



Process Water Heaters & Heating Elements: For Every Part of the Fracking Process

Fracking: History

Hydraulic fracturing has become more and more popular within the past few decades as a means of extracting and collecting oil and natural gas. More commonly known as fracking, this process involves several components, one of the most imperative being water. Water is what makes fracking possible, as the function of the entire system is based on flowing water. Conventional gas and oil reservoirs (those where oil and natural gas flow easily to the surface and are not deep within the earth) are not as readily available as they used to be due to the proliferation of traditional drilling techniques. Therefore, hydraulic fracturing has emerged as a viable option for obtaining mass amounts of oil and natural gas resources.



Water's Role in Fracking

Water is a major part of fracking because it is needed throughout several parts of the process. One of the main uses of water in fracking is to permeate shale rock to allow oil and natural gas to flow through to the surface of the earth. Water, along with various chemicals and sand, is sprayed at extremely high pressures, cracking or fracturing the rock to create openings which release oil and gas from deep within the earth. To do this, large volumes of water are necessary, typically millions of gallons.

Why is Heated Water Necessary?

So, why is heated water necessary at the fracking site and throughout the fracking process? The major reason is because fracking isn't seasonal and is often times performed during cold weather months or in places with freezing temperatures, so pipes, hoses, and other components involved with fracking are at risk of freezing if subjected to these climates. As a result, fracking requires correctly applied heating in order to minimize these failures on site. Tanks, manifolds, pipes, hoses, and other components of fracking equipment all hold water and are at risk of freezing under certain conditions.

Why Hubbell?

We are available to assist you with your heating needs in any part of the fracking process, including:

- Freeze protection and temperature maintenance
- Heating potable water for living applications while out in the field, even in remote locations where water and power come at a premium
- Water heaters for emergency safety applications, including emergency eyewash stations and safety showers
- Hazardous Location/Outdoor

Hubbell can customize our product to meet your specific needs, whether you need storage, tankless or another style water heater. We want to help you find the ideal product for your application.



Model CR

- Packaged electric instantaneous water heater
- Can accommodate all flow & temperatures ranges



Elements & Exchangers

- Engineered to meet your exact water heating needs
- High-grade construction with a wide variety of types and styles



Model EMV

- Hydrastone cement lining provides tank longevity
- Copper-silicon alloy tappings cannot rust or corrode

Sources: <https://fracfocus.org/water-protection/hydraulic-fracturing-usage>
https://www.epa.gov/sites/production/files/documents/03_Palmer_-_Mgt_Analysis_508.pdf

David Tvergyak
Midwest Regional Sales Manager
sales@hubbellheaters.com

P: 203.378.2659 x120
F: 203.378.3593
www.hubbellheaters.com

