Quick Reference Fitting Guide
For North American Fitting & Control Valves Catalog – Edition 8.0 (April 2009)

6000 Series  Brass Nickel Plated Brass Fitting Guide:
No Prefix = On a threaded fitting, it indicates the standard length NPT style thread. You must apply a liquid or tape type of pipe sealant. One exception to this is on the 10/32 style thread. Accepts INCH size tube only. See pages 6-23
C = Prefix indicates NPT style threaded fitting with Teflon coated threads, no need for additional sealing materials. Accepts INCH size tube only. See pages 6-23
P = Prefix indicates Pro-Fit style fitting with a PTFE seal ring that can be installed into a female thread with either NPT, BSPP** or BSPT threads. Accepts INCH size tube only. See pages 6-23
S = Prefix indicates Sprint style fitting with a PTFE seal ring that can be installed into a female thread with either NPT, BSPP** or BSPT threads. Accepts METRIC size tube only. See pages 40-59
D = Prefix indicates DOT NPT style fitting, meets Department of Transportation requirements. See pages 31-35
Working Pressure 0-800PSI, with special -40 degree F fittings available on request.
For use with DOT approved NYLON tubing, accepts INCH size tube only.

NOTE: The exception to the No Prefix rule on the “C”, “P” and “S” series are the TUBE-TO-TUBE style fittings, in both inch and metric sizes.

7000 Series  Composite Fitting Guide:
P = Prefix indicates Pro-Fit style fitting for INCH size tubing with a PTFE seal ring that has a Multiple sealant system that can be installed into a NPT or BSP female threaded port. See pages 24-30
No Prefix = On a threaded fitting, it indicates that it’s for METRIC size tubing and the threads have a Buna-N spot face seal that can be installed into a NPT or BSP female threaded port. See pages 60 to 68

NOTE: The exception to the No Prefix rule is on the TUBE-TO-TUBE style fittings, both in inch and metric sizes.

8000 Series  Dual Seal Nickel Plated Brass Fitting Guide:
Pressure range up to 870 psi, with two O-rings at tube connection.
Accepts METRIC size tubing and only available with BSPP** threads. See page 70-73

** BSPP (British Standard Pipe Parallel) thread fittings typically utilize an “O” ring type thread seal.

Pipe Fittings and Adapters
NPT Pipe Fittings and Adapters- See page 36-39
BSPP and BSPT Pipe Fittings and Adapters- See page 74-85

FYI Tubing Note: 4mm O.D. tubing is dimensionally the same as 5/32” O.D. tubing
8mm O.D. tubing is dimensionally the same as 5/16” O.D. tubing
All other inch tubing size (1/8”, 1/4”, 3/8” and 1/2”) will not dimensionally interchange with metric sizes.

FYI Thread Note: You can assemble a 10/32” male threaded fitting into a female M5 thread, however it is not recommended to assemble an M5 male threaded fitting into a 10/32” female thread.

See front pages of catalog for NPT, BSPT and BSPP thread comparison.
**NPT – BSPT – BSPP – METRIC**

**QUICK SIZING GUIDE**

- **NPT**
  - 1/2"
  - 3/8"
  - 1/4"
  - 1/8"

- **BSPT**
  - R1/2"
  - R3/8"
  - R1/4"
  - R1/8"

- **BSPP**
  - G1/2"
  - G3/8"
  - G1/4"
  - G1/8"

- **Metric**
  - M7
  - M5
  - M3
  - 10-32 UNF

**Note:** Additional dimension information on the NPT, Unified, General Metric, British Standard Pipe, Japanese Standard and ISO Metric size threads can be found on pages 188 to 194 in this catalog.