximate.

Notes:

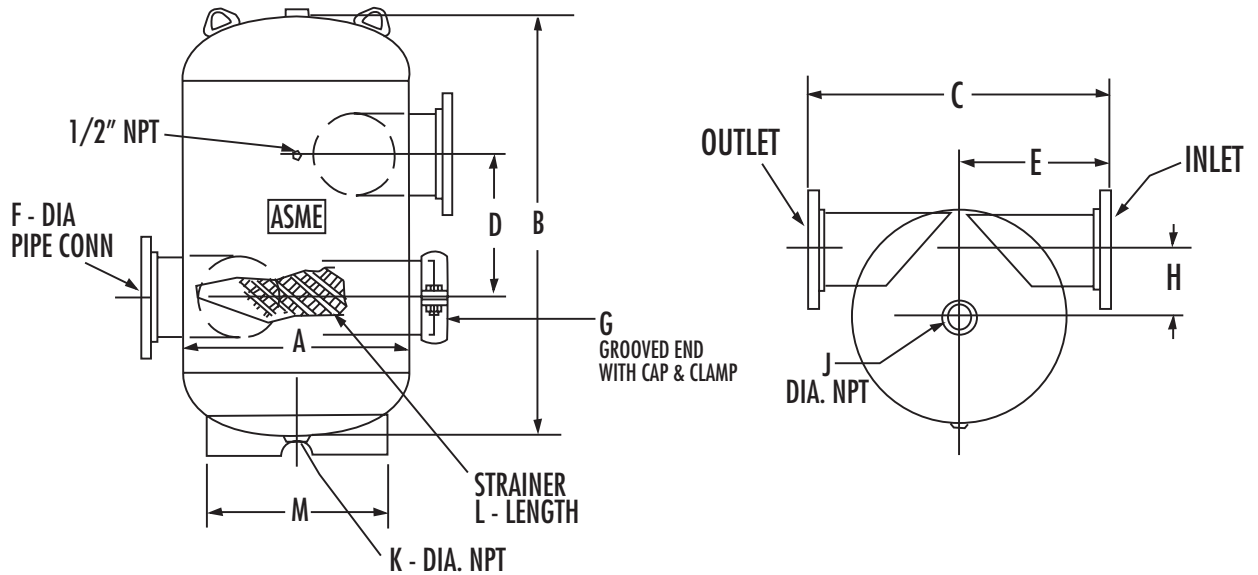
1. Pipe Connections - 2" & 2-1/2" NPT : 3" & Larger - Flanged

AURORA ACCESSORIES

PRESSURE DROP CHART WITHOUT STRAINER



AURORA ACCESSORIES WITH STRAINER



MODEL NUMBER	A	B	C	D	E	F/G	H	J	K	L	M	WT
JASR-19-501	12	19-1/2	16-5/8	8	8-5/16	2	4-5/16	1-1/4	1	16-1/2	9-1/2	49
JASR-19-502	12	19-1/2	16-5/8	8	8-5/16	2-1/2	4-1/16	1-1/4	1	16-1/2	9-1/2	64
JASR-19-503	12	19-1/2	19-3/4	8	9-7/8	3	3-3/4	1-1/4	1	17-1/8	9-1/2	59
JASR-19-504	14	27-1/2	21-3/4	10-3/4	10-7/8	4	4-1/4	1-1/2	2	19-1/2	11-1/2	97
JASR-19-505	14	27-1/2	21-3/4	10-3/4	10-7/8	5	3-3/4	2	2	19-3/4	11-1/2	118
JASR-19-506	20	40	28	14-1/2	14	6	6-1/4	2	2	25	16	201
JASR-19-507	20	40	28	14-1/2	14	8	5-3/16	2	2	29	16	299
JASR-19-508	30	56	41	19	20-1/2	10	9-1/8	2	2	25-1/2	24	563
JASR-19-509	30	56	41	19	20-1/2	12	8-1/8	2	2	26-1/2	24	647
JASR-19-510	36	79-3/4	46-3/8	31-1/2	23-3/16	14	10-3/16	2	2	42-1/4	30	1325
JASR-19-511	42	96	52	36	26	16	12-1/2	2	2	45-1/2	30	1350
JASR-19512	48	104	61-1/2	41	30-3/4	18	13-5/8	2	2	54	42	1985
JASR-19-513	54	115	66	45	33	20	16	2	2	60	48	3180
JASR-19-514	66	130	78	47-1/2	39	24	19	2	2	70	60	5475

Maximum Operating Conditions

Working temperature	375° F
Working pressure	150 PSI, sizes 14" and over = 125 PSI

Designed and Constructed per ASME Section VIII, Division 1.

