

SUPPLY CONNECTIONS



Ambassador Marine faucets, showers, sprayers, etc. have NPS fittings, which is the standard connection for faucets sold in North America. However, there are many acronyms used for this common fitting. Many manufacturers (faucet, hose, supply line and/or adapter manufacturers) specify NPT, IPS, FIP/MIP and/or FPT/MPT fittings, but **almost all are interchangeable**; one primary exception – the fitting must NOT have tapered threads. Often, the “T” in NPT or FPT/MPT is used to represent “Tapered” instead of “Thread”.

Due to the many acronyms for the same fittings and multiple definitions of specific acronyms, in North America, many faucet connections are often referred to simply as – 1/2" Faucet

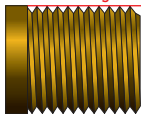
COMMON FITTINGS IN THE PLUMBING MARKET		
Acronym	Definition	Compatible with Ambassador Marine Supply Connection
NPS	National Pipe Straight National Pipe Standard	✓ ✓
NPT	National Pipe Thread National Pipe <u>Tapered</u> National Pipe Thread (<u>Tapered</u>)	✓ ✗ ✗
IPS	International Pipe Size International Pipe Standard Iron* Pipe Size Iron* Pipe Standard	✓ ✓ ✓ ✓
FIP	Female Iron* Pipe Female International Pipe	✓ ✓
MIP	Male Iron* Pipe Male International Pipe	✓ ✓
FPT	Female Pipe Thread Female Pipe <u>Tapered</u> Female Pipe Thread (<u>Tapered</u>)	✓ ✗ ✗
MPT	Male Pipe Thread Male Pipe <u>Tapered</u> Male Pipe Thread (<u>Tapered</u>)	✓ ✗ ✗
GHT	Garden Hose Thread	✗
BSP	British Standard Pipe <i>BSP is the standard fitting, adopted worldwide, EXCEPT in North America.</i>	✗

* Although it refers to “Iron”, actual material may differ. Today, iron is rarely used in plumbing, as it has been replaced with safer materials such as brass, PEX, PVC and other composites.

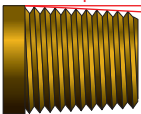
Supply Connections – Tapered vs. Straight

* Understanding **NPS vs. NPT**

Straight Threads (Male)



Tapered Threads (Male)



NPS = National Pipe Straight
NPT = National Pipe Tapered
 (-M = Male -F = Female)

Plumbing fittings are commonly referred to as “NPT”, however, in reality, nearly all faucets are actually “NPS”. NPS is the North American “**STANDARD**” for faucets, regardless of brand, style, application, etc. Outside North America, BSP is the most commonly used standard.

Both NPS and NPT have the same thread angle, shape, and pitch (threads per inch). However, NPS threads are straight (parallel) and NPT threads are tapered (reduced). Straight Pipe thread is commonly found on faucets, showerheads, hose connections and fittings. Tapered Pipe thread is commonly found on pipe ends, nipples and fittings (i.e. couplings, elbows, tees, etc.). Straight Pipe threads need a gasket or o-ring to create a seal. Both styles require sealant or plumber’s tape for optimal seal. While NPS and NPT threads will engage, they do not seal properly with each other.