

# NAVIGATOR™ RETRACTABLE THERMOCOUPLE SYSTEM



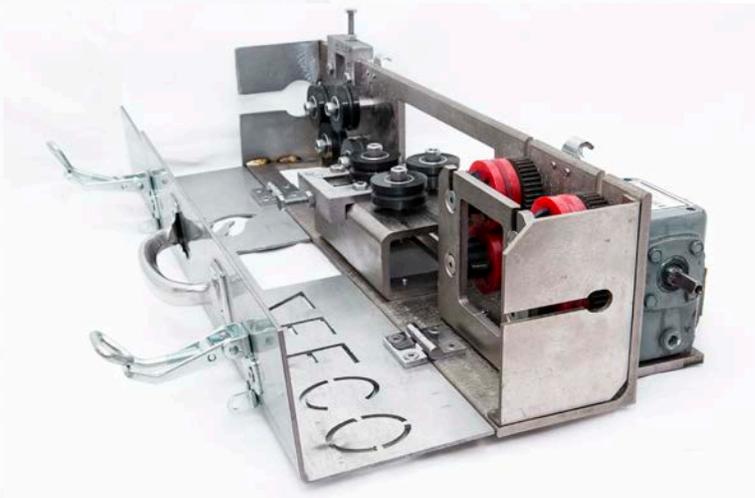
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## Overview

Thermocouples are commonly used in the industry for required flare pilot flame detection. The prolonged exposure to extreme heat at the flare tip means thermocouples are typically viewed as a consumable item that must be regularly replaced. Zeeco's retractable thermocouple system eliminates costly shutdowns by allowing operators to replace thermocouples at grade without taking the flare offline.

## What's Included

Zeeco retractable thermocouple systems consist of retractable thermocouples, guide tubing with supports, and a ZEECO® Navigator pusher/straightener device. Typically, Zeeco provides one retractable thermocouple for each pilot serving the flare tip. Each thermocouple is then terminated at a junction box or control panel near the base of the stack and is housed in its own half-inch, internally polished and stainless steel guide tube that protects and guides the thermocouple from grade to the pilot.



The ZEECO Navigator Thermocouple Pusher/Straightener Device



View the ZEECO Navigator Instructional Video at: [vimeo.com/165193679](https://vimeo.com/165193679)



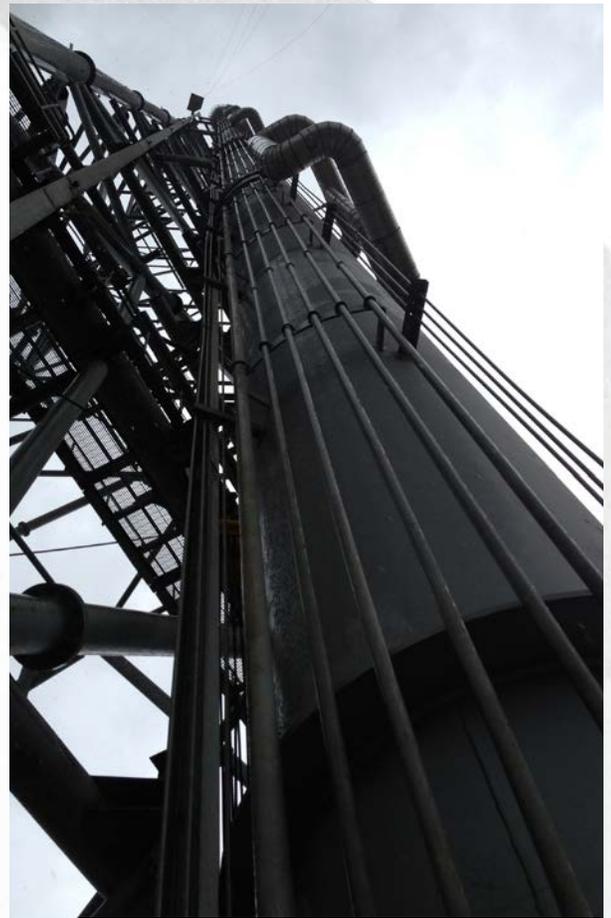
The ZEECO Navigator Thermocouple Pusher/Straightener Device

## ZEECO® Navigator™.

Zeeco's Navigator is a patented pusher/straightener device for the quick and easy installation and retraction of thermocouples used with Zeeco flare pilots. Maintaining a straight thermocouple prevents added friction between the thermocouple and guide tubing. The Navigator ensures the thermocouple enters the guide tube as straight as possible. Mounted to the bulkhead fitting at the end of each guide tube, the Navigator eliminates the need for manual pushing and pulling, which allows for seamless installation and removal of retractable thermocouples up to two hundred meters in length.

## Why choose Zeeco?

Zeeco is the leading designer of combustion equipment in the global market today. We engineer and produce superior products and have been dedicated to our customers around the world for more than 40 years. In fact, our philosophy of providing customers with superior quality, on-time shipments, and competitive pricing is the cornerstone of our success. Let us put our experience and engineered solutions to work for you – call or email us today for more information on Zeeco's full line of flare products and replacement components for your new or existing flare system.



*Zeeco's Retractable Thermocouple System in Service*

## The Zeeco Difference



By concentrating on what we do best, Zeeco has grown into a worldwide leader in combustion and environmental solutions. We are a privately held company whose ownership stays highly involved in daily operations, with upper management comprised of the world's leading combustion experts.

When you call Zeeco, we answer. When you make a request, you get a quick, efficient response. We are lean and efficient, able to make decisions quickly, without bureaucracy and red tape. Our sales, engineering, and purchasing groups work hand-in-hand to deliver highly competitive quotes and heroic turnaround times. We stand ready and willing to travel anywhere in the world to discuss upcoming projects firsthand, and to ensure that every existing project runs seamlessly.

Zeeco Headquarters  
22151 East 91st Street  
Broken Arrow, OK 74014

Learn more at [zeeco.com](http://zeeco.com)

✉ [sales@zeeco.com](mailto:sales@zeeco.com)

☎ +1 (918) 258 8551



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