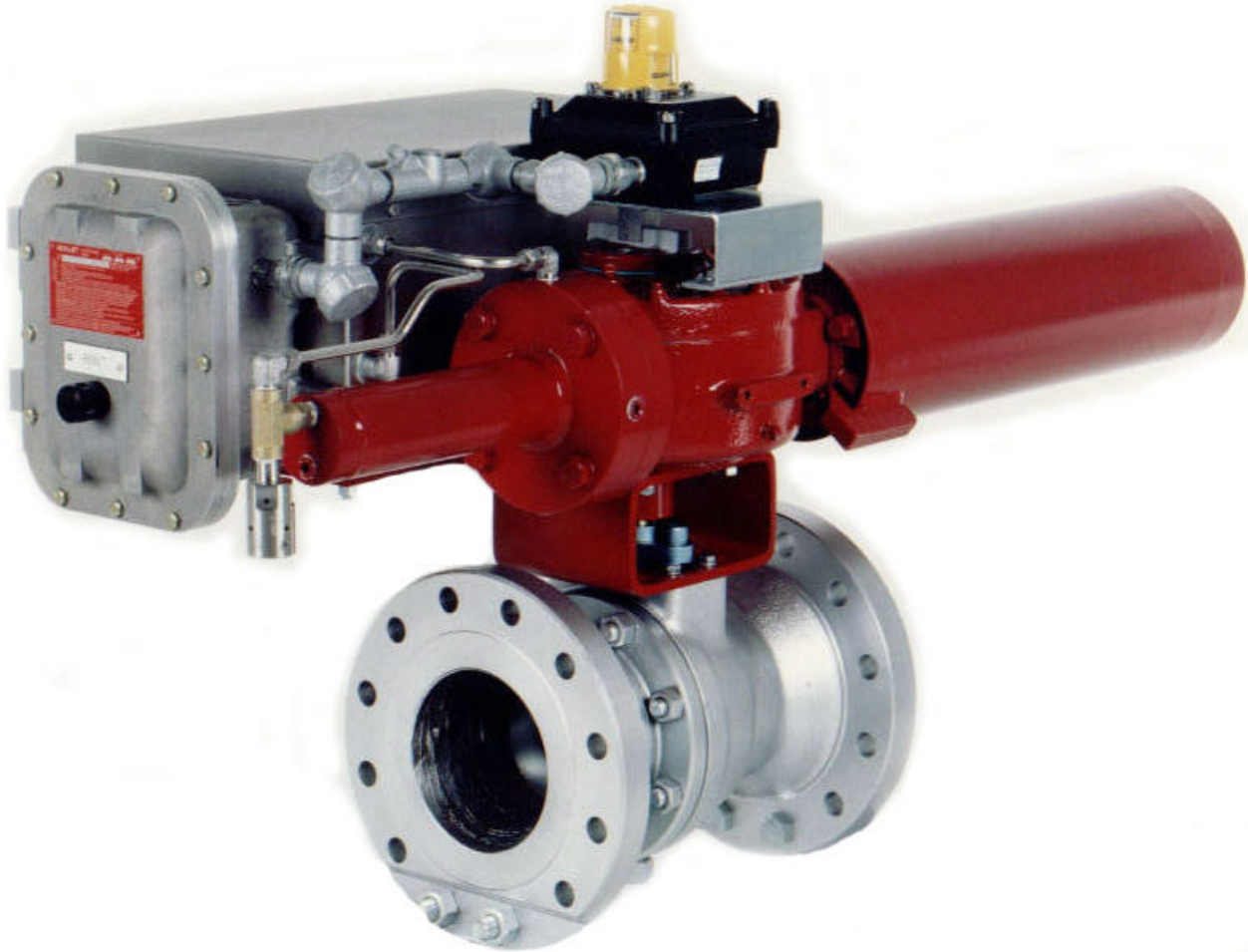


ESD[®] ACTUATOR APPLICATION DATA SHEET



Flow-Quip manPOWER™ Actuator used for Critical Pump Station Emergency Shutdown Service

This manPOWER™ actuator is headed for an Illinois products pipeline terminal. Manually operating the actuators hand pump will open the valve and allow petroleum products to flow. A 24 VDC signal connects the actuator to the terminal safety system. On Loss of DC signal the actuators powerful self-contained spring will automatically close the valve stopping pipeline flow.

A high visibility position indicator beacon and limit switch signals the terminal SCADA system when the valve has operated.

