

## Corrosion-Resistant Cylinder



### APPLICATION:

#### *Fire Protection Component*

A cylinder actuates a roof hatch in the ceiling of a building to vent out smoke in case of a fire inside the building.

### CHALLENGE:

#### *Application Requires Cylinder Corrosion Resistance Inside and Out*

A customer required a cylinder that could be actuated with water requiring corrosion resistant external and internal components. Additionally, the dimensions needed to be modified to fit the application.

### SOLUTION:

#### *PHD's Custom Corrosion-Resistant Cylinder Allows for Water-Actuation of Fire Protection Equipment*

PHD's Custom Solutions engineers collaborated with the customer to adapt a standard PHD cylinder to meet the special dimensional needs. PHD was also able to meet the customer's corrosion-resistance requirements. Due to the teamwork between PHD's engineers and the customer, PHD's customer can provide safety to its customers through the failsafe roof vent as a key part of its fire protection system.

### RESULTS:

#### *Flawless Performance in Difficult Environment*

PHD's economical custom cylinder meets all customer requirements and has performed flawlessly during testing and in use. The cylinder has the corrosion protection necessary for long term performance whenever needed as part of the fire protection system.

