# Stainless Steel Pipe Setup Helps Processes across Myriad Industries

by Alisha Green

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If it werenâ€™t for a stainless steel pipe, several industries would have been unable to carry out critical processes. For instance, water supply would have been affected, refineries and oil rigs would have found it difficult to transport and supply their products etc. It goes without saying that stainless steel pipes are becoming an integral part of our everyday living.

Stainless steel is preferred over several other materials because it is high on tensile strength, it offers long service and it can withstand extreme temperatures and pressure. Look around in your home, office, public utility set-ups or industries, and you will encounter steep pipes being used.

Let us learn more about the uses of a stainless steel pipe in various industrial sectors:

Medical industry: Stainless steel tube is used in this industry for making hypodermic needles. Apart from that, hospitals as well as pharmaceutical companies make use of steel pipes in order to supply water, other liquids, oxygen etc. With the use of these pipes, it becomes easy to carry out certain critical medical processes. Stainless steel does not easily react with other chemicals or materials and hence it is suitable for use in the medical industry. In addition, pipes made from stainless steel are also easy to clean and disinfect. All these factors determine the popularity of stainless steel pipes in the medical industry.

Shipping industry: This industry needs materials that are non-corrosive and are highly durable at the same time. Hence, pipes made from stainless steel are a bankable option in this industry that comes in constant contact with sea water, which is of caustic nature. Be it construction of jetties or construction of pipelines for transporting and supporting various processes, pipes made from stainless steel are heavily used. 4130 tubing is another commonly used component in this industry.

Paper mills: The biggest advantage of using pipes made from stainless steel is the fact that they are not corrosive and hence they do not contaminate the object that comes in contact with them. Pulp and paper mills often make use of pipes made of stainless steel because the use of iron tends to contaminate product paper and this leads to process corrosion, which can lead to heavy losses. This industry makes use of sulphite, which does not react with stainless steel. Stainless steel tube is also used in this industry for better performance.

Apart from the above mentioned industries, there are several other industries such as food and beverage, water supplies, construction etc that make use of 4130 tubing along with steel pipes. As we said before, the use of these pipes has become almost inevitable in the modern world.

These pipes have continued to offer an uncontaminated process in various industries and manufacturers are constantly finding newer and better ways to increase the strength and durability of a stainless steel pipe.

Body(with 3 links)

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Alisha Green - About Author:
Arch City Steel offer you both seamless and welded a stainless steel pipe, as per your specific requirements. We have a rich stockpile of products that range from carbon, nickel to a stainless steel tube, bars, plates and a 4130 tubing.

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