



# Chemical Injection Technologies

## Technical Bulletin

### Chlorine and Sulfur Dioxide Vacuum Line Sizing Requirements

MAXIMUM GAS FEED RATE	LENGTH OF VACUUM LINE								
	100'	200'	300'	500'	1000'	1500'	2000'	2500'	3000'
	30m	60m	90m	150m	300m	450m	600m	750m	900m
50 PPD	3/8"	3/8"	1/2"	1/2"	1/2"	5/8"	5/8"	5/8"	3/4"
1000 GR/HR									
100 PPD	3/8"	1/2"	5/8"	5/8"	3/4"	3/4"	3/4"	3/4"	3/4"
2000 GR/HR									
200 PPD	1/2"	5/8"	3/4"	3/4"	1"	1"	1"	1"	1"
4 KG/HR									
500 PPD	5/8"	3/4"	1"	1"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	1 1/2"
10 KG.HR									
1000 PPD	1"	1 1/4"	1 1/4"	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"
20 KG/HR									
2000 PPD	1"	1 1/4"	1 1/2"	2"	2"	2"	2"	2"	2 1/2"
40 KG/HR									

NOTE: Vacuum line sizes up to and including  $\frac{1}{2}$ " are flexible tubing, expressed as outside diameter (O.D.). Line sizes over  $\frac{1}{2}$ " are rigid (hard) pipe.

Data is based upon calculations which allow no more than 5 inches water column of friction loss in piping for the total system.