

Dimension	Pressure	Temperature	Execution
DN 15-1500 (1/2"-60")	PN 10-400 (Class 150-2500)	-20°C til +800°C	Fail Safe Open

Description

An Integrated Control and Safety System (ICSS) is a countermeasure crucial in any hazardous plants such as oil and gas plants and nuclear plants. They are used to protect human, industrial plant, and the environment in case of the process going beyond the allowed control margins.

Due to closing ESD valves in a process, there may be some trapped flammable fluids, and these must be released in order to avoid any undesired consequences (such as pressure increase in vessels and piping). For this, emergency depressurization (EDP) systems are used in conjunction with the ESD systems to release (to a safe location and in a safe manner) such trapped fluids. Blowdown Valves are traditionally used to evacuate such trapped fluids and are solely controlled by the ICSS.

