



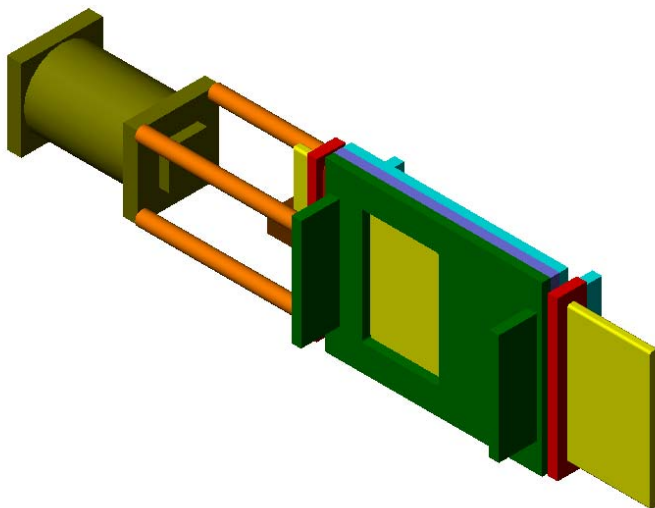
## *Fly Ash Storage Bins*

Fly ash from boiler systems are stored in bins, which are shut off in the bottom with an isolation valve. This valve allows the isolation of the rotary feeder valve/ screw feeder. The fly ash is fed through the rotary feeder and the screw feeder into a dump truck for disposal of the fly ash.

The isolation valve has to deal with an abrasive material that increases the internal friction in the valve. Typically there is also a lime component that will scale out considerably when there is any moisture present. This does not allow a standard knife gate, O-Port, ball valves, or butterfly valves to function properly. Friction reduction and increased actuation force are necessary to have a well functioning valve for the isolation of the fly ash storage bins.

Stainless Valve Company has developed a valve that meets these requirements. The Stargate-O-Port-Valve® Fly Ash valve is specifically designed to handle the higher internal friction and abrasive forces of fly ash along with the potential for scale formation when lime is present. The valve has been used in the pulp and paper industry as well and the power generation industry for over twenty years.

SVC is very confident in the performance of the Stargate-O-Port-Valve® Fly Ash valve, even in high temperature applications, that the valve is offered with a ten year performance guarantee. Please contact SVC today if you are having issues with fly ash bins or other fine particle materials that cause operational and safety issues.



8"x12" Stargate-O-Port® Fly Ash valve