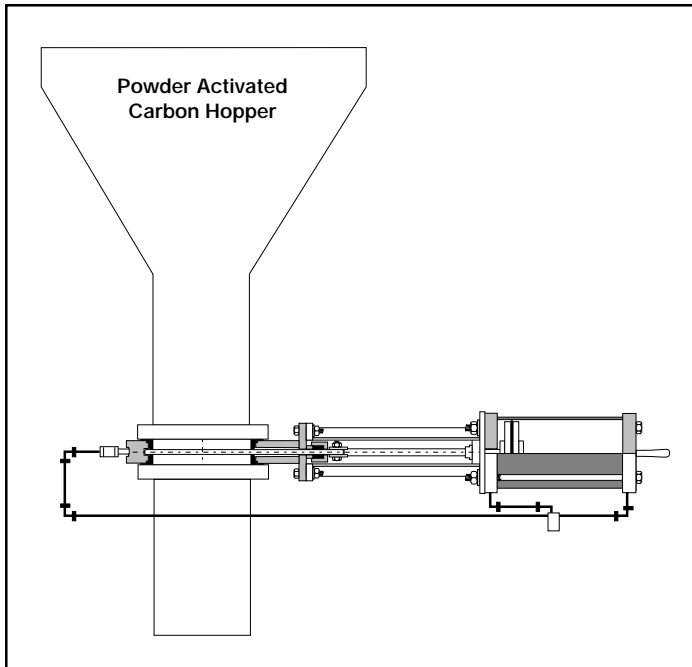


Application Data

Chemical ♦ Carbon Black ♦ Flexgates®



A plant in Oklahoma that manufactures Chemical Carbon Black was unable to find a valve that would work for their application. The carbon black was stored in large hoppers, and discharged by gravity through an isolation valve. The material is in powder form, and kept at 250°F. This hot, abrasive material would quickly score plug and ball valves, causing them to leak. Other styles of knifegates were also tried, but all suffered the same problems.

The plant liked the features of the Red Valve Slurry Knifegate. . . a full port when open, bi-directional seal, replaceable seats. . . and decided to give it a try. The Flexgate is supplied with flush ports, so the plant connected the air system from the actuator to flush out the seating area on every cycle. The valve exceeded their expectations and is now in use throughout the plant.

