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Emergency Back Pressure & Unloading Relief Valves Status Indicator System

The Status Indicator System for Emergency Back Pressure & Unloading Relief Valves allows for remote indication and data logging while creating a safe environment for technicians.

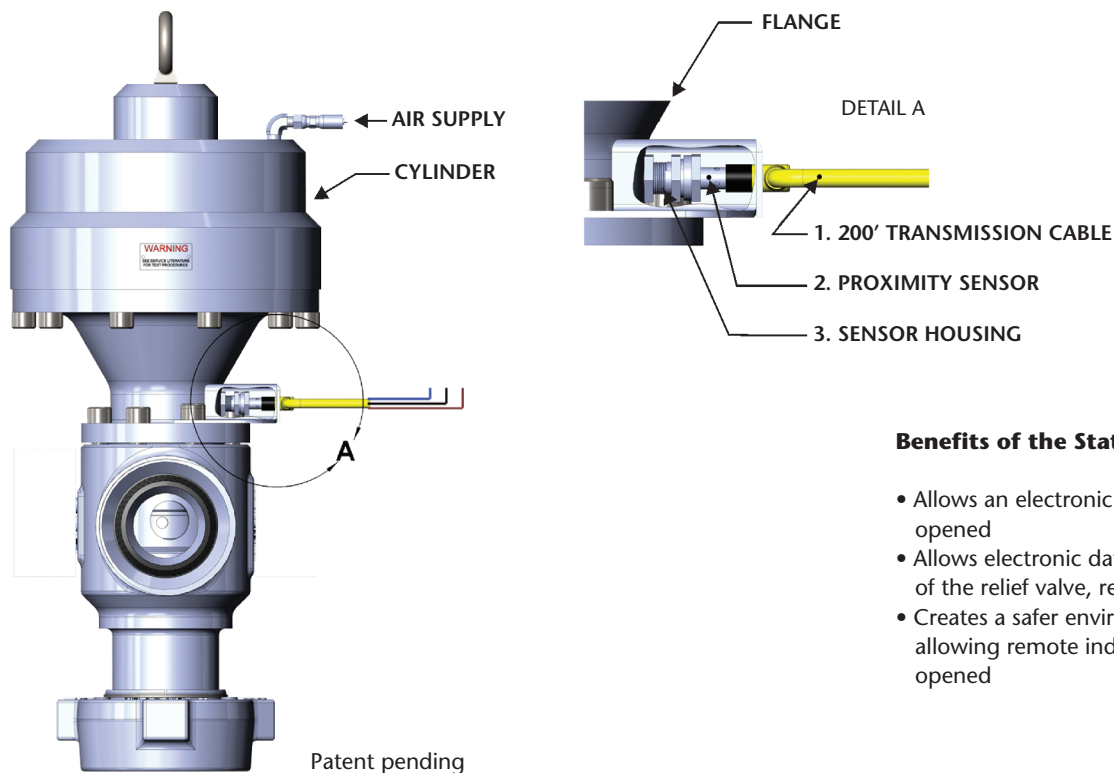
This optional feature to Weir SPM's existing Nitrogen Relief Valve offering notifies the operator immediately and safely that an event has occurred by providing a remote indication and an electronic record of an over pressure event.



Weir SPM is offering a Status Indicator System as an option to be included in all new 3" and 4" Emergency Back Pressure & Unloading Relief Valves. The product operation concept is simple. At any given time when the valve piston lifts greater than 0.030", the system will remotely indicate that the valve has opened. In the instance that the valve piston has dropped below 0.030" the system will then remotely indicate that the valve has closed.

The Weir SPM Status Indicator System can interface with existing customer-managed data monitoring and logging systems allowing for accurate control and trouble shooting of over pressure events on a frac site.

The Data Van Interface directly integrates the Status Indicator System into the data van's data acquisition system. Integrating with the Data Van Interface benefits the user by featuring an easily visible status notification during fracing operations and during overpressure events, allowing for an electronic record of the event including reaction time of the valve relative to the overpressure event. A 200 ft weather resistant cable can be purchased separately for transferring data. Contact Weir SPM's Flow Engineering team for more detailed information about interfacing data.



Benefits of the Status Indicator System:

- Allows an electronic record that the valve has opened
- Allows electronic data logging of the reaction time of the relief valve, relative to the overpressure event
- Creates a safer environment for the technician, by allowing remote indication when the valve has opened

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