

3/4" 4000 Series Pilot Mixer Identification

Pilot mixers are small aspirator mixers used to supply an air/gas premix to a burner pilot. Multiple pilots tips are sometimes feed from a single 3065 aspirator mixer, but it is more common and reliable to feed small 3/4" pilot tips with a single small 3065 or a 4000 series pilot mixer.



For more information see the following product bulletins:

- Bulletin 4011/4021
- Sheet 4031-1

4031 3/4" pilot mixer, it has the following characteristics:

- 3/4" NPT air inlet labeled "AIR"
- 3/4" NPT premix outlet labeled with an arrow showing flow direction
- 3/8" NPT gas inlet labeled "GAS"
- 1/8" NPT pressure taps for air inlet and outlet premix pressures
- A slotted screw and locking nut for gas adjustment
- The classic round NA logo with a flame
- The text "PILOT MIXER" and "4-6131"
- The 4-6131 number is a casting identification number

The 4031 is the most popular North American pilot mixer, and is suitable for use with all North American 3/4" premix pilot tips when cross-connected to a pilot regulator like the 7350.

The mixers below are obsolete and can be replaced with the 4031



4035-01 / 4031V-01 3/4" pilot mixer:

- 1/2" NPT air inlet labeled "AIR"
- 1/2" NPT premix outlet labeled with an arrow showing flow direction
- 3/8" NPT gas inlet labeled "GAS"
- A red rectangle tag with the text "4035" and "PILOT MIXER"
- On one side the text "NORTH AMERICAN MFG. CO."
- On the other side the text "CLEVELAND OHIO"
- The casting identification part number "4-3337"
- The "4035V-01" type has a screw to adjust gas flow

4035-02 / 4035V-02 / 152 / 153 1/2" pilot mixer:

- 3/8" NPT air inlet labeled "AIR"
- 1/2" NPT premix outlet labeled with an arrow showing flow direction
- 1/4" NPT gas inlet labeled "GAS"
- On one side the text "NORTH AMERICAN MFG. CO."
- On the other side the text "CLEVE OHIO"
- The "4035V-02" type has a screw to adjust gas flow
- The casting identification part number "4-2729"

WARNING: Situations dangerous to personnel and property may exist with the operation and maintenance of any combustion equipment. The presence of fuels, oxidants, hot and cold combustion products, hot surfaces, electrical power in control and ignition circuits, etc., are inherent with any combustion application. Components in combustion systems may exceed 160°F (71°C) surface temperatures and present hot surface contact hazard. Fives North American Combustion, Inc. suggests the use of combustion systems that are in compliance with all Safety Codes, Standards, Regulations and Directives; and care in operation.

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