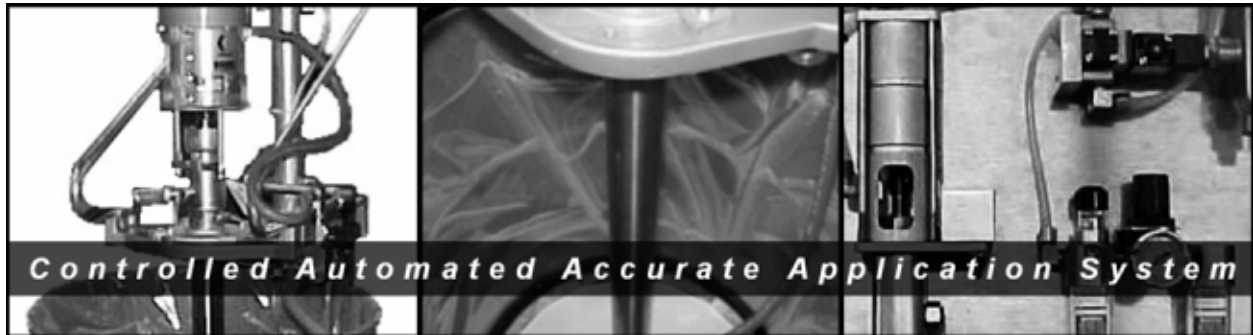


# IRMCO GEL® IRMCO EXTREME® APPLICATION HARDWARE SYSTEM



**IRMCO® APPLICATION HARDWARE SYSTEM** is the most dependable, durable and cost effective method to deliver and apply IRMCO GEL® and IRMCO EXTREME® forming film technologies during critical mandrel tube bending.

**100% TOOL PROTECTION** – This system pumps IRMCO GEL or EXTREME from a standard 55-gallon drum, feeds a ball valve metering assembly and applies a precise amount to every critical tool surface, during every forming cycle. User can distribute pre-determined amounts of material into the mandrel rod and wiper-die, eliminating tool starving and premature tool wear.

**100% PUMP EXTRACTION – ONE SYSTEM – SIX MACHINES** – System extracts the material from the drum and delivers up to six ball valve assemblies or benders. A fully pneumatic system offers easy drum change out and virtually 100% usage of lubricant. The system combines the operator-friendly feature of an elevator with the time-proven pumping system manufactured by Graco and Dynaquip.

**PRECISION DISTRIBUTION** – Pneumatic ball valves are used to distribute the required amount of material to the mandrel and wiper die(s). The air-actuated valves dispense material once the bender provides an output signal and can operate simultaneously or independently depending on the signals from the bender. The frequency of each cycle is determined by the bender program. Volume is controlled by time and fluid pressure. Pneumatic ball valves, solenoids, air regulator and tubing are pre-mounted on a panel, reducing installation time.

## HARDWARE SYSTEM AND OPTIONAL PUMPS

Ball valve systems can be configured with up to six ball valves to feed one mandrel and 5 wiper locations.

### Full System

System as shown includes:

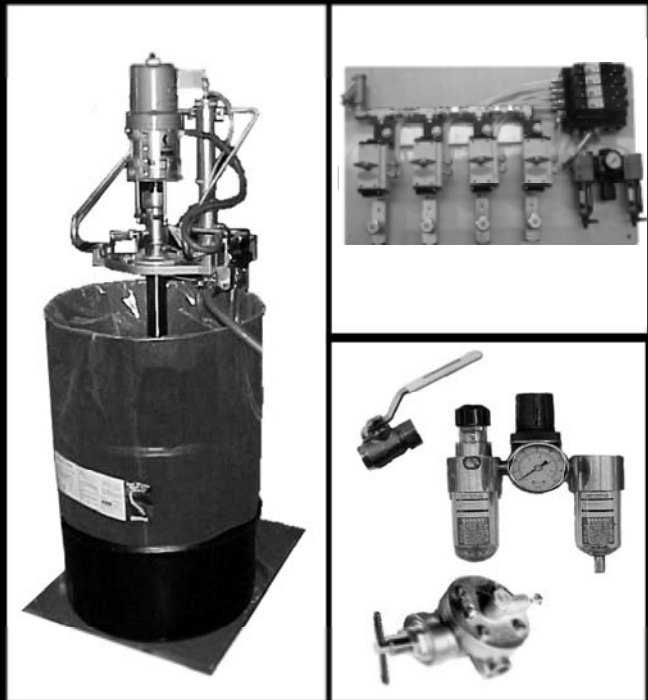
#### GBV4024-FC Four valve metering assembly

- Pneumatic ball valves with independent operation,
- Air regulator/filter/lubricator,
- Flow control valves
- 24VDC Parker modular air solenoid with four ports
- Plumbing and manifold mounted on a 16" x 30" aluminum plate with standoffs

#### GP-99998 Elevator

- Graco 5:1 Monark Pump
- CRS drum inductor plate to prevent cavitation
- Single cantilevered pneumatic cylinder to raise and lower pump assembly.
- Graco 3/8" ported shutoff valve
- Graco 3/4" ported runaway valve to prevent pump damage.
- Air regulator/filter/lubricator

(hoses not included)



### 5:1 Ratio Monark or Fireball Drum Pump

Pump is mounted into the bung hole of a 55 gallon drum lid.

For use with IRMCO Extreme only.

Customer supplies regulated, compressed air and high pressure or hydraulic hose(s).



### 15:1 Ratio Fireball Pail Pump

Pump is mounted to a 5 gallon open head pail.

Includes lid and follower plate. Hoses not included.

Customer supplies regulated, compressed air and high pressure or hydraulic hose(s).



Terms: 30% deposit with purchase order. Balance, net 30 days, FOB Evanston, IL. All items shipped 2-4 weeks from receipt of order.