



JIC AN Explained

It's taken 50 years of concentrated effort to standardise the hundred or so individual (and incompatible!) plumbing systems that once existed. The military dubbed the new standard as "Army-Navy" (AN) and forms the basis of the current worldwide standard. A group of engineering concerns further developed this at a "Joint Industry Council" (JIC) to reduce the variations still further. Speedflow, as with all our competitors, use the JIC format as a basis for all the plumbing systems - so everything is compatible with everything else. You can now design your plumbing system and need be concerned only with how to mate the JIC format to whatever you have.

For reference, the threads used by JIC (and AN) are as follows:-

JIC size	Thread size	Thread pitch
-03	3/8" UNF	24 TPI
-04	7/16" UNF	20 TPI
-06	9/16" UNF	18 TPI
-08	3/4" UNF	16 TPI
-10	7/8" UNF	14 TPI
-12	1-1/16" UNF	12 TPI
-16	1-5/16" UNF	12 TPI
-20	1-5/8" UNF	12 TPI

It's easier to show than describe, so...

The left side of this male-to-male fitting (it's actually an adaptor) is the JIC side, this is recognised by the 37 degree cone which provides the mating seal into a 37 degree "female" JIC port. This unit is called an adaptor because the other (right) side has a different thread - it effectively "adapts" a JIC system to another system.

