

Technical Bulletin 13

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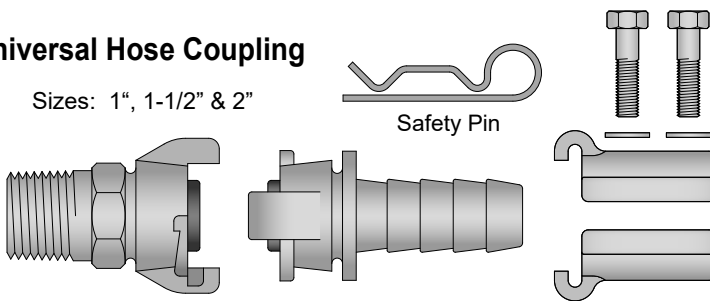
Hose Connections for Compressed Air

by Brian S. Elliott

There is seemingly an endless array of different compressed air connectors on the market. This is primarily because every manufacturer is making an effort to capture your business and hang on to it by selling proprietary connectors. In the real world, there are only three types of compressed air connectors, as shown in the illustrations below. One should always use one of these types of connectors. For smaller systems, screw connectors and industrial quick disconnects are standard. Both of these connectors are readily available in sizes ranging from 1/4" through 3/4". For larger systems, the universal hose couplings should be used. These couplings are generally available in three different sizes: 1", 1-1/2" and 2".

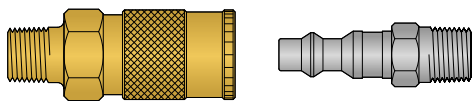
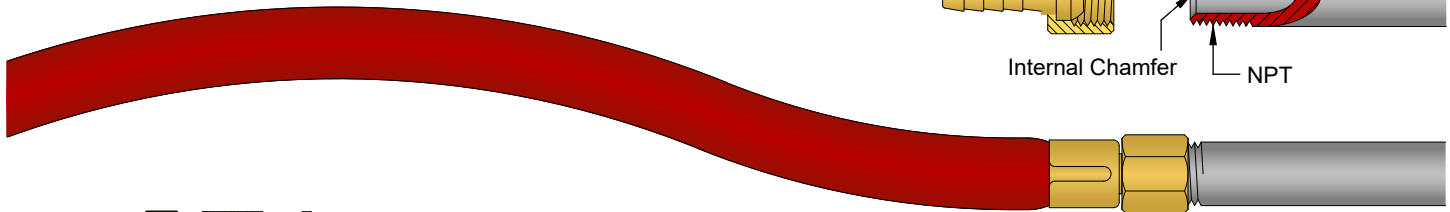
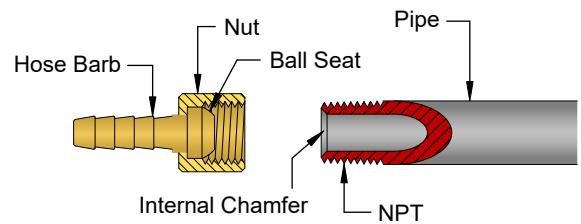
Universal Hose Coupling

Sizes: 1", 1-1/2" & 2"



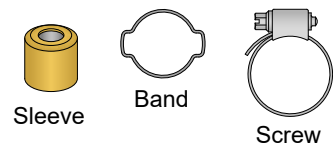
Sizes:
1/4", 3/8", 1/2" & 3/4"

Screw Connector

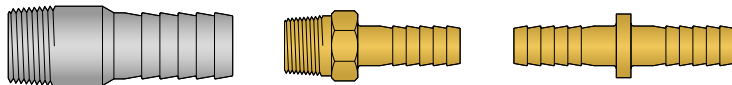


Industrial Quick Disconnect

Size	1/4"	7 SCFM	Flow Rate @ 100 PSI
	3/8"	15 SCFM	
	1/2"	28 SCFM	
	3/4"	63 SCFM	



Hose Clamps



Combination Nipple

(M) NPT x Hose Barb

Hose Mender

Hose Connectors

Air Options, Inc.

P.O. Box 35984

Houston, Texas 77235-5984

Ph.: 713-721-9619

E-Mail: Info@Air-Options.com

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