

What is the difference between NPT and NPS thread

NPS = National Pipe Straight

NPT = National Pipe Thread

Both NPT and NPS have the same thread angle, shape, and pitch (threads per inch). However, NPT threads are tapered and NPS threads are straight (parallel). Both threads have a 60° included angle and have flat peaks and valleys.

Tapered Pipe Thread is commonly found on ends of pipe, nipples and fittings (i.e. couplings, elbows, tees, etc.). Note Sharply angled threads are very critical to joint being tight with no leaks. Thread sealant or tape is typically required to complete the seal.

Straight Pipe Threads need a gasket or O-ring to create a seal.

While NPT and NPS threads will engage, they do not seal properly with each other.

If You Need Additional Information Please Contact Baytec Containers 800-560-2334