



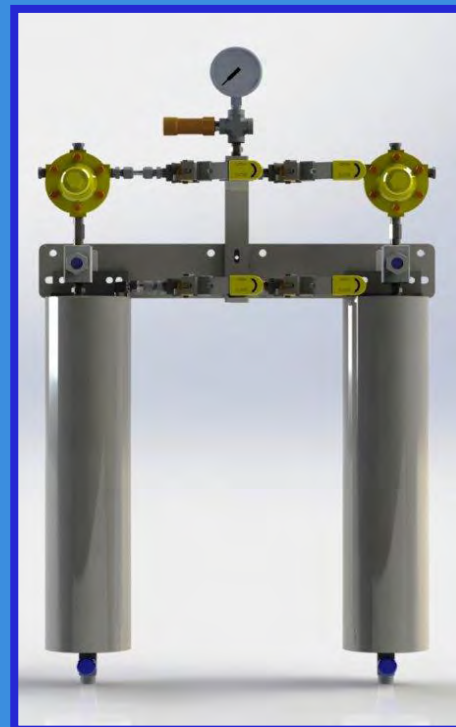
# Systems, Inc.

## Series WFD722 Instrument Supply System

Distributed by:  
**Linc Energy Systems**  
[www.LincEnergySystems.com](http://www.LincEnergySystems.com)

### OPERATIONAL PRINCIPLE

Pipeline natural gas at high pressure enters the IMAC WFD722 inlet. Two parallel FD5 filter drying assemblies used for moisture, debris, or other contaminant removal each have a high pressure regulator connected on the outlet side with a shared common output line. The primary regulator (R1) is set slightly higher (~20psi) than the secondary regulator (R2) so that the filter dryer (FD1) is only operational. In the event the (FD1) becomes fouled with excess build-up due to contaminants, the output through (R1) will decrease causing the secondary regulator (R2) and filter dryer (FD2) to take over. This switchover operation happens automatically and without any service interruption. The use of a simple pressure gauge and relief valve monitor the pressure to the pneumatic supply within a system.



### FEATURES OF MERIT

- Rugged, compact design for easy installation
- Various types of filtration media available (application dependent)
- Filtration replacement without interruption of service
- Designed with overpressure protection for downstream equipment
- Indicator gauge & relief valve for visual monitoring of pressure to controls
- Redundant 3-micron filtration with dual controlled pressure regulation



## TECHNICAL SPECIFICATIONS

### Connection Size

- 1/4" NPT (other sizes available)

### Maximum Inlet Pressure

- 1500 PSIG

### Materials of Construction

- Carbon Steel body
- Stainless Steel Tubing & Fittings
- Viton Seals (other seal material available)

### Temperature Ratings

- -40 F TO 225 F (+107 C)

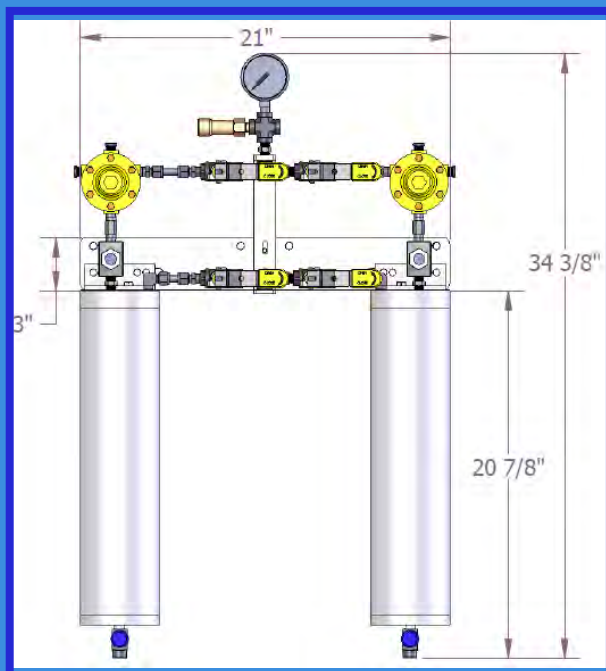
### FLOW RATES

- UP TO 50 SCFM (3000 SCFH)

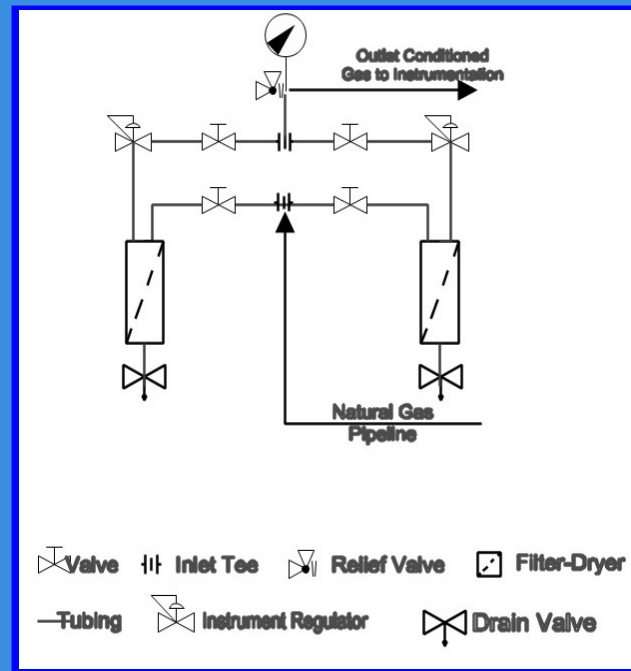
## OTHER IMAC SYSTEMS AVAILABLE WITH....

- Catalytic Coil Heater
- Complete Mounting Stand
- Drip Pot Assembly
- NEMA 4X Enclosure
- Multi-Valve Manifolds
- Tattle-Tail Visual Moisture Indicator

## DIMENSIONS



## SERIES WFD722 P&ID



90 Main Street, P.O. Box 1605  
Tullytown, PA 19007  
www.imacsystems.com  
sales@imacsystems.com

1-800-955-4GAS  
Phone: (215) 946-2200  
Fax: (215) 943-2984