Selecting the Proper Hose Assembly

In order to obtain the best service from any particular hose application, two important conditions must be fulfilled.
1) Select the right hose for the job.
2) Make sure that it is fitted correctly and used in the proper manner.

Carefully consider the application requirements. A helpful guide is the S.T.A.M.P.E.D. process. S.T.A.M.P.E.D. is an acronym and stands for the seven major information areas required to provide a quality hose assembly

S **SIZE** – ID, OD, and length of the assembly

T **TEMPERATURE** – includes temperature of fluid conveyed and the climatic conditions

A **APPLICATION** – the conditions of use, including abrasion, flexing and routing

M **MATERIAL** – type of material conveyed, including composition and concentration

P **PRESSURE** – hose assembly working pressure and surge or back pressure

E **ENDS** – definition of the fitting, including thread type, gender, bent tube, swivel and orientation

D **DELIVERY** – time allowed for delivery, including testing, quality assurance and packaging

To assist in obtaining and conveying information regarding the application, a copy of the S.T.A.M.P.E.D. application form is included in this catalog. This inquiry sheet can be sent to any Continental ContiTech authorized distributor for a hose recommendation.

Please Note:
A hose should always be selected based on its **rated working pressure**. Do not use **minimum burst pressure** as a guideline in selecting the hose. Minimum burst pressure decreases over the use and life of the hose. A hose should be selected based on its rated working pressure to provide a normal service life. In addition, always select a hose by giving consideration to its recommended temperature limits. Hose service life is reduced if the temperatures of the fluids being conveyed or ambient temperatures exceed the recommended limits.

S.T.A.M.P.E.D. Form

Size	
ID	
OD	
Hose Length (OAL or uncpld. lgth.)	
Tolerances	
Temperature	
of Material Being Conveyed	
(high, low, ambient)	
of Outside Exposure (high, low, ambient)	
Intermittent?	
Constant?	
Sub-Zero Exposure	
Application(s)	
Indoor and/or Outdoor Use	
Intermittent or Continuous Use	
Flexibility Required (min. bend radius)	
Movement (static, vibrations, flexing)	
External Conditions:	
Abrasion	
Oil	
Solvents	
Acid	
Ozone	
Electrical/Static Conductive	
Oil Resistance:	
Tube	
Cover	
Flame Resistance	
Noncontaminating Materials	
Hose Currently in Use	
Current Hose Service Life/Failure Description	
Service Life Desired	
Material(s) Being Conveyed	
Solids (size, description)	
Gaseous (volatility, inert)	
Liquids (flammability, causticity, acid, alkaline, solution/concentration)	
Chemical Names (generic)	

Pressures(s)	
Working Pressure (including surges)	
Burst Pressure	
Suction or Vacuum Requirements	
Velocity	
Impulse	
Ends & Fittings	
Type of Threads	
Male/Female	
Reusable/Nonreusable	
Material for Fittings	
Swivel or Non-Swivel	
Straight or Bent Tube	
Fitting 1 & 2 Orientation	
Other	
Cut to Length	
Crimp Specs or Crimper Used	
Delivery	
Lead Time	
Quantity	
Stock/Nonstock	
Special Print	
Special Packaging	
Other Information	
Customer:	Date:
Customer No:	
Ship To:	
Bill To:	
Telephone:	Fax:

Bolded block areas MUST be filled out on all inquiries.