

Manzel[®] Lubrication Equipment

Safeguarding the World's Natural Gas Distribution Network

Pumps

Box Lubrication Systems

The industry's most complete, highest performing force feed pumps



GBL-7500

Features

- Rugged construction for high performance and durability
- Suction and gravity/pressure feed models for application flexibility
- Precise, accurate output—sightglass drops indicate actual oil flow

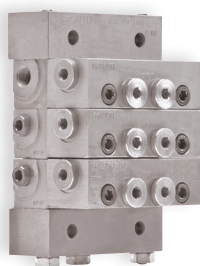
Technical Specifications

| Pump | Maximum Pressure | Feed Type | |
|-----------|-----------------------|-----------|-------------|
| | | Vacuum | Pressurized |
| Model 25* | 1,000 psi (68 bar) | X | |
| DSL | 3,000 psi (207 bar) | X | X |
| GBL-7500 | 7,500 psi (517 bar) | X | X |
| MVB | 8,000 psi (551 bar) | | X |
| Model 15 | 15,000 psi (1034 bar) | X | |
| Model 50 | 50,000 psi (3448 bar) | X | X |

*indoor use only

Series Progressive System

Divider Valves



The industry standard for natural gas engines and compressors

Features

- Precisely proportions oil volume to meet the needs of every lube point
- Operates sequentially to ensure no point is missed
- Ideal for compressor and engine application or anywhere high pressure lubrication is required
- TFE seals standard in MHH valves for temperature and material compatibility
- SAE, NPSF or metric threading for worldwide compatibility

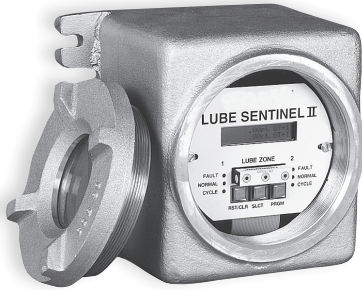
Technical Specifications

| | MH6 | MH9 | MH12 | MH18 | MH24 | MH30 |
|--|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Maximum Pressure MHH Valve | 7,500 psi (517 bar) | 7,500 psi (517 bar) | 7,500 psi (517 bar) | 7,500 psi (517 bar) | 7,500 psi (517 bar) | 7,500 psi (517 bar) |
| Output Twin Outlet, in ³ (cm ³) | 0.006 (0.098) | 0.009 (0.148) | 0.012 (0.197) | 0.018 (0.295) | 0.024 (0.393) | 0.030 (0.492) |
| Output Single Outlet, in ³ (cm ³) | 0.012 (0.197) | 0.018 (0.295) | 0.024 (0.393) | 0.036 (0.590) | 0.048 (0.787) | 0.060 (0.983) |
| Cycle Indication | N/A | N/A | N/A | Optional | Optional | Optional |

The broadest range of equipment, backed by the largest worldwide distribution network

System Monitoring

Lube Sentinel II™



The Lube Sentinel II is a microprocessor based monitor that can be configured in-the-field, capable of detecting flow variations in a Series Progressive type lubrication system

Features

- Capable of monitoring one or two zones
- Real-time flow monitoring with both low-lube and high-lube fault indicators
- Standard and metric display measurements for worldwide compatibility

System Accessories

Accessories

A full range of accessories to ensure complete and accurate lubrication



Simple point troubleshooting with visual indication and simple reset

Reset Indicator

- Provides quick troubleshooting tool with visual indication
- No tools for reset or parts to replace after indication
- Easy information on blocked lines, high system pressure or blocked bearings



Magnetically-operated sensing devices for sending system data to the controller or PLC

Proximity Switch

- Monitors piston movement to ensure completed lubrication cycle
- Provides positive feedback based on actual metering piston movement
- Able to be set for normally open or normally closed operation



Indicates flow or no-flow at any point in the system ahead of the inlet

Lube Line Alert

- Universal use - operates in any air free force feed lubrication system
- Sensitive to a wide range of flow—from .006 to 190 cubic inches per minute
- Operates on systems up to 10,000 psi (689 bar)
- Explosion-proof - UL and CSA Listed for Class I Groups C & D and Class II Groups E, F & G. Division 1 & 2 when installed as per NEC 501

Contact us today!

Call **800-533-9655** to speak with a Graco representative, or visit **www.graco.com** for more information.

