



# Manzel™ Lubrication Equipment

Safeguarding the World's Natural Gas Distribution Network



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

- The industry's most complete, highest performing force feed pumps
- Series Progressive System, precisely proportions oil volume to meet the needs of every lube point
- A full range of accessories to ensure complete and accurate lubrication

PROVEN QUALITY. LEADING TECHNOLOGY.



# Manzel™ Lubrication Equipment

## Safeguarding the World's Natural Gas Distribution Network

### ACCESSORIES

A full range of accessories to ensure complete and accurate lubrication

#### Reset Indicator

- Rapid-action troubleshooting tool with visual indication
- No tools required for reset or parts to be replaced after indication
- Simple, clear information about blocked lines, high system pressure and blocked bearings

*Simple point troubleshooting with visual indication and simple reset*



#### Proximity Switch

- Monitors piston movement to ensure completed lubrication cycle
- Provides positive feedback based on actual metering piston movement
- Can be set to open or closed operation as standard

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



#### Lube Line Alert

- Universal use - can be used in all air-free force feed lubrication systems
- Sensitive to a wide range of flows –from .006 to 190 cubic inches per minute
- Operates on systems up to 689 bar (10.000 psi)
- 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

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



### BOX LUBRICATORS

Box Lubrication Systems

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

#### 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*	68 bar (1.000 psi)	X	
DSL	207 bar (3.000 psi)	X	X
MVB	551 bar (8.000 psi)		X
Model 15	1034 bar (15.000 psi)	X	
Model 50	3448 bar (50.000 psi)	X	X

\* indoor use only

### DIVIDER VALVES

Series Progressive System

#### FEATURES

- Accurately administers oil volume to meet the needs of each lubrication point
- Operates sequentially to ensure no point is missed
- Ideal for compressor and engine applications as well as anywhere that high pressure lubrication is required
- TFE seals standard in MHH valves for temperature and material compatibility
- SAE, NPSF or metric threading for worldwide compatibility



*The industry standard for natural gas engines and compressors*

#### TECHNICAL SPECIFICATIONS

	MH6	MH9	MH12	MH18	MH24	MH30
Maximum Pressure MHH Valve	517 bar (7500 psi)	517 bar (7500 psi)	517 bar (7500 psi)	517 bar (7500 psi)	517 bar (7500 psi)	517 bar (7500 psi)
Output Twin Outlet, cm <sup>3</sup> (in <sup>3</sup> )	0.098 (0.006)	0.148 (0.009)	0.197 (0.012)	0.295 (0.018)	0.393 (0.024)	0.492 (0.030)
Output Single Outlet, cm <sup>3</sup> (in <sup>3</sup> )	0.197 (0.012)	0.295 (0.018)	0.393 (0.024)	0.590 (0.036)	0.787 (0.048)	0.983 (0.060)
Cycle Indication	N/A	N/A	N/A	Optional	Optional	Optional

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