



4027 Pilot Tips

Sheet 4027

4027-01 Pilot Tips can be lighted at high mixture pressures and operated over wider limits of pressure and air/fuel ratio than the former 4024-01 and 4025-01 tips, and are offered as replacements for them.

Pilot Tip designation	Replaces Old	Remarks
4027-01-25	4025-01	Slip-fit spark ignited
4027-01-M25	4025M-01	Slip-fit manual
4027-01-MT2425	4025MT-01	Threaded manual 4027MT-01 4024MT-01
4027-01-T2425	4025T-01	Threaded spark ignited 4027T-01 4024T-01
4027-01-M24	4024M-01	Slip-fit manual
4027-01-24	4024-01	Slip-fit spark ignited

All pilots tips have the same body and same capacity- -they differ only in the burner connection style and method of igniting. The 4027-01-25, 4027-01-T2425, and 4027-01-24 pilots include a R240-2465 spark plug. The manual lighting 4027 pilots cannot accept a spark plug.

Operating Characteristics

Mixture Pressure, "w.c.	Air Rate, cfh	Approx. Lean and Rich Limits, cfh 1050 Btu gas		Flame Length on Ratio, inches
		Lean	Rich	
2.9	277	-	20	5½
5.8	320	15	32	7
11.6	455	30	47	7½

Method of Ignition	Maximum mixture pressure, "w.c.	
	for lighting	for stability after lighting
Spark Ignited	15	35
Manually Ignited	3	11

Cross-Connected control systems are recommended.

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.