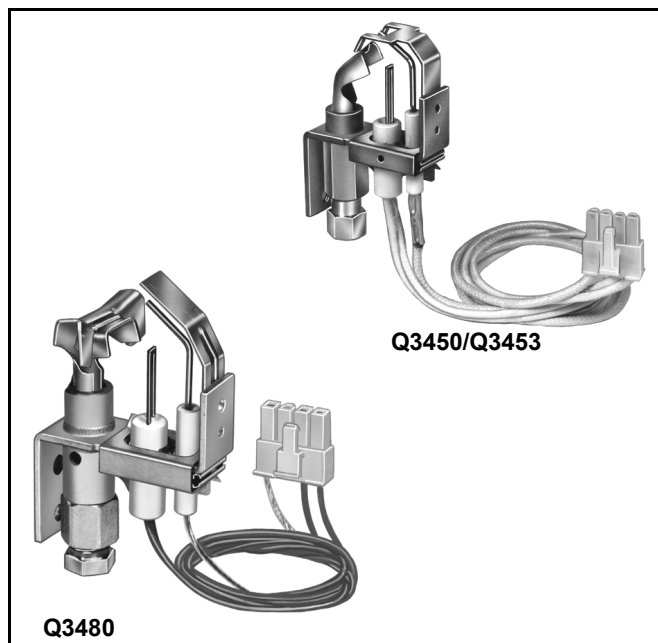


Q3450/Q3453A,B,C,D,E,F,G and Q3480B,C SmartValve™ System Pilot Burners

PRODUCT DATA



APPLICATION

These SmartValve™ System pilot burners provide pilot flame ignition and sensing for SV95XX/SV96XX Systems. They consist of replaceable igniter-flame rod assembly, bracket assembly, pilot target, ground electrode, orifice assembly, compression fitting and spring clip. The igniter lights the pilot burner. The flame rod proves the pilot flame and the pilot flame lights the main burner.

FEATURES

- Used with SV95XX/SV96XX SmartValve™ System.
- Replaceable Igniter-Flame Rod Assembly (Q3400A).
- Replaceable igniter-Flame Rod Assembly for SV958X (Q3405A).
- Integral keyed plug provides quick, convenient connection of igniter and sensor to SV95XX/SV96XX.
- Q3450/Q3453 has front or 20 degree right, left flame pattern.
- Q3480 has dual-wing flame pattern.
- Natural and LP gas orifices available.
- Variety of target styles available.

Contents

Application	1
Features	1
Specifications	2
Ordering Information	2
Installation	6
Service	7



SPECIFICATIONS

IMPORTANT

The specifications given in this publication do not include normal manufacturing tolerances. Therefore, this unit may not exactly match the listed specifications. Also, this product is tested and calibrated under closely controlled conditions, and some minor differences in performance can be expected if those conditions are changed.

Models:

Q3450/Q3453A,B,C,D,E,F,G and Q3480B,C SmartValve™ System Pilot Burner. See Table 1 for model specifications.

Table 1. Model Specifications.

Models	Type of Gas	Target Style	Standard Orifice
Q3450, Q3453	Natural/LP	L, F, K	BCR18 (P/N 390686-4) BBR11 (P/N 390686-36)
Q3480	Natural/LP	Dual-wing	NE22 (P/N 388146NE) KR14 (P/N 388146KP)

Target Styles and Flame Patterns: Refer to Fig. 1.

Mounting Brackets and Dimensions: Refer to Fig. 2 through 4.

Type of Gas: Models available for Natural and LP gas.

Maximum Temperature Ratings:

Ground Electrode Tip: 1800°F (982°C).

Target Tip: 1575°F (857°C).

Orifice: 800°F (427°C).

Flame Rod Tip: 1800°F (982°C).

Igniter Insulator: 905°F (485°C).

Flame Rod Insulator: 1250°F (677°C).

Electrode Flame Rod Material: Kanthal.

Wiring Connection: 18-inch integral keyed connector for attaching to SV9500/SV9600.

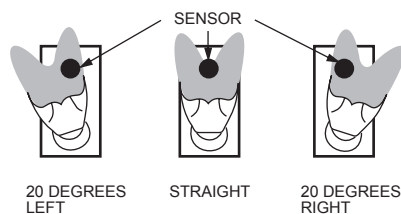
Approvals:

American Gas Association design certified: U70-24A

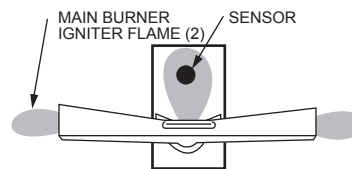
Canadian Gas Association design certified:

1029-ABI/CC-9203

Accessory: Q3400A Replacement Igniter-Flame Rod Assembly.



