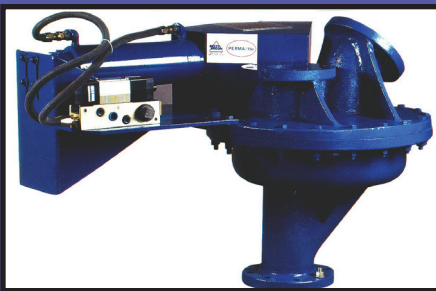




PERMA/FLO DIVERTER VALVES

PERMA/flo SWING DISC DIVERTER

The Delta/Ducon PERMA/flo Swing Disc Diverter Valve is a two way, conveying line diverter which is furnished in either cast iron (4", 6", & 8") or fabricated carbon steel construction (12") with ANSI flanged ends. The diverter incorporates a heavy duty 550 BHN Ni-Hard swing disc which is positioned over the opening which is opposite the desired flow. Material is allowed to build up over the closed area, and the build up of material in the closed zone actually creates a pocket which allows the material to act as a wearback upon itself, thus minimizing wear within the valve.



An oversized air cylinder and heavy duty disc arm swing the disc to the next position and dislodge any built up of material which remains after the line is purged. In addition, the swing arm is held in tension by means of a spring which assures a tight seat at all times. Conveying line pressure further pushes the disc into the seat, thus providing an

PERMA/flo PINCH & KNIFE GATE DIVETER

The PERMA/flo Pinch & Knife Gate Diverter Valve are used to divert abrasive materials into a pressure or vacuum system while maintaining an airtight seal on the closed divert leg. The valve body is constructed of cast 550+ BHN P-33 Alloy with a multitude of sealing surfaces including Pure Gum Rubber, AR Steel , and more.

When material is required to be diverted, a signal is sent to the solenoid (by means of existing controls) to close the desired divert leg. The sealing surface will be pushed close (utilizing 80-100 PSIG clean/dry plant air) creating a solid barrier which material can not pass through. At this point material will build up in one portion of the lateral allowing the material to deflect off itself and into the open portion of the lateral.

PERMA/flo Diverter Valves are commonly used in the Power, Cement, Steel , & Building Products industry conveying abrasive materials such as Ash, Limestone, Gypsum, Cement, EAF Dust, & Sand.