



Glossary of Terms

S

SCFM

Standard Cubic Feet per Minute. Typically refers to the amount of compressed air a compressor can produce.

Safety Factor

A ratio used to establish the working pressure of a hose based upon the burst pressure. Typical Safety Factors are as follows:

1. Water hose up to 150 psi WP: 3 to 1.
2. Hose for all other liquids, solid materials suspended in liquids or air and water hose over 150 psi WP: 4 to 1.
3. Hose for compressed air and other gases: 4 to 1.
4. Hose for liquid media that immediately changes into gas under standard atmospheric conditions: 5 to 1.
5. Steam hose: 10 to 1.

Serration

The part of the shank (stem) that grips the hose tube.

Shank

The section of the fitting or coupling that is inserted into the hose.

Sintered

Process in which powdered metal is formed in a mold under extreme pressure to form a finished part.

Surge

A rapid rise and decrease of internal pressure.

T

Torque

Amount of force required to turn an object. Usually measured in inch pounds (in. lbs.) or foot pounds (ft. lbs.)

Tube

The innermost part of the hose that's purpose is to contain the media being transported. Usually, rubber compounds or plastics are blended to give the tube specific properties so that it is compatible with certain media.

U

UHMW

Ultra High Molecular Weight. Next generation of chemical hoses after cross-linked polyethylene having a thin tube liner made from extremely dense material giving it excellent chemical resistance properties.

V

Victaulic Groove

A style of couplings that has a groove cut near the end of the stem where threads would typically be. The couplings are attached using a "C" shaped clamp that fits into the grooves on the stem.

W

WOG

Water, Oil, Gas. Pressure rating for valves handling these products. This does not include steam.

WP

Working Pressure

Working Pressure

The maximum pressure to which a hose assembly will be subjected to including pressure surges.

X

XLPE

Cross-Linked Polyethylene. Tube material that has good chemical resistance properties.