

Hose Selection Worksheet

This worksheet is designed to help you organize information for determining the best hose for a given application. The questions are based on the hose selection factors described earlier in this catalog.

When selecting a hose, always use this worksheet in conjunction with this catalog. Read all instructions concerning the hose you are selecting. If any questions arise contact Eaton Technical Support at 1-888-258-0222.

1. Application

If the application is new, what service is to be performed? _____

If it is an existing application, do not replace a failed hose without finding out the cause of the failure.

The hose may have been specified incorrectly originally. Ask the following questions:

What hose was in use? _____

Why did it fail? _____

How long did the hose last? _____

Have the service conditions changed since the failed hose was installed? _____

Any movement during loading or unloading process such as flexing or other repetitive motion? _____

What other hose conditions exist in addition to the one at the failure point? _____

Was hose cleaned and dried prior to transferring the next material? _____

Examine other hoses in similar service to avoid unexpected failures. _____

2. Pressure & Suction

What working pressure is required? _____

Are pressure surges involved in this application? How high? _____

What safety factor is required? _____

Is this a suction application? What vacuum rating is required? _____

3. Environment & Compatibility

Internal and external environment consideration. Internal environment relates to the material being conveyed. External environment relates to anything originating from outside the hose. Check all that apply.

- Abrasive materials (conveyants and external)
- Ozone
- Petroleum products (aromatics, aliphatics, etc.)
- Materials that could cut or gouge hose
- Animal fats (oils)
- Sparking or flames
- Solvents
- Cleaning with steam
- Acids/caustics

Material to be transferred? _____

Material concentration (%)? _____

What hose cleaning solution(s) will be used? _____
