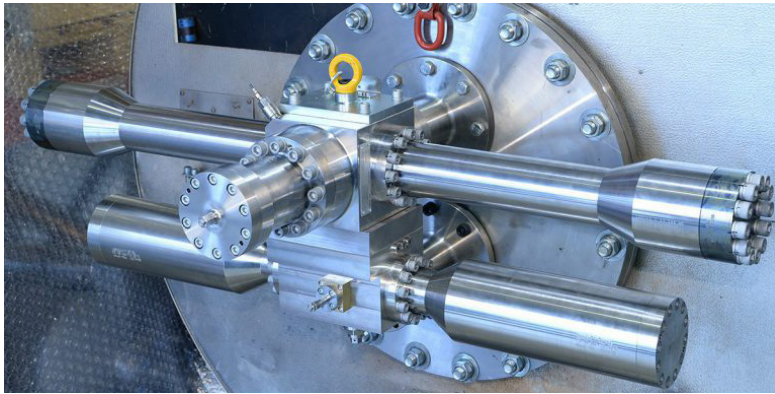


SHOCK PULSE GENERATORS FREEZE PROTECTION

Effective cold-weather shields for hard-to-protect objects



Application

Freeze protection is often required for devices with many unique shapes and sizes. A good example of this is essential protection for shock pulse generators (SPGs). SPGs are used to clean industrial boilers. They pulse-out a high-pressure oxygen and methane mix to prevent fouling issues such as blockages, pressure differentials, and reduced heat transfers. Their geometry is complex, composed of multiple combustion chambers and dosing tanks. SPGs are often exposed to weather conditions, which in the winter can cause the systems to freeze and fail. If the systems fail, this could lead to reduced production, higher maintenance costs, and lower power generation, which all lead to lower profits. Shock pulse generators are found at waste to energy plants, industrial boilers for biomass and various fuels, sludge incineration plants, coking plants, hazardous-waste incineration plants (including chemical plants), coal-fired power plants, and cement plants.

Solution

BriskHeat's wet-area custom cloth heaters are the perfect solution to wraparound and shield SPGs from cold weather, keep the SPG temperatures above freezing, and prevent production problems. They can be designed to form-fit an SPG system to maximize efficiency and are durable enough to operate in almost all weather conditions. These heaters are installed using built-in hook and loop closures, so they can repeatedly be installed and removed, reducing maintenance time. The heaters can be single or multiple zones, and each zone can be independently controlled and monitored from a centrally located control panel such as BriskHeat's MPC2 Multi-point PID panel. An alternative control option is a built-in 45°F (7°C) controlling thermostat, eliminating the control panel expense if temperature adjustability and monitoring is not required. Both control options may include built-in, high-limit temperature cutoffs for safety and peace of mind.

Additional Uses

BriskHeat's wet-area custom cloth heaters can also protect uniquely-shaped objects such as pumps, transmitters, actuators, valves, and gauges. BriskHeat's Wintershield™, is standard wet-area cloth product that is designed to fit around many of these devices, surrounding them with warm pockets of air.



Industries

Chemical Processing/Extractions	Manufacturing
Energy/Power Generation	Water/Wastewater Treatment
Gas & Oil	

Types of Users

Boiler Operators	Facilities Maintenance
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