Type: manPOWER™ - ROTARY

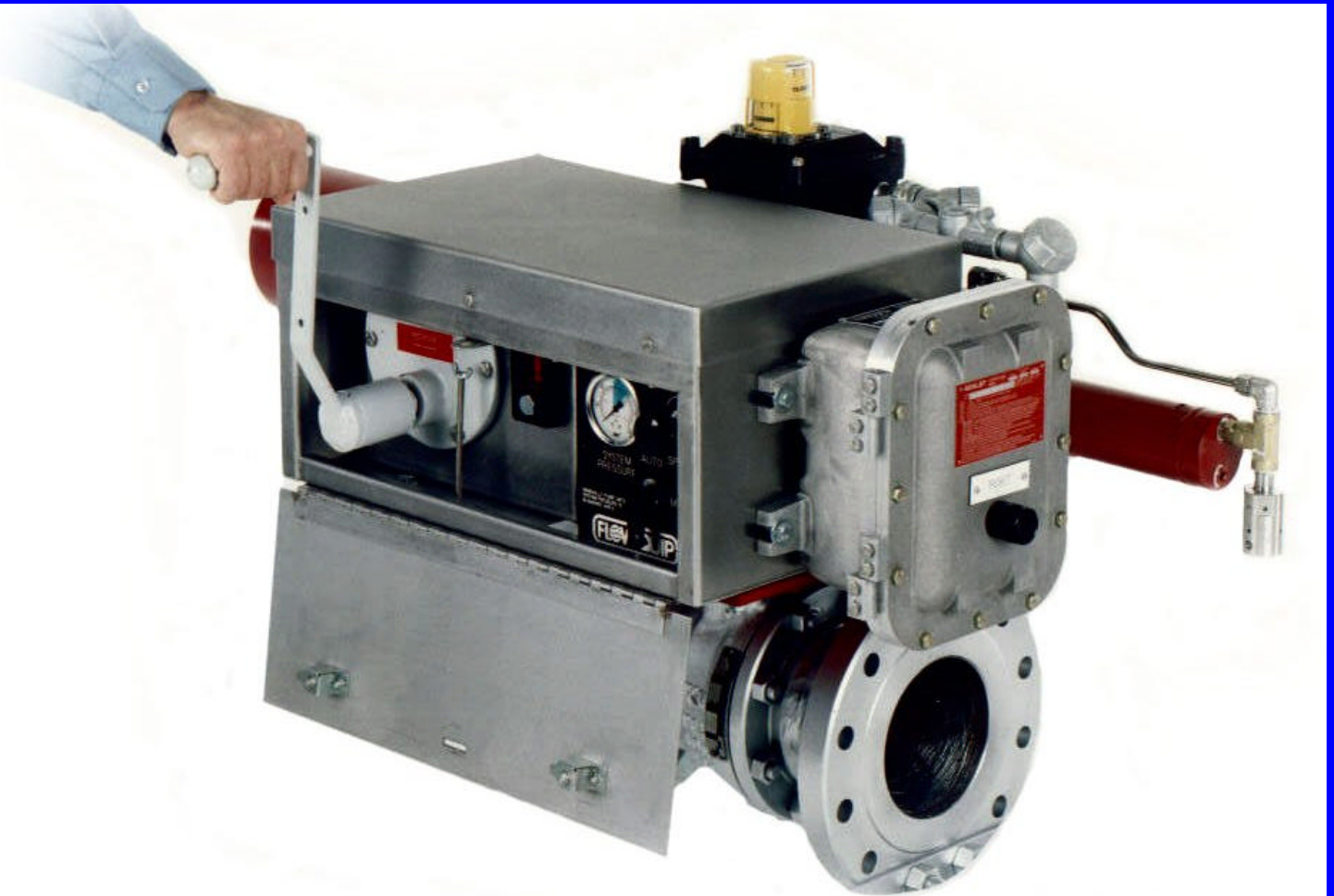
ADS No. 7402A

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ESD[®] ACTUATOR APPLICATION DATA SHEET



Flow-Quip manPOWER™ Actuator used for Critical Pump Station Emergency Shutdown Service

The manPOWER™ actuator is shown from the opposite view with the access door open and the manual hydraulic pump in operation. The stainless steel enclosure is lockable and keeps all hydraulic controls secure. The hydraulic reservoir and system pressure gauge can be seen along with the closing speed control and auto/manual selector valve. An explosion proof junction box houses the control solenoid valve and a local manual reset button.

The system is also fitted with a eutectic sensor (extending from the hydraulic cylinder) that will automatically cause valve closure if fire causes a high temperature condition.

Type: manPOWER™ - ROTARY

ADS No. 7402B

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