

High Pressure High Temperature Short-Stop Probe Model 727A

GENERAL DESCRIPTION

The Model 727A is a High Pressure/Temperature Short-Stop style probe for use in application where product buildups or conductive coatings cause erroneous control actions. The probe is manufactured of 316 stainless steel with the nonmetallic components being of ceramic. The probe is available in insertion lengths up to 96 inches thereby ensuring the proper unit for each application.

The Model 727A probe has a pressure/temperature rating of 1000 psi @ 800°F. **IT IS NOT TO BE USED FOR VACUUM SERVICE.**

The process connection for the 727A is 1" NPT, with flanges being an optional item. The flanges can be screwed onto the probe gland or can be welded to the gland.

When inserting the 727A probe into a vessel through a nozzle or other similar fitting, at least 5" of the short-stop element must extend into the vessel past the nozzle. This will ensure proper operation of the system in that particular application. **THIS PROBE CAN ONLY BE USED WITH ON/OFF CONTROLLERS THAT HAVE THE SHORTSTOP OPTION (MODEL 318A AND 5100).**

SPECIFICATIONS

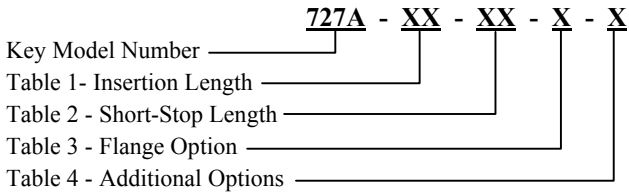
Pressure/Temperature Ratings	0 - 1000 psi @ 800°F (not rated for vacuum service)
Materials of Construction	316 stainless steel Ceramic insulators
Insertion Lengths Available	Minimum 10" Maximum 96"
Short-Stop Element Lengths	Minimum 5" Available
	Maximum 36"
Sensing Rod Diameter	0.4375"
Process Connection Size	1" NPT



- High Pressure/Temperature Rated
- Available in Lengths to 96 Inches
- Short-Stop Type Construction
- Optional Flanges Available

ORDERING INFORMATION

Specify complete model number according to the tables below.



Key Model Number

Model	Description
727A	High Pressure/Temperature Short-Stop Style probe. Rated at 1000 psi @ 800°F. 316 St. St. construction with ceramic seals and insulators. 1" NPT process connection.

Table 1- Insertion Length (L1)

Desig.	Description
XX	Overall insertion length in inches. The minimum length is 10" and the maximum length is 96".

Table 2 - Short-Stop Element Length (L2)

Desig.	Description
XX	Short-Stop element length in inches. The minimum length is 5" and the maximum length is 36".

If the probe is installed in a nozzle, the short-stop element must extend at least 5" out of the nozzle into the vessel.

Table 3 - Flange Option

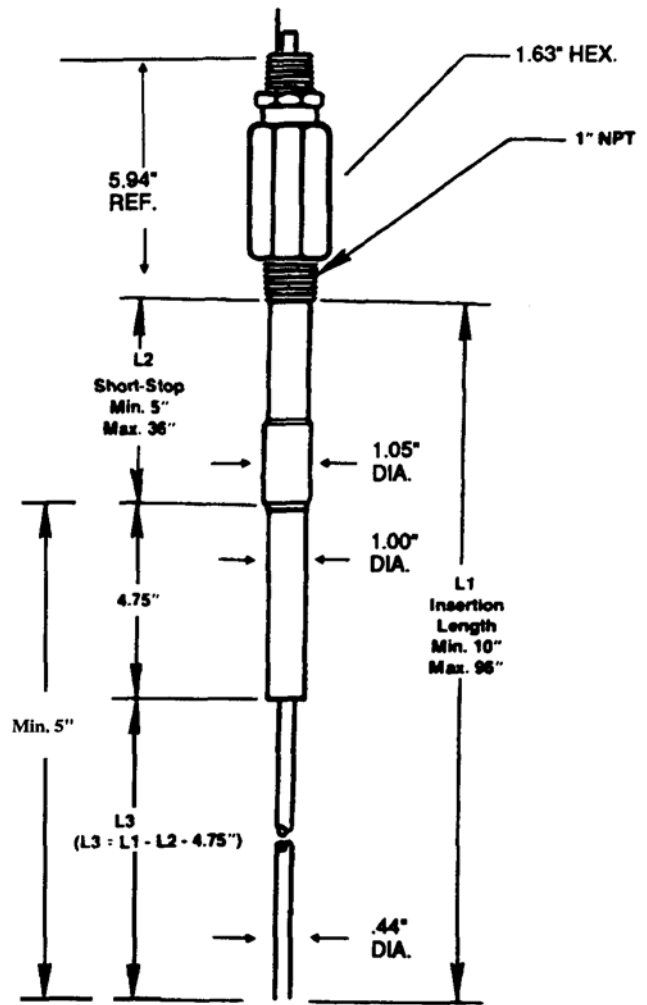
Desig.	Description
N	None
A	Flange screwed onto probe gland
B	Flange welded onto probe gland

NOTE: Select flange from PL-FL. DO NOT use with a 1" flange.

Table 4 - Additional Options

Desig.	Description
0	None.

DIMENSIONS



Robertshaw

U.S.A. and CANADA

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