



Blast and Air Supply Hose: Sizing for Maximum Productivity

Correct hose sizing is critical for productive and efficient blasting. Improperly sized hose will have a major effect on your blasting production, abrasive consumption, the surface finish, surface profile and the wear on your blasting equipment. It is very important to size hoses correctly for efficient blasting.

AIR SUPPLY HOSE : Minimum size – 4 times the blast nozzle orifice. Maximum size – no upper limit for air hose.

BLAST HOSE : Minimum size – 3 times the blast nozzle orifice. Maximum size – 5 times.

HOSE SELECTION GUIDE for blasting at 100psi nozzle pressure using Garnet Abrasive

Nozzle Number	No.4	No.5	No.6	No.7	No.8
Nozzle Size	¼" (6.5mm)	⅝" (8mm)	⅜" (9.5mm)	⅞" (11mm)	½" (12.5mm)
CFM at 100psi	103	158	229	312	407
Air Hose ID – minimum	1" (25mm)	1 ½" (38mm)	1 ½" (38mm)	2" (50mm)	2" (50mm)
Blast Hose ID – minimum	¾" (20mm)	1" (25mm)	1 ¼" (32mm)	1 ¼" (32mm)	1 ½" (38mm)

Keep hose lengths as short as possible. If extra lengths are required, it is better to run a longer air hose than blast hose, because the pressure loss is significantly lower in air hose.