

## INSUL-WRAP™ Wellhead Cover Advantages:

Traditional Insul-Wraps™ have been used for years to insulate wellheads from freezing up, however this method was often cumbersome and time consuming. A typical wellhead has several pipe protrusions and valve handles that must remain accessible. This meant that multiple Insul-Wraps™ were often required to insulate one wellhead – and were basically draped over the structure and wrapped around all of the protrusions. This method made the insulation difficult to remove when the well needed servicing and resulted in unnecessary damage to the insulation - and the need to replace it with new material.

Seeing a **problem that needed a real solution**, Insul-Wraps™ designed a variation of its standard product – to be used specifically on wellheads. The new Gas & Oil Wellhead Cover installs easily with 3 fastening straps. **The straps and cover are easily removed/reinstalled for quick access when the well requires service.** The Insul-Wrap™ Wellhead Cover is simply wrapped around the wellhead and the four drop-down 'legs' are secured in place with attached nylon straps and double d-rings. These 'legs' can be positioned around any pipe protrusions or valve handles for easy access and maintenance. The Wellhead Cover's ability to be removed and re-installed repeatedly provides a clear advantage, since **the cover can be re-used often and will outlast traditional methods of insulating these structures.**

In addition, the typical method of spiral-wrapping Insul-Wraps on wellheads often compressed the insulation too tightly, thus minimizing the product's ability to perform at its optimal thermal performance. Applying the new Gas & Oil Wellhead Covers allows the fibreglass

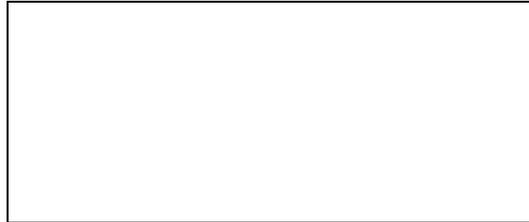
to recover to its full thickness and thus provide the highest potential insulating value.

### Save time and money by using Insul-Wrap™ Gas and Oil Wellhead Covers.

Gas & Oil Wellhead Covers are stocked for wellheads four, five or six feet in height, but can be made to virtually any length you may require.

**Custom sizes available  
upon request**

When you need to protect your equipment from freezing, use only Nu-West Insul-Wraps. Available from:



[www.insul-wrap.ca](http://www.insul-wrap.ca)

## INSUL-WRAP™ Gas & Oil Wellhead Covers

[www.insul-wrap.ca](http://www.insul-wrap.ca)

**Light density fibreglass insulation,  
encapsulated with black  
polyethylene.**

*Designed for use in industrial  
applications*





Nu-West Construction Products Inc. has been manufacturing insulation products for the industrial marketplace since 1992. As active members of the Thermal Insulation Association of Canada (TIAC) Nu-West's team members have an unsurpassed knowledge of thermal insulation properties and applications. Nu-West's combined industrial insulation experience is well over 100 years - making them clear leaders in the market. *The Nu-West Construction Products team continually strives to build a company of Enduring Excellence, founded on Real Truth and True Relationships, that provides Solutions to Real Problems within the Construction Industry.* Please feel free to contact a team member at your nearest Nu-West location should you require information about any industrial insulation product or service.

## INSUL-WRAP™ Gas & Oil Wellhead cover.

Nu-West's Insul-Wrap™ products are designed to be a convenient, re-usable solution for insulating pipes, wellheads, vessels and other equipment. All Insul-Wrap™ products are made using only the highest quality R-12 (Cdn) fiberglass insulation, which is then fully encapsulated by a 6mil, UV-resistant, polyethylene sleeve.



## FACTS ABOUT INSULATION:

### R-Value Measurement:

All types of insulation, regardless of the specific application, are primarily used to prevent or reduce transfer of heat and/or sound. **The standard unit of measure commonly used in North America to describe a material's insulating value is "R-value"**. Whereas "R" simply stands for "Resistance to heat flow" - the number that follows "R" is the actual measurement of how effective the installed insulation will be. The higher the R-value, the greater the insulating power of the material. Metric measurements are also commonly used and are referred to as the RSI value.

### Manufacturing, Installation and R-Value:

In order for light density fiberglass insulation to perform at its specified R-value, the product must be able to recover (expand) from its packaging to reach its optimum thickness. For example: 3.5" thick (R-12) residential 'batt' insulation will only perform at an R-12 level if it is allowed to expand and fill the 3.5" cavity produced in 2x4 wall-construction. **If the insulation is unable recover to its original 3.5" thickness due to improper packaging, processing, or installation, then the product will not perform to the full potential of its specified R-value.**

The need for complete material recovery applies to any light-density, fiberglass insulation product. Put simply, an R-12 base insulation will only perform to an R-12 level if it is allowed (and able) to recover completely. Many products on the market are packaged too tightly or are improperly processed; this can crush the insulation past the point of full

recovery and prevent the product from ever performing to it's original potential.

Most light-density fiberglass insulation is designed and manufactured for one-time packaging only. This means that these products are designed for compression to +/- 1/10<sup>th</sup> of their original size - for shipping purposes. (Residential 'batt' insulation is an example of this; we have all seen how much a bundle of 'batt' expands when it is opened.) However, these products can only withstand packaging compression once. If these products are compressed again (during a secondary manufacturing process) the original fiberglass manufacturer may not guarantee that the product will recover to its intended thickness (or full R-value.) **Most fiberglass insulation is simply not designed for secondary compression.**

### The Insul-Wrap™ Difference:

The North American Insulation Manufacturers Association (NAIMA) has developed a standard for insulation that will go through secondary compression. This standard is NAIMA 202-96 (Rev. 2000). **All Insul-Wrap™ products are manufactured using only NAIMA 202-96 (Rev. 2000) insulation that has dual compression compatibility built into the fiberglass matrix** and their product is also compliant with the Canadian Standard CAN/ULC-S702-97.

Unlike many types of fiberglass insulation on the market, **Insul-Wrap™ products are designed for secondary compression** - once by the original fiberglass manufacturer and again in the Insul-Wrap™ production department. Since the material is designed to allow for secondary compression, the customers using the material will receive the highest possible R-value from the base insulation.

Note: Insulation products that are designed to be installed as a wrap are usually done so at a recommended 25% compression. This means that an R-12 insulation, after installation, should be 2 5/8" thick and will perform at an R-9 level. The only possible way to increase from this R-9 is to either use a higher R-value base insulation or to install the wrap at less than 25% compression.