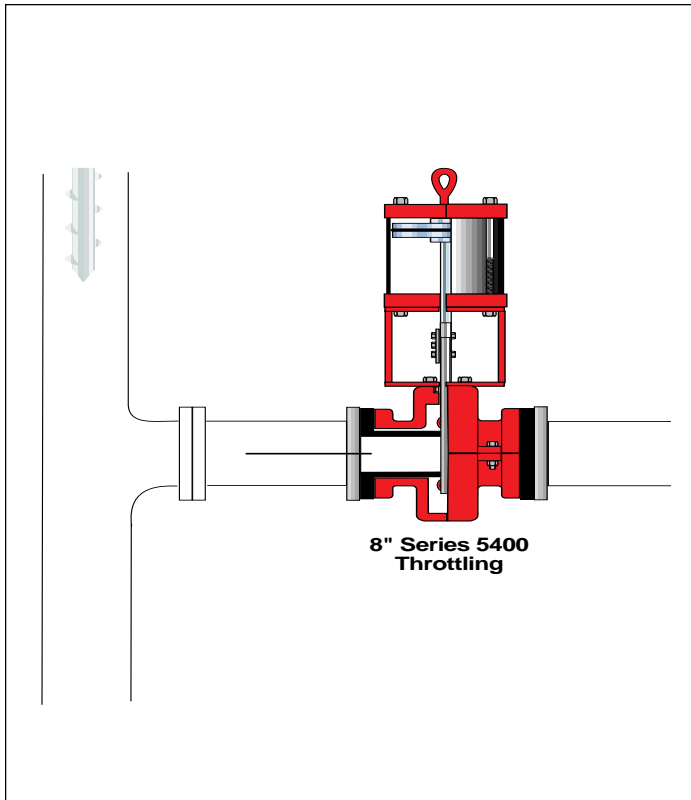


# Application Data

Chemical ♦ Drilling Mud Slurry ♦ Series 5400



A large oil company that operates both off-shore and on-shore oil rigs was experiencing problems with metal-seated ball valves. During the drilling process, a mud slurry is pumped into the drilling hole. This slurry is very abrasive and corrosive, and would quickly eat up the metal ball valves they had been using. Additionally, the mud had a tendency to de-water and plug the ball valve completely. A new valve was needed that would accurately control the flow of the mud slurry, but also provide a long service life in such a demanding application.

The company turned to Red Valve's Series 5400 Control Pinch Valve. The Series 5400 features a full-port, centerline closure, and a pneumatic air-to-open, air-to-close actuator. The rubber sleeve of the Series 5400 is the only wetted part of the valve, and offers excellent abrasion and corrosion resistance. The sleeve is connected to the pinch mechanism so that it is pulled to the full open position on every cycle. This flexing action of the sleeve breaks up the de-watered mud and keeps the sleeve free of obstructions.

