

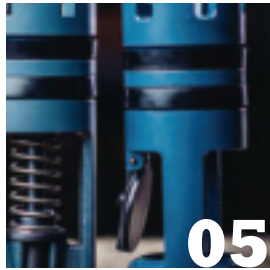


Drillmax[®]

Performance Delivered.

DRILL PIPE FLOAT VALVES • GATE VALVES • SHEAR RELIEF VALVES





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Performance.

Reliability.

Availability.

We are a leading manufacturer of drill pipe float valves, gate valves, and shear relief valves. Our valves are used across the globe for onshore and offshore drilling of wells in the oil and gas, water well, and air drilling industries.

Since 1996, the company has grown organically through a commitment to produce superior valves that are durable and perform consistently in harsh drilling conditions. As a trusted source for reliable valves, our production methods conform to quality processes, policies, and procedures.

The foundation of our business is built on the four pillars of quality, performance, reliability and availability. Our management team and dedicated employees make safety, quality, and environmental standards a priority. We understand harsh conditions place stress on drilling equipment and you can count on us to

deliver products that meet strict QA/QC verification to protect people and the environment.

Our drill pipe float valve, the "Blue Valve," is our flagship product. Building upon the solid reputation of our float valve, we have developed the new DrillmaxPro™ series to meet the industry demand for drilling high-pressure, high-temperature (HPHT) wells. Our DrillmaxPro float valve can safely handle pressures up to 10,000 psi.

We have grown and evolved over the years, and our updated look reflects the quality, energy, and forward-looking culture of Drillmax. Our new headquarters and modern 10,000 SF production facility is located in Houston Texas. We strive to exceed our customer's expectations with product availability, technical support assistance, and customer care sales support from ordering to delivery.

Drill Pipe Float Valves



The Blue Valve - the most economical and durable on the market.

Drillmax manufactures a superior line of drill pipe float valves in F-type plunger and G-type flapper, available in a variety of models and sizes. Drillmax valves are Xylan® coated, providing extra protection against erosion and corrosion.

Features

- Interchangeable with Baker®/Forum style
- One-piece cage design for improved reliability
- Cages have increased wall thickness of 20% - 25%
- Made from ductile iron or carbon steel alloys
- Carbon steel alloys heat treated to hardness levels at or below 22 Rockwell C for H2S applications
- Xylan® Fluoropolymer coating on all cages
- Higher impact properties, resulting in longer life
- Available with corrosion resistant Inconel® springs
- Repair Kits available in rubber and metal
- Baffle Plates (ring or spider) for use on bits, DP float valves, and in tool joints

Models

- Model F Plunger Type
- Model FA Ported Plunger Type
- Model G Full Flow Flapper Type
- Model GA Full Flow Ported Flapper Type with Carbide Orifice
- Model GC Full Flow Flapper Type with Auto Fill
- Model GCA Full Flow Ported Flapper Type with Auto Fill and Carbide Orifice
- Model GS* Full Flow Flapper Type
- Model FBP & FBPA Plunger Type with Integral Baffle Plate

Drill Pipe Float Valve Sizes

Model F, FA, FBP, and FBPA Sizes	
1R	4R
1F2R	4F
2F3R	5R
3F	5F6R
3½ IF	6F

Model G, GA, GC, GCA, and GS Sizes	
1F2R	4F
2F3R	4F GS*
3F	5R
3½ IF	5F6R
4R	

*Model GS comes in size 4F short

Gate Valves DEMCO® DM Style



A dependable, dual-flow valve with excellent tight shut-off sealing.

Drillmax Demco® DM style Gate Valves (Mud valves) are engineered for reliability in high pressure demands and designed for mud, fluids, gas, and air. The seats are designed to provide a positive, tight shut-off every closing cycle. Once closed, line pressure forces the gate up against the downstream port sealing it against the rubber seat.

Features

- Interchangeable with Demco® style
- In-line field repairability.
- 5000 PSI working pressure sizes 2", 3", 4", and 5"x4"
- 7500 PSI working pressure sizes 2"x3", 4", and 5"x4"
- Bi-directional drop tight sealing
- Available service—standard, H₂S sour gas, and high temperature
- Double acting threads and rising stem allow opening and closing the gate with ease
- Rising stem protects threads from fluids
- Sight lens included on larger sizes

- Extensive Quality Assurance verification and testing
- Repair kits include Seal kits, Minor, Major, and Major with Stem

Connection Types

- Flanged
- Threaded
- Butt Weld

Applications

- Oil and Gas drilling onshore and offshore rigs
- Exploration wells
- Appraisal wells
- Development or production wells

Shear Relief Valves

DEMCO® Style



Reliable, safety pressure-relief Demco® style shear relief valve.

Drillmax Demco® style Shear Relief valves are known for their dependability and effectiveness and are installed on the discharge end of the mud pump. The shear relief valve controls the pressure in a system to prevent potential equipment failure. When pressure exceeds the limit of the pin, the pin is “sheared” relieving pressure and preventing costly repairs.

Features

- Available in 2" and 3" connection sizes
- Interchangeable with Demco® style
- Pressure ratings range from 1000 PSI to 7500 PSI
- Provides protection of personnel, environment, and property in over-pressure event
- Shear pins available in different colors to help select correct shear pressure
- Re-usable valve – if an over-pressure event occurs, correct pressure problem and insert new shear pin

- Pin kits, minor, and major repair kits available

Applications

- Oil and Gas drilling onshore and offshore rigs
- Exploration wells
- Appraisal wells
- Development or production wells



The rugged float valve designed for high temp and high pressure drilling.

DrillmaxPro™

DrillmaxPro™* is our new line of high pressure drill pipe float valves in Model 10K F plunger type and Model 10K G flapper type.

The DrillmaxPro™ Series provides all the features of our proven Drillmax Drill Pipe Float Valve. These valves are engineered to handle the higher pressures associated with running drill pipe further and deeper.

Features

- Pressure ratings up to 10,000 PSI
- More robust cage and internal parts
- Xylan® coated
- Safety valve feature assists BOP equipment to maintain control over pressure in the line

- Stops back flow when breaking connections
- Available service
 - Standard
 - H2S/HT 300 HNBR/HSN
 - H2S/HT400 Viton®
- Replacement parts and repair kits available

Applications

- High-pressure environments
- Oil and Gas drilling onshore and offshore rigs
- Exploration wells
- Appraisal wells
- Development or production wells

* Patent Pending

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