

# ABOUT Firelce® HOSE THREADS



NATIONAL HOSE **NH**  **NST** NATIONAL STANDARD THREAD



- EDUCTOR



ADAPTER -

All equipment sold by GelTech Solutions utilizes the "National Hose" or "NH". This same thread is also commonly known as "National Standard Thread" or "NST".

If a sales prospect is using anything other than "NH" or "NST", an adapter will be required.

An adapter is a fitting that facilitates the connection of different thread types. For example, if a fire department uses "National Pipe Straight Hose Threads" or "NPSH" an adapter will be required to go from the NPSH thread to the GelTech NH thread.

When stating that an adapter "goes from" NPSH to NH, that means the female threads inside of the fitting are NPSH and the male threads outside of the fitting are NH.

On the above example, the adapter will screw onto a NPSH hose, and the Firelce eductor will screw onto the adapter, NH.

An adapter may also be used on both ends of the Firelce eductor. The adapter will connect to the male NPSH thread, then to the eductor, a second adapter connects the the opposite end of the eductor and the customer's hose attaches to the male end of the second adapter.

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## COMMONLY USED THREADS

Note: NPT threads are not available on female swivels.

| SIZE   | NATIONAL STANDARD NH (NST) |     | STRAIGHT IRON PIPE NPSH (IPT) |      | GARDEN HOSE GHT |      | BRITISH STD PIPE BSP |    | NEW YORK CORP NYC |     | NEW YORK CITY FD FDNY |     | PACIFIC COAST PCT |      | CHICAGO HOSE |      | CHICAGO FIRE DEPT CFD |      | NAVY HOSE |     |
|--------|----------------------------|-----|-------------------------------|------|-----------------|------|----------------------|----|-------------------|-----|-----------------------|-----|-------------------|------|--------------|------|-----------------------|------|-----------|-----|
|        | ODM                        | TPI | ODM                           | TPI  | ODM             | TPI  |                      |    | ODM               | TPI | ODM                   | TPI | ODM               | TPI  | ODM          | TPI  | ODM                   | TPI  | ODM       | TPI |
| 3/4"   | 1.375                      | 8   | 1.035                         | 14   | 1.062           | 11.5 | 1.041                | 14 |                   |     |                       |     | 1.062             | 11   | 1.081        | 11.5 |                       |      |           |     |
| 1"     | 1.375                      | 8   | 1.295                         | 11.5 |                 |      | 1.309                | 11 |                   |     | 1.660                 | 8   | 1.312             | 11.5 | 1.295        | 11.5 |                       |      |           |     |
| 1 1/2" | 1.990                      | 9   | 1.878                         | 11.5 |                 |      | 1.882                | 11 | 2.093             | 11  | 2.100                 | 8   | 2.100             | 11   | 1.946        | 11.5 | 1.933                 | 11.5 |           |     |
| 2"     | 2.515                      | 8   | 2.352                         | 11.5 |                 |      | 2.347                | 11 | 2.547             | 11  | 2.530                 | 8   | 2.550             | 10   | 2.522        | 8    |                       |      |           |     |
| 2 1/2" | 3.068                      | 7.5 | 2.841                         | 8    |                 |      | 2.960                | 11 | 3.000             | 8   | 3.030                 | 8   | 3.035             | 7.5  | 3.043        | 7    | 2.990                 | 7.5  |           |     |
| 3"     | 3.623                      | 6   | 3.470                         | 8    |                 |      | 3.460                | 11 |                   |     | 3.630                 | 8   |                   |      |              |      |                       |      |           |     |
| 3 1/2" | 4.243                      | 6   | 3.970                         | 8    |                 |      | 3.950                | 11 |                   |     | 4.070                 | 8   |                   |      |              |      | 4.052                 | 8    |           |     |
| 4"     | 5.010                      | 4   | 4.470                         | 8    |                 |      | 4.450                | 11 |                   |     | 4.610                 | 8   | 4.828             | 6    |              |      | 5.011                 | 4    | 4.908     | 6   |
| 4 1/2" | 5.760                      | 4   | 4.970                         | 8    |                 |      |                      |    |                   |     | 5.800                 | 4   |                   |      |              |      | 5.761                 | 4    |           |     |
| 5"     | 6.260                      | 4   |                               |      |                 |      | 5.450                | 11 |                   |     | 6.260                 | 4   |                   |      |              |      | 6.260                 | 4    |           |     |
| 6"     | 7.025                      | 4   |                               |      |                 |      | 6.450                | 11 |                   |     | 7.025                 | 4   |                   |      |              |      | 7.025                 | 4    |           |     |

Abbreviation for Tapered Iron Pipe Thread is NPT (National Pipe Tapered) or TIPT. NPT threads are not available on female swivels.

Standard threads for Red Head are National Standard (NH or NST), Straight Iron Pipe (NPSH, IPT, or SIPT), Garden Hose (GHT), and Tapered Iron Pipe (NPT, TPT, or TIPT).

### OTHER U.S. STANDARD 2 1/2" HOSE THREADS

| CITY                 | IDM    | TPI |
|----------------------|--------|-----|
| Buffalo, NY          | 3.0625 | 8   |
| Cincinnati, OH (New) | 3.0580 | 6   |
| Cleveland, OH        | 3.0781 | 8   |
| Denver, CO           | 3.0920 | 8   |
| Detroit, MI          | 3.1250 | 7.5 |
| Omaha, NE            | 3.0781 | 8   |
| Phoenix, AZ (Old)    | 3.0620 | 6   |
| Pittsburgh, PA       | 3.0625 | 6   |
| Salt Lake City, UT   | 3.2500 | 6   |
| Toledo, OH           | 3.0000 | 8   |

### OTHER CANADIAN STANDARD 2 1/2" HOSE THREADS

|      |                             | ODM   | TPI |
|------|-----------------------------|-------|-----|
| AMA  | Alberta Mutual Aid          | 2.990 | 8   |
| BCT  | British Columbia            | 3.000 | 8   |
| CSA  | Canadian Standards Assoc.   | 3.125 | 5   |
| QST  | Province of Quebec Std.     | 3.031 | 7   |
| WCT  | Western Canada Fire Under   | 3.250 | 6   |
| NOVA | Nova Scotia- Zone 1         | 3.234 | 5   |
| QMT  | Quebec/Montreal Combination | 3.031 | 7   |



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