

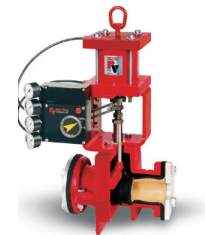
Innovative Valve and Control Products

RED VALVE PRODUCTS



AIR OPERATED PINCH VALVES

First introduced by Red Valve, Type A Pinch Valves are the most economical automatic valves on the market. Large Diameter Megaflex Pinch Valves are ideal for influent control with a full port opening, no moving parts and no external actuator. Sizes 1/8" to 96".



CONTROL VALVES

Red Valve Control Valves offer maximum durability with precise control. The self cleaning elastomer sleeve trim offers a 20:1 turndown ratio and 0.89 recovery factor, while eliminating cavitation, scaling and bridging of slurries. Available with custom sleeve trims. Sizes 1/2" to 60".



MANUAL PINCH VALVES

Manual Pinch Valves from Red Valve are designed for use on abrasive and corrosive slurries. The elastomer sleeve provides excellent wear resistance and ensures the operating torque remains constant. Sizes 1/2" to 96".



KNIFE GATE VALVES

Red Valve Knife Gate Valves are a heavy duty and rugged engineered product for operator dependability, low maintenance and excellent abrasion resistance. Available with metal or resilient seats. Sizes 3" to 72".



PRESSURE SENSORS

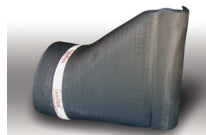
Providing a full 360° pressure reading, Red Valve Pressure Sensors are the industry standard for protecting instrumentation and ensuring accurate, dependable pressure measurement. Ideal for progressive cavity pump protection.



REDFLEX® EXPANSION JOINTS

Redflex® Expansion Joints, Reducers, Rubber Pipes, Vibration Pipes and Rubber Fittings are the industry standard. Sizes 1" to 120".

TIDEFLEX® PRODUCTS



TIDEFLEX® CHECK VALVES

Tideflex® Check Valves stand alone as the product of choice for backflow prevention and for replacing high maintenance flap gates. Sizes 1" to 96".



CHECKMATE® CHECK VALVES

Designed with our revolutionary check valve technology, CheckMate® UltraFlex® Inline Check Valves provide maintenance free backflow prevention and odor mitigation. The valves boast extremely low headloss and are easily installed into existing pipes.



AERATION SYSTEMS

Tideflex® Coarse Bubble Aeration Systems improve mixing by increasing jet velocity while preventing backflow and plugging of the diffuser manifold. We provide complete engineer design services.



TIDEFLEX® MIXING SYSTEMS

Patented Tideflex® Mixing Systems (TMS) technology improves water quality in storage tanks. We provide full design services to assist consulting engineers and owners. A complete system is installed within the tank to ensure a reliable water mixing system.



EFFLUENT DIFFUSER SYSTEMS

Tideflex® Effluent Diffuser Valves prevent intrusion of saltwater and sediment into marine outfall systems, keeping the outfall operating at peak hydraulic capacity and dilution efficiency.



WATERFLEX® CHECK VALVES

Unique wafer-thin elastomer Waterflex® Check Valves provide reliable backflow prevention for potable water applications. With no moving parts that require maintenance or repairs, operational costs are low and service life is long.

Industry Applications for Pinch Valves and Sensors

PULP AND PAPER

Pulper Water Systems
 White Water Bypass
 Black, White and Green Liquor
 Recausticizing
 Paper Coatings (Coating Kitchen)
 Talc and TiO₂ Control and Isolation
 High Density Paper Stock
 Lime (pH Isolation and Control)
 Pulper Waste (Scavenger)
 Recycled Paper
 Hypo Control Bleach Groundwood Pulp
 Hypo Hydrogen Peroxide

CHEMICAL

Lime Addition or pH Control
 Fibers, Powders
 Industrial Chemical Treatment
 TiO₂ Pigments and Coatings
 Powders
 Salt or Saline Production or By-products
 Plastic or Polyethylene Pellets
 Acid Plants
 Thickener Underflow
 Clarifier Underflow
 Wastewater
 Phosphoric Acid
 Sulfuric Acid

CORN PROCESSING

Precoat
 Heavy Steep Water Control
 Carbon Column Isolation
 D.E. Feed to Vacuum Drum Filters

WASTEWATER TREATMENT

Grit Isolation Valves
 Carbon Slurry Control
 Lime or Polymer Feed
 Throttling Raw Sewage
 Sludge Isolation
 Sludge Handling
 Flow Equalization
 Large-diameter Influent and Effluent Lines
 Alum Mixing and Feed Lines

SALT INDUSTRY

Brine Solution Control
 Pneumatic Conveyed Salt

GLASS INDUSTRY

Pneumatic Conveyed Sand
 Pumice Slurry Isolation and Control

CERAMIC INDUSTRY

Clay Slurry Control / Slurry Isolation Valves

POWER

FGD Scrubber Systems
 Fly Ash Handling
 Fuel Oil Slurry
 Lime and Limestone Transportation
 Control of pH of Ash Slurry
 Cooling Water
 Coal Sampling
 Geothermal Brine
 Bottom Ash Distribution
 Coal Slurry

MINING

Cyclone Separation
 Lime Control and Lime Dosing
 Leaching Processes
 Pump Isolation
 Tailing Disposal
 Slurry Control and Flotation Cells
 Thickener Underflow
 Dust Collection Systems
 Bauxite Mining
 Ball Trap Discharge
 Smelter Concentrate Feed
 Sampling Systems
 Industrial Minerals
 Smelter Level Control
 Smelter Flux Feed
 Sulfuric Acid Lines in Smelter
 Hydrosizers
 Filter Feed and Filter Water
 Thickener Feed Distribution

CEMENT

Slurry Control Valves - Feed to Kiln
 Blow Pot Valves - Dense Phase
 Pneumatic Conveying Isolation
 Blow Pot Vent Valves
 Replacement for SK Valves - Top of Silo
 Aggregate Washwater
 Batch Plants

IRON AND STEEL

Lime Addition or pH Control
 Pneumatic Conveyed Coal
 Roll Cooling Isolation
 Caster Water
 Steel Making Slurries
 BOF Scale Water Slurries

BATTERY PLANT

Chemical and Solids Feed Valves