

Leakage Arresting Gripper for Piping

Leakage Arresting Gripper for Pipes' is a device which can be deployed for arresting leakage from pipes quickly. The device can be installed manually by single person on the leaking pipe and it takes approximately 50 seconds to one minute to arrest the leakage completely.

A patent has been issued for this device in India in November 2023; Patent No. 469789 (Patent Application number 201821024273)

The device is designed keeping in mind the requirement of stopping the loss of water/precious fluids from piping utilized in the industry. It is aimed at and gases.

Working principle: The device uses a gasket which is sandwiched between the leaking pipe and the main cylindrical cover of the device. The threads at both ends of the main cylindrical cover facilitate in tightening the two nuts (one at each end); this results in generating sufficient squeeze for the gasket as the sliders keep climbing up the machined slope. The vent valve is kept open until the nuts are tightened sufficiently to provide necessary squeeze. Nuts are provided with suitable levers for tightening purpose.