

Aspirator Mixer Identification Guide

The intent of this section is to help people identify North American 3065 aspirator mixers. There are a number of things to know about North American product designations, and markings on castings.

1. Numbers cast into North American products are usually not product numbers. They are casting part numbers which are often used for multiple products, and machined differently.

2. Most North American products have a four digit product number. If the product is available with different capacities the number will be followed by a dash and a second one or two digit number (like 3065-3). The product is a 3065 and the capacity size is a -3. Extra characters in a product designation denote other options.

3. North American products prior to the 1970's had only two or three digit product numbers, the 3065 mixers were originally known as "65" mixers.

4. The North American capacity code is based on the air inlet pipe size:

- | | | |
|---------------|--------------|---------------|
| -0 = ¾" pipe | -1 = 1" pipe | -2 = 1¼" pipe |
| -3 = 1½" pipe | -4 = 2" pipe | -5 = 2½" pipe |
| -6 = 3" pipe | -7 = 4" pipe | -8 = 6" pipe |
| -9 = 8" pipe | | |

For -10 and above the "-" size equals the air inlet size in inches. Normally only even numbers are used.

5. Knowing the pipe size and using the dimension sheets are very helpful for identifying mixers, but sometimes there are multiple sizes with the same pipe size code.

Example: 3065-7-S mixers have higher capacity than 3065-7 mixers, but the only way to know the difference is to examine the mixer for an "S" stamp or measure the throat dimension.

4014 PILOT with INTEGRATED 3065 MIXER

4014 gas boosted pilots are supplied with an integrated 3065 mixer. Instead of a displacement rod there is a hollow gas tube that supplies raw boost gas to the center of the pilot, which lengthens the pilot flame. They are available in pilot sizes from 1¼" to 2½". Note that the 4014-3-BT and 4014-4-T sizes use special modified 3065 mixers, while the smaller sizes use standard 3065 mixers.

Table 9.

4014 Pilot Designation	4014 Pilot Exit Thread Size	Mixer Designation	Mixer Inlet Thread Size
4014-1-T	1¼"	3065-1	1"
4014-2-AT	1½"	3065-2	1¼"
4014-3-AT	2"	3065-3	1½"
4014-3-BT	2"	3065-4-#3	2"
4014-4-T	2½"	3065-4-#2	2"

For more information see the following product bulletins:
Sheet 4014



4014-4-T pilot ready to ship