



Consolidated

Best Under Pressure

1900 Series Universal Media



1900 Series

Universal Media
Pressure Relief Valve



FLEXIBILITY PERFORMANCE DURABILITY



Handles liquid and vapor interchangeably without adjustment, resulting in time and cost savings.



Engineered for Exceptional Performance and Resource-Saving Simplicity



Industry Leadership

Groundbreaking Solution

Dresser Consolidated furthers its industry leadership and technology innovation with the 1900 Series Universal Media pressure relief valve. The first valve capable of interchangeably handling liquid and/or vapor without adjustments, it offers a ground-breaking solution for multi-phase process applications.

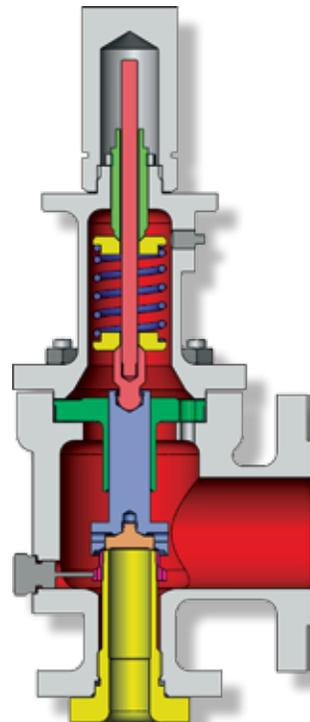
The 1900 Series Universal Media valve is engineered for exceptional performance and smooth operation while offering the economical flexibility of one valve for both liquid and vapor with no adjustment. It reduces inventory, delivers simplicity, and provides one of the lowest blow down rates in the industry for profit protection. Plus, it is certified and in compliance with the standards required for your application.

Media Flexibility

The 1900 Series Universal Media valve is certified for both liquid and vapor to seamlessly change from one medium to another without requiring adjustments, whether you have a multi-phase process, or multiple processes running at the same temperature and pressure with different media. Using state-of-the-art technology, the valve can easily accommodate both liquid and vapor interchangeably. It goes beyond customer specifications for dual media valves to deliver a custom-quality solution for multi-phase or multiple process applications.

Excellent Performance

Exceeding the blow down rate of other valves in the market by approximately 200 percent, the 1900 Series Universal Media valve can be counted on to deliver exceptional performance and reduce the loss of valuable product, which means money in your pocket. It is expertly engineered with innovative bore and flow path designs for smoother operation. What's more, it offers low noise levels even when handling vapor.





Technology Innovation

Simplicity

The 1900 Series Universal Media valve's ability to seamlessly handle both liquid and vapor results in simplified inventory management, operations and maintenance. One valve can serve both functions saving money and time while reducing complexity. It also simplifies the selection process. Vapor and liquid trim variations are eliminated and replaced with the Universal Media trim for easy configurability and a smooth fit in multi-phase process applications. Works with liquid and vapor without requiring adjustments

- Having only one valve to handle both media interchangeably saves time and money
- Easy maintenance
- Simplified inventory management
- Reduces trim variations for configurability

Rugged Durability

The 1900 Series Universal Media valve builds on the reliability of the Dresser Consolidated 1900 Series. It is equipped with corrosion-resistant trim as well as a carbon steel body, bonnet and cap. Plus, the nozzle is bottom-inserted and rigidly held in position providing a corrosion-resistant flow path and seating surfaces.

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- Nozzle is bottom-inserted and rigidly held in position for a corrosion-resistant flow path and seating surface

Configurability

Dresser Consolidated offers the 1900 Series Universal Media valve in a range of standard and custom configurations to fit easily and conveniently into most applications. It comes in the same familiar and popular configurations available for the 1900 Series valve.



Expertly Engineered

OPERATING ENVELOPE	
Inlet Sizes	1" through 12" in either flanged, Grayloc or sanitary fitting design
Inlet Ratings	ANSI Class 150 through 2500
Outlet Sizes	2" through 16" flanged
Outlet Ratings	ANSI Class 150 and 300
Orifice Sizes	Sixteen sizes: D through W
Set Pressure Range	4 psig (.275 bar) to 6,250 psig (430.9 bar)
Temperature Range	-450°F (-267°C) to 1,500°F (815°C)
Materials	Standard: Cast carbon steel body with stainless steel trim. Special alloys are available for specific applications.
Codes	Certified to ASME Sections III and VIII; complies to API 526, 527, PED, EN/ISO 4126, and many local standards.

Performance Characteristics

		SET PRESSURE	BLOWDOWN	K_d (DISCHARGE COEFFICIENT)
1900 Universal Media (UM) Trim	On Vapor	± 3% or ± 3 psi	3 - 6%	0.950 (avg.)
	On Liquid	± 3% or ± 3 psi	Less than 10%	0.744 (avg.)



Superior Quality
Exceptional Service

About Dresser Consolidated

Dresser Consolidated, headquartered in Houston, Texas, has been an international leader in dependable pressure relief valves and solutions for more than 100 years. A business segment of Dresser, Inc., the company delivers the trusted expertise to provide and service reliable flow safety systems in critical applications around the world. www.dresser.com

About Dresser, Inc.

Dresser Inc. is a global leader in providing highly-engineered infrastructure products for the global energy industry. Leading brand names within the Dresser portfolio include Dresser Wayne® retail fueling systems, Waukesha® natural gas-fired engines, Masoneilan® control valves, Consolidated® pressure relief valves, and ROOTS® blowers and rotary gas meters. The company has manufacturing and customer service facilities strategically located worldwide and a sales presence in more than 150 countries. www.dresser.com.

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