

Duct Balloons as Inflatable Platforms

Specially designed inflatable duct balloons can be used as temporary platforms in confined spaces. Company safety rules may dictate that any employee working in a confined space with converging walls must be able to exit the duct work without assistance, otherwise a confined space rescue team may need to be present when someone is working in this type of environment. We now offer specially designed duct balloons that can be used as an inflatable platform. A redundant blower connected to an independent power supply can also be supplied if necessary to meet additional plant safety requirements.



This installation is inside the bottom of an ash hopper on a precipitator. The inflatable platform will inflate so the top surface of the balloon is level with the bottom edge of the access door.



It measures 6' x 6' x 5' high and is supplied with 25' of 8" diameter flex duct and one 120V-2 HP blower. The blower must remain on at all times to keep the platform inflated.



The duct balloon easily passes through the existing 27" x 21" man way during installation and weighs less than 25 lbs. Installation time takes minutes, not hours versus scaffolding.



The blower is located away from the work area. The inflation tube can be furnished in any length required. If two blowers are required to meet redundancy requirements, a "Y" type inflation tube can be supplied as two blowers can be connected at the same time.



The platform inflates in less than one minute and can support the weight of two people. For this application, the inflatable serves as a temporary platform so that pick boards can be loaded into the precipitator. The pick boards will provide a rigid platform so that maintenance can be safely performed on the electrical components.

For a quotation we would need a drawing, or a sketch showing the duct work measurements along with the access door size. If a drawing is not available, measurements can also be taken outside the duct with allowances noted for insulation thickness. Please visit our web site at www.ductballoon.com for more information.