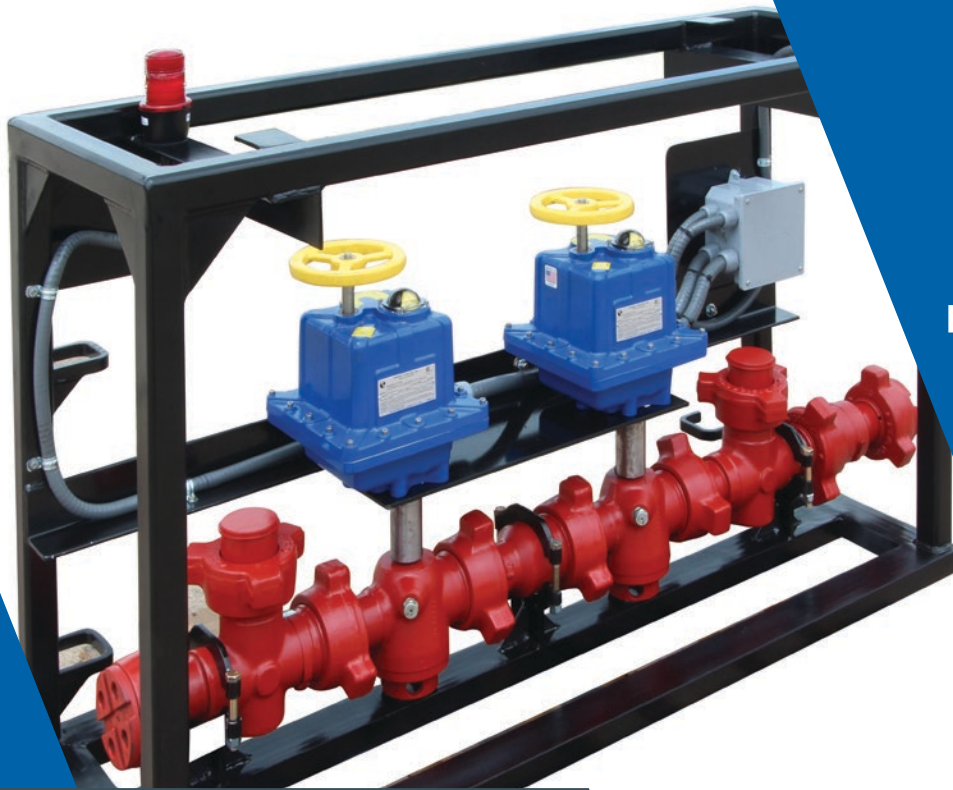




DMSTechnologies

**Innovative Pressure Control
for Completion Operations**



Reduced Operating Expenses

The in-line positive choke located downstream of the valves assures a safe, controlled release of pressure between frac stages, which extends the life of the valves and consequently reduces overall operating expense.



Enhanced Safety

Through remote operation from the data van, the Automated Bleed-off System nullifies hazards by removing personnel from the exclusion zone during pressure bleed off of high-pressure lines between frac stages. The system is remotely operated from the data van.



Minimize Maintenance & Field Support

Modular design reduces maintenance time and expense and allows components to be easily changed out between frac stages. The downstream positive choke also greatly reduces preventive maintenance on the valves by allowing more controlled pressure bleed offs.



Portable & Modular

Moving the ABS from one location to another is simple and the unit can be easily picked up by either fork lift or crane. Weighing approximately 850 pounds, the skid can be transported, set, leveled, configured, and connected to your specific frac configurations.

AUTOMATED BLEED-OFF SYSTEM*

**Cut Costs and Increase Safety
During Pressure Bleed Off**

***PATENT PENDING PROPRIETARY TECHNOLOGY**

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CONFIGURATION OPTIONS

- » Scalable solution for various size treating iron sized (2", 3", 4") as well as varying heights of centerline
- » Multiple valve options including 2x2 or 2x1 bleeder valves (recommended) or plug valves
- » Positive displacement choke for controlled pressure bleed-off
- » Two additional ports (tee with female end), which can be used as additional pressure ports for independent pressure monitoring
- » Optional configurations for rigging up pressure relief valves and/or burst discs
- » Customizable to site-specific operating procedures

SYSTEM FEATURES

- » Quarter-turn valve actuators can be adjusted to open or close in 8 to 20 second intervals
- » Variable length cable for both power supply and control of valves from data van
- » Remote control box (operated from Data Van) with independent switches for each valve
- » Remotely actuated bleed-off or plug valves driven by 110V electric motors
- » Equipped with limit switches to show when valve is in fully closed position (RED Beacon) and fully open position (Green Beacon)

WHO IS DMS TECHNOLOGIES?



DMS Technologies pursues innovative ways to make the oilfield safer, more efficient, and more productive. With decades of experience, the principals have embarked on a mission to improve frac operations. Detailed equipment definition and full ground-up equipment design are essential for making frac sites as efficient and safe as possible. Each new product goes through extensive research and development before being offered commercially.

The ultimate goals of the company are aligned with frac operator's goals and assure that an investment in DMS Technologies' products pays dividends well into the future.

SYSTEM SPECIFICATIONS

**1502 FRAC IRON RATED TO
15,000 PSI WORKING PRESSURE**
high pressure flow iron

**110 VOLT ELECTRIC
valve actuators**

**15,000 PSI AT
187 NEWTON-METERS**
opening torque

850 lbs
base-unit weight