

# dti™ DIAMOND GUARD FILTER

## INSTALLATION GUIDE

### QUESTIONS ABOUT INSTALLING YOUR FILTER?

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dti™'s Diamond Guard Filters & Adapters allow for ease of installation in any waterjet system's 1/4" or 3/8" high pressure lines. The DG Filter is installed as close to the waterjet orifice assembly as possible, with the most common location being in the HP fitting at the on/off valve assembly. The three following examples give instructions on how to install your DG filter & protect your diamond, tetraCORE™ & ruby orifices.

### THIS FILTER IS ALSO COMMONLY KNOWN AS:

Witch Hat Filter    Diamond Guard Filter/DG Filter    Thimble Filter  
Cone Filter        Last Chance Filter

### EXAMPLE 1

When the 1/4" high pressure line runs directly into a mounting block, which then goes into a valve body, this is where the 3/8" Male to 1/4" Female adapter is located (MA-FIL-07).

### EXAMPLE 2

When the high pressure line is connected directly into the valve body, this is where the 3/8" Female and 3/8" Male adapter is located (MA-FIL-02).

### EXAMPLE 3

When there is no standard fitting that goes directly into the HP valve body, a 3/8" line goes directly to the cutting head from a 3/8" HP elbow and the whip line is connected at the elbow. A 1/4" Female by 3/8" Male adapter is inserted where the whip connects to the elbow (MA-FIL-07).

