GENIE® 752
Direct Drive Probe™

Thermowell insertion without source depressurization!

The Direct Drive Model 752™ thermowell probe can be inserted and retracted from a pressurized source through a full port valve without a special insertion device or the force and bulky equipment associated with pneumatic or hydraulic methods. Its adjustable insertion depth up to the maximum specified probe length allows precise positioning of the probe tip within the pipeline or process.

Included with the Model 752 is a 3 wire configuration RTD probe. The temperature probe is spring loaded to ensure proper contact with the thermowell and its conduit connection head contains the wiring.

Technical Specifications

Maximum Pressure Rating	NPT: 3,750 psig (258.6 barg)
Temperature Range	-40°F (-40°C) to 300°F (149°C) * Actual limit depends on sealing material chosen. Refer to Temperature Range Comparison Chart.
Port Size	Auxiliary: 1/8" female NPT with vent valve installed from factory
Probe Insertion Lengths For other lengths contact the factory.	L: 12", 18", 24" A: ~ 27", 33", 39" Refer to L & A dimensions on back
Process Connection Requirement	3/4", 1" or 1.5" NPT full opening threaded or flanged valve Ball and double block and bleed valves are all suitable for use as long as their inner diameter is not less than 3/4". 1" NPT or larger process connection required for seal welding.
Valve Requirement customer provided	Straight-through path with minimum bore of 0.75" (1.91 cm)
RTD Specifications	1/8" diameter stainless steel sheath ½" NPT conduit connection 100 Ω Class "A"
Wetted Materials	*Machined parts: 316/316L stainless steel / ISO 15156-3 compliant and Kevlar® threaded bushing All other metal parts: stainless steel / ISO 15156-3 compliant Sealing material: User defined

Product Brief

Applications
- Retractable thermowell probe for measuring gas temperature

Benefits
- Easy, quick, and safe insertion and extraction from a pressurized source without a special insertion device
- RTD included
- Field serviceable packing gland seal
- Velocity tested at CEESI flow lab up to 200ft/sec

Features
- Patented insertion method
- Patented harmonic resonance dampening design
- Adjustable length
- Optional speed wrench for faster installation

A+ Corporation

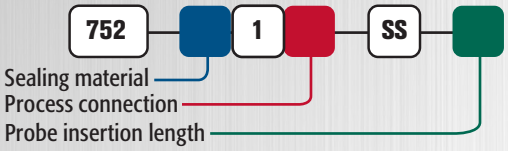
The Sampling Experts™ | geniefilters.com

Model Numbering & Additional Part Numbers

Your model number is determined by your specific needs. Choose options below.

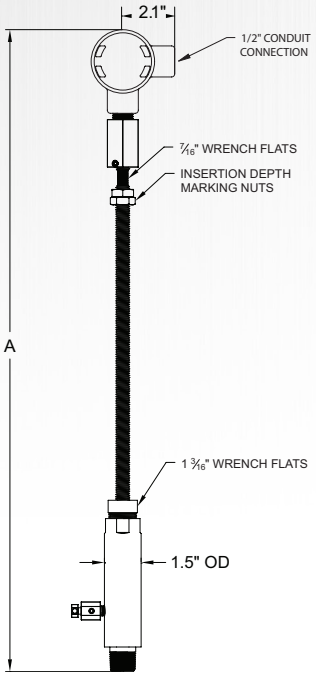
Sealing material	0 = Neoprene rubber	J = RGD resistant HNBR	(other materials available upon request)	
Process connection	3 = 3/4" NPT	4 = 1" NPT	6= 1.5" NPT	
Probe insertion length (L)	12, 18, 24 inches			
Sealing material replacement (Packing Gland)	Part # 75X-570 for PTFE/Neoprene rubber	Part # 75X-5J0 for RGD resistant HNBR	(sold separately)	
Speed wrench	Part # ACC-SW	(sold separately)		

How to build the model number:

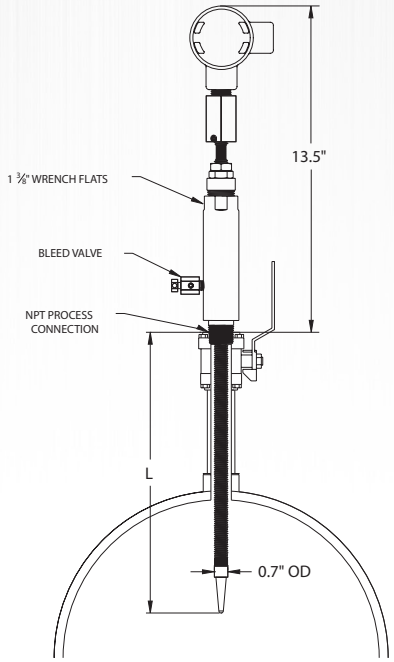


Dimensions

Uninstalled



Installed



A+ Corporation

Analytically Correct™ sample systems, sample conditioning components, and revolutionary gas and liquid sampling technology.

Contact us for expert product application assistance.
1.225.644.5255
sales@geniefilters.com

geniefilters.com
41041 Black Bayou Road, Gonzales, Louisiana 70737

MADE IN USA

U.S. Patents 8,522,630; 9,200,986. Genie®, Genie® Membrane Probes™, are trademarks or registered trademarks of A+Corporation, LLC. All other referenced trademarks are the property of their respective owners.
© 2012 A+ Corporation. All rights reserved. SCC-752-PS_071125