

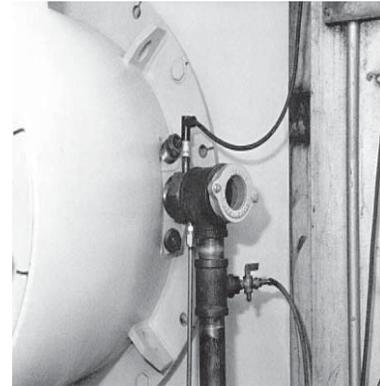
## North American Nozzle-Mix Gas Pilots for Industrial Burners

The 4020 Nozzle-Mix Pilots are used to light burners as alternatives to raw gas pilots or gas boosted premix pilot tips. In addition, they can be used as small burners. Nozzle-mix pilots operate with a wider stability range and with fewer components (such as mixers and boost gas tubes) to offer the ultimate price/performance ratio. To serve a wide range of applications, the pilot tip body is available from ¾" to 4" and in three different styles: Low Pressure (LP), High Pressure (HP), and Cool Boss (CB).

4020 Pilots are not recommended for the 4796/6796 Magna-Flame Burner. See individual burner literature for recommended pilots.

The "LP" version, designed to be used in place of some raw gas pilots, is an ultra low pressure pilot requiring air pressures between 0.1 and 1 osi. The "HP" version requires 1-16 osi of air pressure and can operate with a cross connected pilot regulator. The "CB" version has extra air passages to keep the mounting boss cool and operates with the same air pressure requirements as the "HP" version. The -6 and -7 pilot bodies are "sandwiched" between the metal tile and a four bolt flange. The -6 and -7 sizes have replaceable metal tiles in a number of outlet diameters, so a larger pilot can mount on a smaller pilot boss. See Sheet 4020-1 for options. Use the reduced exit -6 and -7 sizes when longer pilot flames are needed.

Two spark plug locations are provided on all 4020 sizes: one beside the gas inlet port and one opposite the gas port. Three ignition options are available. The standard 10 mm spark plug (R240-2465) is provided with each tip and is recommended for use with pilots that are set rich, or when high burner backpressures are present. The optional 10 mm air purged spark (4-5635-1) is recommended for pilots that continuously fire for extended periods. For manual lighting, use an OA2-0401-1 slotted torch lighting plug.



The 4020 Nozzle-Mix Pilot Tip is available in many sizes (¾" through 4"), and in 3 styles (LP, HP,CB).

4" 4020-HP Nozzle-Mix Pilot Tip  
100% excess fuel  
8 osi air pressure



2½" 4020-HP Nozzle-Mix Pilot Tip  
100% excess fuel  
8 osi air pressure



1¼" 4020-LP Nozzle-Mix Pilot Tip  
100% excess fuel  
0.1 osi air pressure