Q3450/Q3453



Q3480

M9052A

Fig. 1. Pilot burner/igniter sensor target styles and flame patterns.

ORDERING INFORMATION

When purchasing replacement and modernization products from your TRADELINE® wholesaler or distributor, refer to the TRADELINE® Catalog or price sheets for complete ordering number.

If you have additional questions, need further information, or would like to comment on our products or services, please write or phone:

1. Your local Honeywell Automation and Control Products Sales Office (check white pages of your phone directory).
2. Honeywell Customer Care
1885 Douglas Drive North
Minneapolis, Minnesota 55422-4386

In Canada—Honeywell Limited/Honeywell Limitée, 35 Dynamic Drive, Scarborough, Ontario M1V 4Z9.

International Sales and Service Offices in all principal cities of the world. Manufacturing in Australia, Canada, Finland, France, Germany, Japan, Mexico, Netherlands, Spain, Taiwan, United Kingdom, U.S.A.

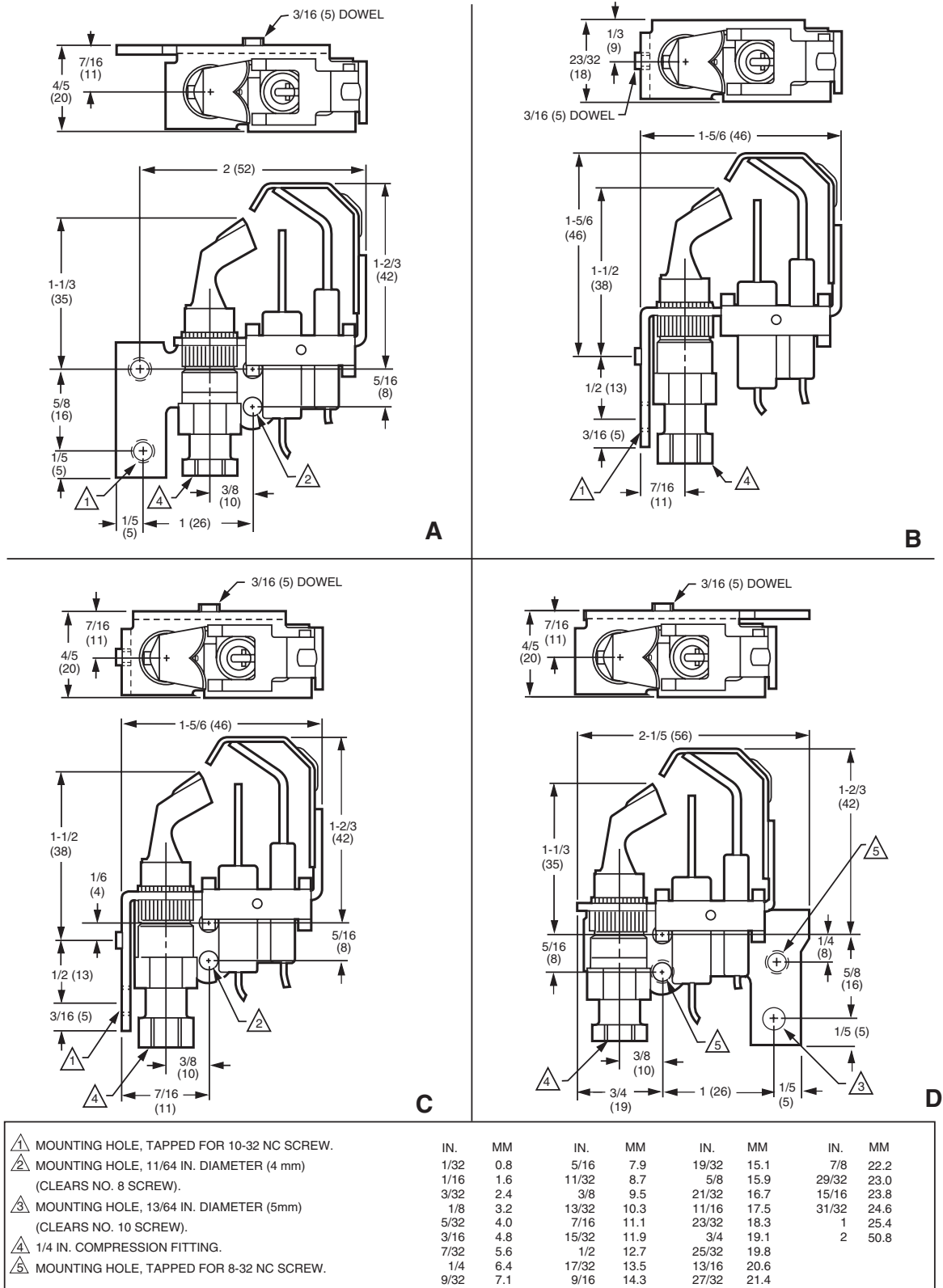
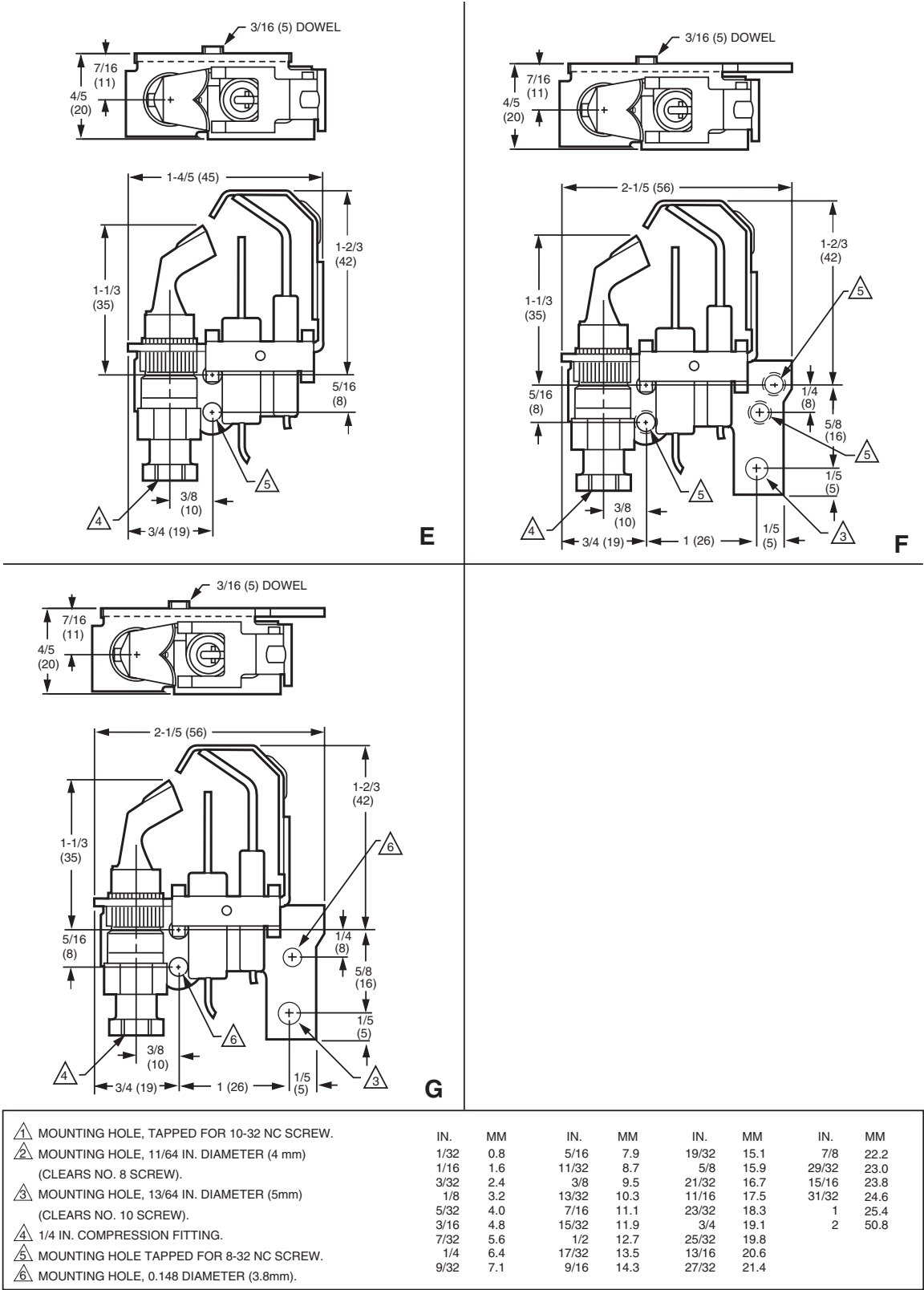
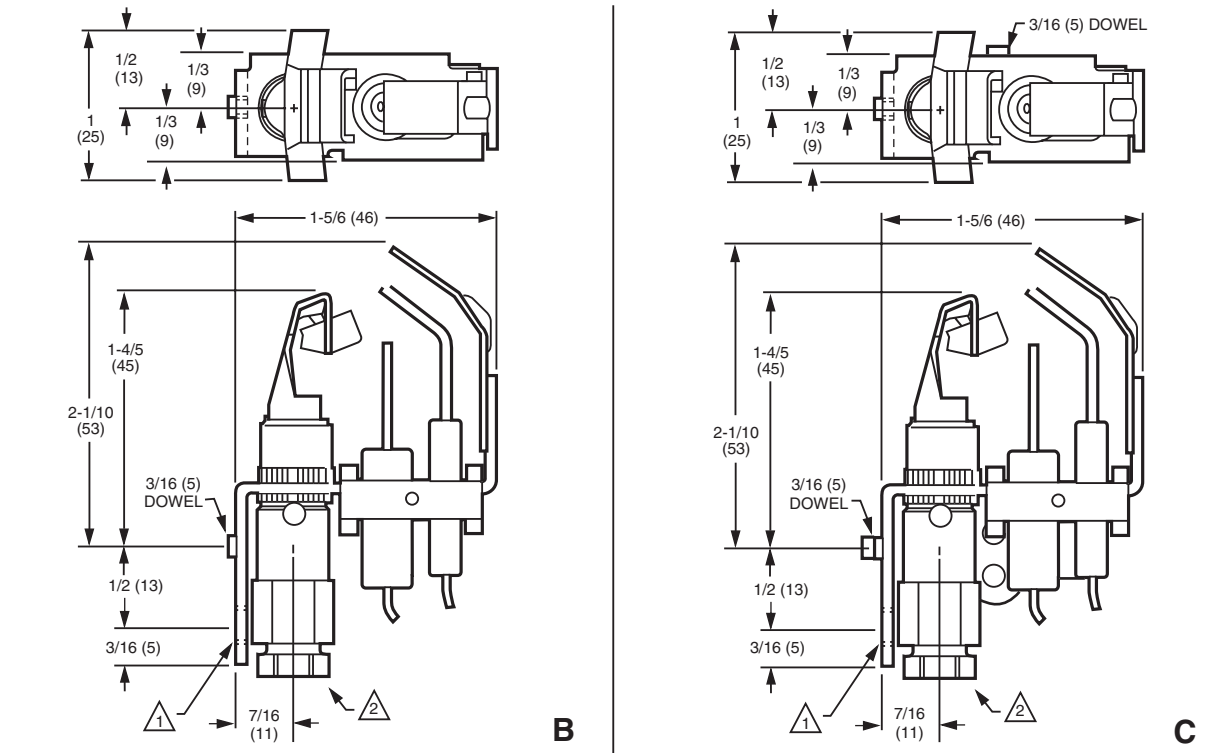


Fig. 2. Mounting bracket dimensions for Q3450/Q3453A,B,C and D.



M9587A

Fig. 3. Mounting bracket dimensions for Q3450/Q3453E,F,G.



△ MOUNTING HOLE, TAPPED FOR 10-32 SCREW. △ 1/4 IN. COMPRESSION FITTING.							
IN.	MM	IN.	MM	IN.	MM	IN.	MM
1/32	0.8	5/16	7.9	19/32	15.1	7/8	22.2
1/16	1.6	11/32	8.7	5/8	15.9	29/32	23.0
3/32	2.4	3/8	9.5	21/32	16.7	15/16	23.8
1/8	3.2	13/32	10.3	11/16	17.5	31/32	24.6
5/32	4.0	7/16	11.1	23/32	18.3	1	25.4
3/16	4.8	15/32	11.9	3/4	19.1	2	50.8
7/32	5.6	1/2	12.7	25/32	19.8		
1/4	6.4	17/32	13.5	13/16	20.6		
9/32	7.1	9/16	14.3	27/32	21.4		

M9588A

Fig. 4. Mounting bracket dimensions for Q3480B,C.