

SUMMARY

The present patent application corresponds to an easy-to-manufacture device which eliminates all possible internal corrosion in the areas of welded joints of carbon steel pipes because it prevents damage to the inner coating during the welding process, increasing its useful life importantly.

The device consists of two parts that are welded in the workshop to the ends of each pipe. These parts have the same external diameter where the welded joint is done during the construction of the pipeline. The heat released in this process is dissipated by the device which prevents the temperature of the pipe wall from exceeding $120^{\circ} \pm 20^{\circ}\text{C}$, a condition that can withstand all types of coatings with paints designed for fluid pipelines.