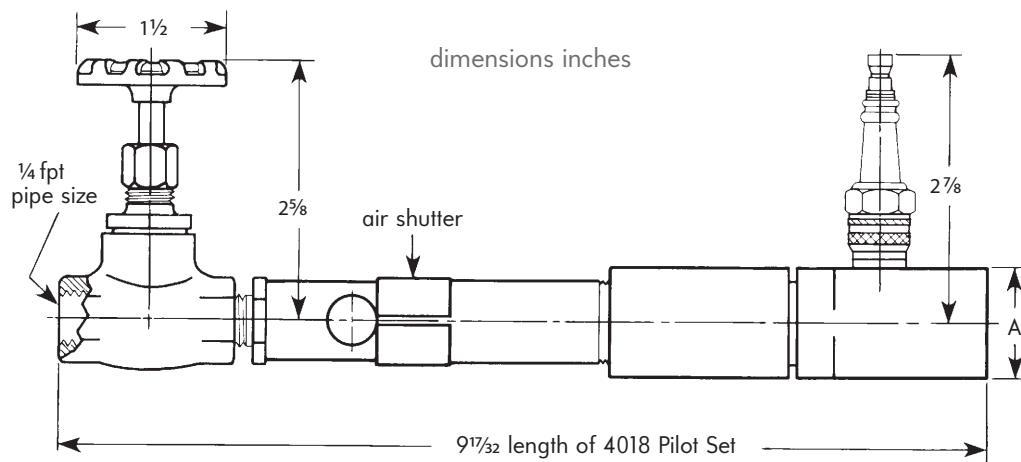


North American High Pressure Gas Pilot Specifications

Sheet 4018

4018 Pilot (Shown with 4027-01-25 Pilot Tip)



The *High Pressure Gas Pilot* is sold only as unit. The 4018 Pilot is spark ignited, the 4018-M manually ignited. The capacity of either is 7300 Btu/h HHV for gas pressure of 10 psi.

These *High Pressure Gas Pilots* are not recommended for use with sealed-in burners or combustion chamber pressures more than a few hundredths of an inch of water column above or below atmospheric pressure. The 4018-M Manual Ignition Pilot is difficult to light when the furnace pressure is more than 0.02" w.c.

Flame lengths with Natural Gas

- 8 1/2" with 20 psi gas pressure†
- 6" with 10 psi gas pressure†
- 3" with 3 psi gas pressure†

† Downstream of the 1/4" globe valve, with the air shutter wide open.

type of gas	sp gr	Btu/ft ³	minimum pressure, psi	spud drill	spud part no.
Natural	0.6	1000	5	#77	4-2158-10
Mixed natural	0.55	800	5	#75	4-2158-11
Coke oven	0.4	550	2	#71	4-2158-12
Propane	1.55	2500	5 to 10	#80	4-2158-13

Operating Instructions. Open air shutter to maximum, switch on spark, open 1/4" globe gas valve until burner is lighted properly. Continue opening the valve as far as possible while maintaining stability. (With the 1/4" valve opened full, the maximum gas pressure should be limited to 25 psi.) If a richer, longer fire is desired, the air shutter can then be restricted (not closed).

NOTE: These pilot assemblies incorporate 4027 Pilot Tips, the dimensions of which are shown on the back.