BURNHAM®
Commercial Boilers
AMERICA'S BOILER COMPANY

HVAC - WATER Pipe Capacities			
Pipe Size Sch 40	GPM range min/max	FPS range min/max	FT/100ft range min/max
3/4"	2/3.5	1.2/2.11	1.19/3.26
1"	4/8	1.48/2.97	1.27/4.5
1-1/4"	8/16	1.72/3.43	1.2/4.15
1-1/2"	16/22	2.52/3.47	1.93/3.48
2"	22/40	2.1/3.82	1.05/3.06
2-1/2"	40/70	2.68/4.69	1.26/3.6
3"	70/130	3.04/5.64	1.22/3.9
4"	130/260	3.28/6.55	1.0/3.72
5"	260/460	4.17/7.38	1.19/3.54
6"	450/700	5.0/7.77	1.34/3.13
8"	700/1500	4.49/9.62	0.78/3.38
10"	1500/2400	6.1/9.76	1.07/2.64
12"	2400/3500	6.88/10.0	1.09/2.26
14"	3500/4000	8.3/9.49	1.4/1.81
16"	4000/6000	7.25/10.89	0.92/2.01
18"	6000/7000	8.61/10.0	1.11/1.49
20"	7000/8000	8.08/9.23	0.86/1.12
24"	8000/12000	6.39/9.58	0.44/0.96
30"	12000/20000	5.93/9.88	0.29/0.77
36"	20000/30000	8.86/10.3	0.31/0.67

Data source is 1988 edition of Cameron Hydraulic Data

HVAC - STEAM Pipe Capacities						
Pipe Size Sch 40	5 psi	12 psi	30 psi	50 psi	100 psi	150 psi
3/4"	20	24	45	65	100	125
1"	37	46	85	110	175	240
1-1/4"	78	96	175	250	360	510
1-1/2"	120	147	235	390	530	750
2"	234	285	530	750	1,100	1,480
2-1/2"	378	460	810	1,400	1,600	2,500
3"	660	810	1,450	2,000	2,900	4,100
4"	1,410	1,690	2,100	4,200	6,000	8,500
5"	2,440	3,000	5,300	7,500	11,000	14,800
6"	3,960	4,850	8,800	12,500	17,500	25,000
8"	8,100	10,000	17,600	26,000	36,000	50,000
10"	15,000	18,200	33,000	58,000	65,000	112,000
12"	23,400	28,400	50,000	70,000	100,000	180,000
psi/100ft	1/4	1/4	1/2	5/8	3/4	1

Data source is 1989 ASHRAE Fundamentals handbook

HVAC - CONDENSATE Pipe Capacities						
Pipe Size Sch 40	5 psi	15 psi	30 psi	50 psi	100 psi	150 psi
3/4"	510	210	280	200	560	420
1"	1,000	400	530	380	1,060	800
1-1/4"	2,100	840	1,110	800	2,200	1,680
1-1/2"	3,170	1,270	1,670	1,200	3,320	2,500
2"	6,240	2,500	3,270	2,350	6,450	4,900
2-1/2"	10,000	4,030	5,250	3,780	10,300	7,800
3"	18,000	7,200	9,360	6,730	-	-
4"	37,200	14,900	19,200	13,800	-	-
psi/100ft	1/16	1/16	1/4	1/4	1	1

Backpressure in return piping is 0 psig for 5-50 psig columns and 15 psig for the 100 & 150 p
Data source is 1989 ASHRAE Fundamentals Handbook