Materials of Construction

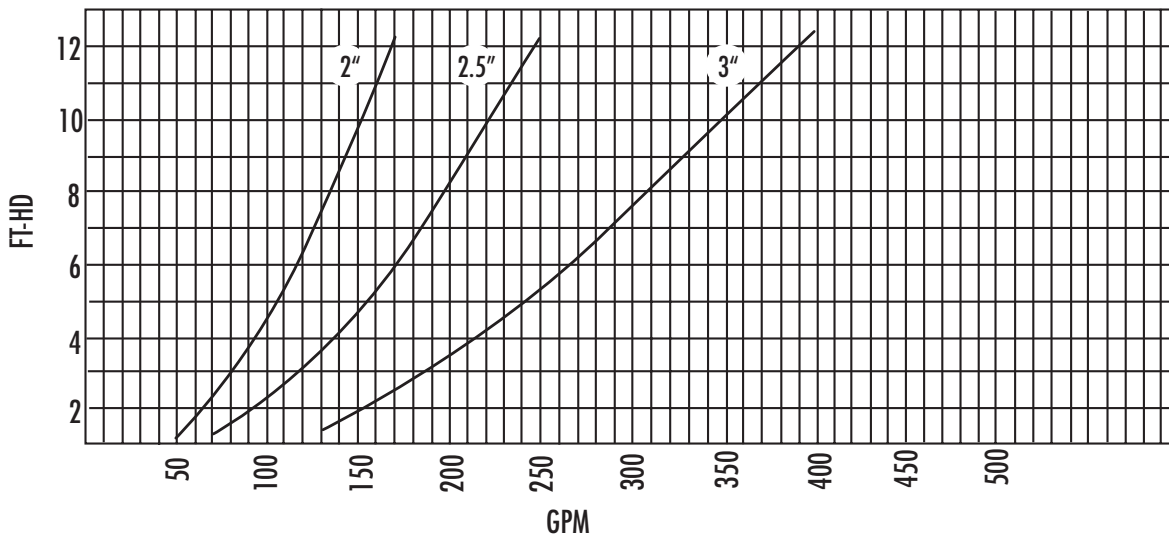
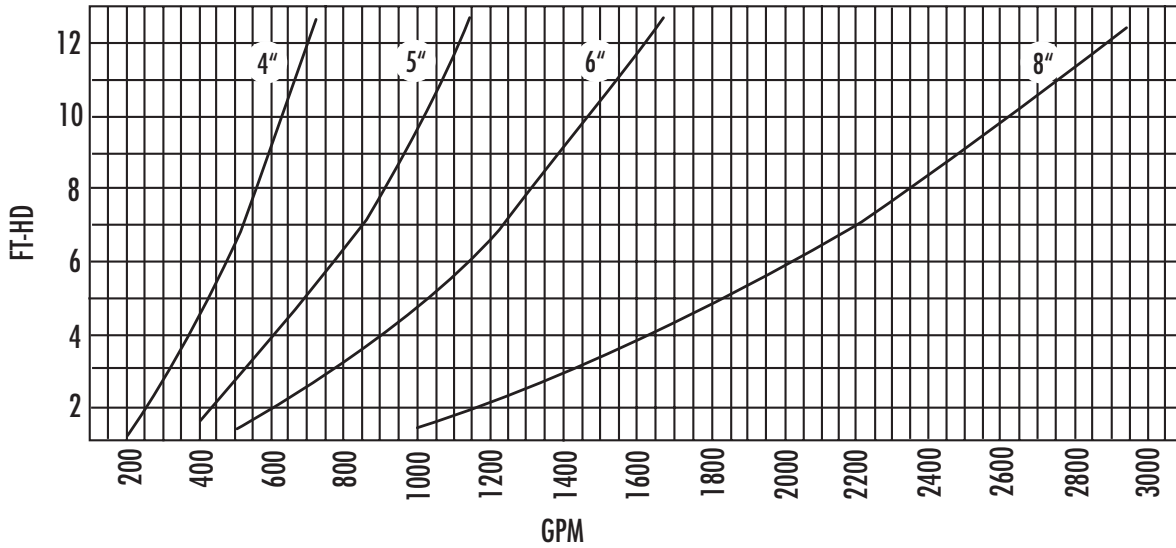
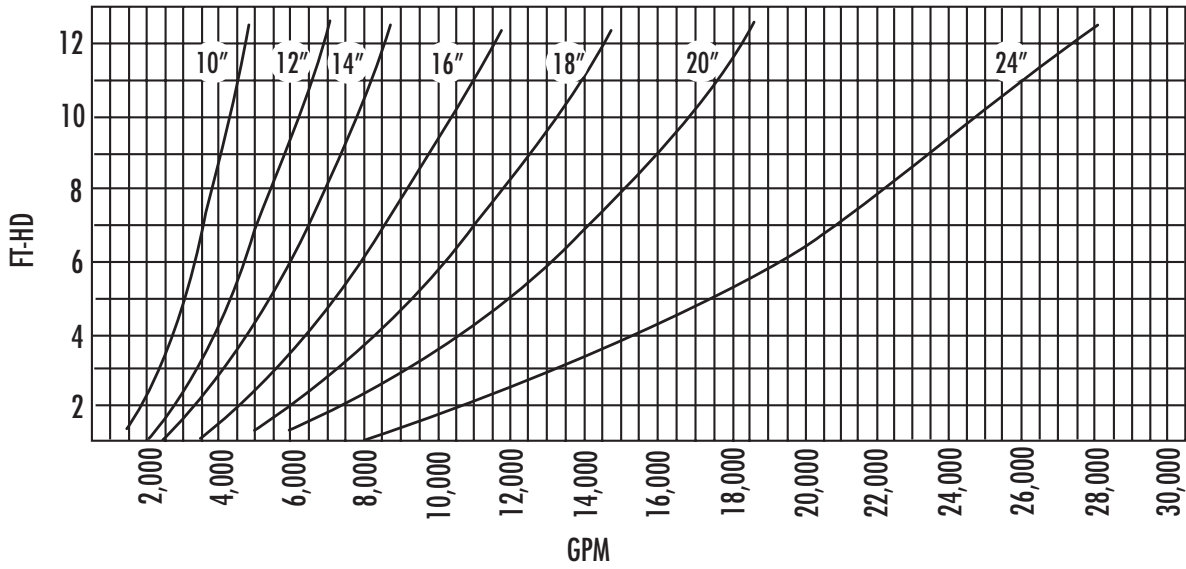
Body	Carbon Steel
Strainer	Stainless Steel

