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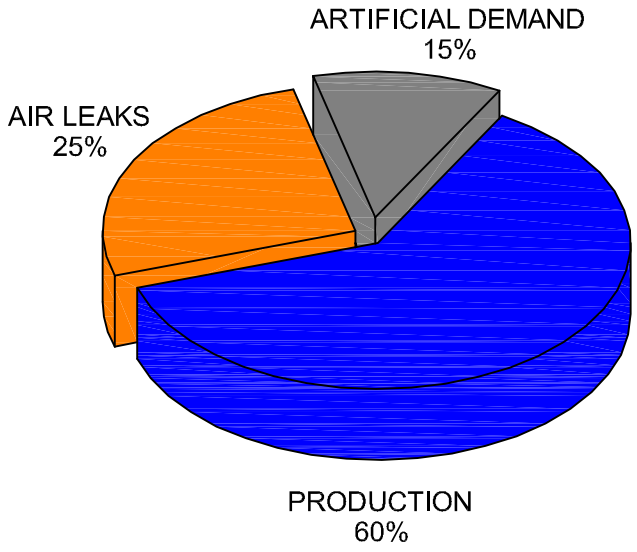
COMPRESSED AIR SYSTEMS

Energy costs are in America today are rising an all of Industry needs to do all we can do to conserve our resources. Two things dominate energy waste, leaks and artificial demand that is caused by improperly sized air mains and branch piping. Most of the air systems in existance today operate at artificially high pressures to compensate for flow functions and downstream pressure drops. At higher pressures, air users will use more air than needed to performspecific tasks. We recommend that all clients repair air leaks and size all piping properly. The Chart below is provided for your use to size future piping or re-size existing piping.



Recommended Air Line sizing

(CFM)	50 ft.	100 ft.	150 ft.	200 ft.	250 ft.	300 ft.	350 ft.	400 ft.	450 ft.	500 ft.	550 ft.	600 ft.	650 ft.	700 ft.	H.P.
10	¾"	¾"	1"	1"	1"	1"	1"	1"	1"	1"	1"	1"	1-¼"	1-¼"	2-½
25	1"	1"	1-¼"	1-¼"	1-¼"	1-¼"	1-¼"	1-½"	1-½"	1-½"	1-½"	1-½"	1-½"	1-½"	6
50	1-¼"	1-½"	1-½"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	12
100	1-½"	2"	2"	2"	2-½"	2-½"	2-½"	2-½"	2-½"	2-½"	3"	3"	3"	3"	25
200	2"	2-½"	2-½"	3"	3"	3"	3"	3"	3-½"	3-½"	3-½"	3-½"	3-½"	3-½"	50
300	2-½"	3"	3"	3-½"	3-½"	3-½"	3-½"	3-½"	4"	4"	4"	4"	4"	4"	75
400	3"	3"	3-½"	3-½"	4"	4"	4"	4"	4"	5"	5"	5"	5"	5"	100
600	3-½"	3-½"	4"	4"	5"	5"	5"	5"	5"	5"	5"	5"	6"	6"	150
800	3-½"	4"	5"	5"	5"	5"	6"	6"	6"	6"	6"	6"	6"	6"	200