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Hose Safety and Selection

As a guide to determine the correct hose, coupling and attachment method for a particular application, the hose industry uses the simple acronym 'STAMPED' as defined by The Association for Hose & Accessories Distribution Inc (NAHAD). For comprehensive information please refer to the NAHAD Hose Safety Institute Handbook.

STAMPED

Size	What is the Inside Diameter (I.D.) and length required? Are there any Outside Diameter (O.D.) constraints? Tolerances need to be specified if special requirements exist.
Temperature	What is the temperature range of the product being conveyed? What is the environmental temperature that the hose will be subjected to?
Application	What kind of equipment is the hose being fitted to? Bend radius/flexibility requirements? What is the external environment the hose will be subjected to? Consider excessive abrasion, position of hose, indoor or outdoor use, intermittent or continuous service, electrical conductivity needs.
Material/Media	What is the material being conveyed? Determine type, concentration and consistency (if required)
Pressure	What working pressure/vacuum is the hose being used at? What is the maximum pressure the hose will be exposed to (pressure spikes)? Consider any temperature implications on pressure.
Ends	What fittings/couplings need to be fitted on the ends – discuss style, type, size, orientation, material and attachment method. Are there any testing requirements?
Delivery	When is the hose required? Determine pick up/delivery arrangements.

PREVENTION IS ALWAYS BETTER THAN THE CURE

Hose couplings have been carefully engineered to meet specific requirements with large safety margins. All hose assemblies should be treated with respect as potential hazards. If hose or couplings are not used in their correct applications or are not correctly maintained, accidents and downtime can result. Worn out fittings should be replaced, safety retaining devices such as clips, chains or cables should be used and clamps should be checked/re-tightened regularly. It is up to the end user to inform the distributor of the application and pressures involved when ordering hose assemblies and up to the distributor to supply the right hose and couplings for that application. When in doubt we are here to help you with a recommendation.