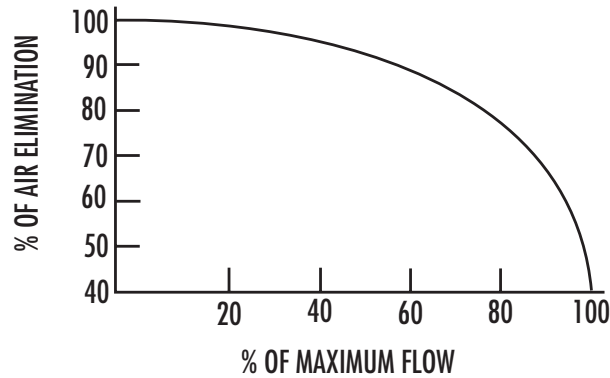
Notes:

1. Pipe Connections - 2" & 2-1/2" NPT : 3" & Larger - Flanged

AURORA ACCESSORIES

PRESSURE DROP CHART WITH STRAINER





1. DETERMINE ACTUAL SYSTEM FLOW RATE.
2. FIND THE MAXIMUM CAPACITY OF THE JWC MODEL SIZE (SEE TABLE BELOW).
3. USE THE FOLLOWING FORMULA:

$$\frac{\text{ACTUAL FLOW RATE}}{\text{FLOW CAPACITY}} \times 100 = \% \text{ OF MAX FLOW}$$

4. DRAW A VERTICAL LINE UP FROM THE X-AXIS ON THE AIR ELIMINATION EFFICIENCY GRAPH TO THE % AIR ELIMINATION CURVE LINE AND FIND THE PERCENTAGE OF AIR ELIMINATION.

SIZE	DESIGN CAPACITY GPM
2-1/2"	90 GPM
3"	190 GPM
4"	300 GPM
5"	500 GPM
6"	700 GPM
8"	1,300 GPM
10"	2,500 GPM
12"	3,500 GPM
14"	5,000 GPM
16"	7,000 GPM
18"	9,000 GPM
20"	12,000 GPM
24"	20,000 GPM