



Hydraulic Hose Tutorial

How to navigate the Hydraulic Hose portion of this section

- Familiarize yourself with the basics on thermoplastic and hybrid hoses below
- Use the **STAMPED guide** (Size, Temperature, Application, Media, Pressure, End Configuration, and Delivered Preferences) **on page 5** to help narrow your search for the desired product
- Review the **symbols on page ii** and **nomenclature information on page 8** - this will clear up any questions on assemblies, component call outs, and general definitions - examples are provided
- The **Parflex Hose Quick Guide** will help pinpoint the hose you require. It will help you identify individual hoses by:
 - 1) Brief general description
 - 2) Specific size with corresponding working pressure
 - 3) Industry specification (eg. SAE)
 - 4) Core tube material
 - 5) Reinforcement/ type of construction
 - 6) Cover Material
 - 7) Specific page number where further detailed product information can be found
- A **visual index of fittings** follows the hose portion of this section **on page 37**. This will quickly help you identify the configurations you are looking for

General Construction- Construction standards may vary between specific thermoplastic hoses. All hose layers however, are bonded to provide maximum kink resistance and flexibility through a wide range of applications. Tightly packed fiber braided reinforcement provides strength for optimum performance. Specific braid materials, wire reinforcements, spiral reinforcements, and distinguishing features are clearly called out in this section. Perforated and non-perforated hoses are available based on application.

WITH NOTED EXCEPTIONS, Parflex hoses are engineered and manufactured to a 4:1 burst pressure to working pressure ratio that follows SAE design standards. Never operate a hose beyond its published working pressure.

(Working Pressure x 4 =Minimum Burst)

Why you should choose and use Parflex® Thermoplastic and Hybrid Hoses

Listed on the following pages are the many reasons why you should consider Parflex thermoplastic hoses for your next hydraulic or pneumatic application. This summary gives an overview of the features, advantages, and benefits, in general, to our fine and extensive line of thermoplastic hoses. Each hose is described in detail within this catalog. **We urge you to review this section** before you proceed with your selection.

For additional information regarding Hose Products Division fittings, equipment or accessories please consult Catalog 4400 or www.parkerhose.com.