



## ***A smooth operation depends on well greased valves***

Plant managers don't always remember to schedule the valves in a system for regular lubrication. The movement in a valve may only involve opening and closing, but that doesn't mean valves don't require the same lubrication as more complex, multi-part components. Whenever two surfaces must slide over one another, as they do in even the simplest valve, lubrication makes parts last longer and function more efficiently.

Hydraulic piping systems are generally not of concern because they usually have sufficient lubricity. On the other hand, lubrication can be critical in gas piping systems which function under high pressures.

When valves are ordered from CPV we strongly suggest that a lubricant be specified that is compatible with the system in which the valve will be used. As a result, seals and stem threads will be properly lubricated before the valves are shipped.

Once operational, CPV recommends a regular lubrication schedule be established. CPV Technical Support can help customers set this up, if necessary.



*"A little dab'll do ya"—remember to lubricate CPV valves.*

As often as not, lubrication can be as simple as opening the valve and smearing lubricant on the stem. When a regular lubrication schedule is adhered to, maintenance takes less time, the number of emergencies decreases and the piping system lasts longer.

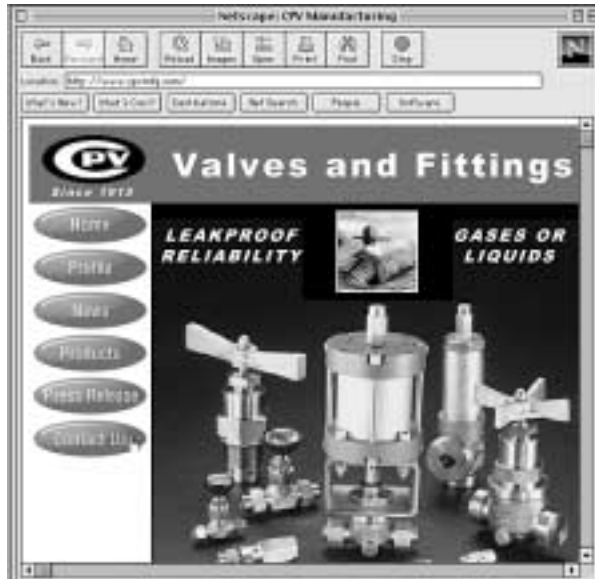
CPV has been a leading manufacturer of valves and fittings since 1915. The company's innovative designs are well suited to standard applications, as well as one-of-a-kind custom requirements. For more information or technical literature on CPV valves and fittings contact:

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# CPV Media Connections

You'll find CPV on our website and in these publications:

- Frazer's Canadian Trade Dir.
- Processing
- Chemical Processing
- Seapower
- Cryogas International
- Gases & Welding Distributor
- Thomas Register
- Machine Design
- Industrial Equipment News
- Industrial Process
- Products & Technology



## Specifications of all CPV products are available in our catalogs

**G-Series Valves**  
Shutoff, Needle & Check  
CATALOG 98

**FLOMASTER Air operated**  
shutoff valves  
CATALOG 96

**O-SEAL SYSTEM**  
VALVES AND FITTINGS  
CATALOG 68

**MARK VIII Shutoff & Regulating**  
Valves  
CATALOG 82

**MARK VIII O-SEAL**  
easy connect/disconnect  
hose fittings  
CATALOG 75

**MARK VIII TUBE FITTINGS**  
for direct braze or weld  
installation  
CATALOG 77

**MARK VIII O-SEAL**  
TUBE FITTINGS  
CATALOG 74

Slip-in Slip-out O-SEAL Valves Hold H<sub>2</sub>, He, and O<sub>2</sub> Leaktight To 6000 psi.

These proven flat-faced O-ring sealed valves offer the leakproof integrity of heat-sealed connections plus slip-in slip-out accessibility. They also feature a unique internal soft-seat design whose reliability has been proven in hundreds of rigorous applications. O-SEAL SYSTEM valves, in tube and pipe sizes from 1/8" to 2 1/2", are ideal for containing hard-to-handle gases (even hydrogen) to 6,000 psi. What's more, the O-SEAL SYSTEM actually uses line pressure – the higher the pressure, the tighter the seal. And O-SEAL valves have some of the highest flow characteristics of any hand-operated valves (actuators available). For leakproof containment of gases... nothing matches the reliability record of O-SEAL valves.

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Send for your FREE catalog!

Remote control to 6000 psi. New air-operated FloMaster™ shut off valves from CPV.

CO<sub>2</sub> H<sub>2</sub> Ar He

CPV has turned the corner on leakproof control of gases or liquids up to 6000 psi. Which means you no longer have to turn a valve handle manually to control high production operations; helium and hydrogen included.

- Proven soft seat technology provides years of bubble tight shut-offs.
- Air operated high performance actuator.
- Larger flow area increases productivity and decreases pressure drop.
- Flat faced union end connections for "slip-in, slip-out" access.
- Cartridge design for easy accessibility.

FloMaster shut off valves are available in globe or angle configurations and in pipe sizes from 1/8" to 1". Each valve is 100% pressure tested at the factory and documentation can be provided upon request. Call or write for free color catalog.

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### Hard to Find Valve or Fitting

## Spec it Right

The CPV Mark VIII line of stainless steel valves and tube fittings match your system requirements perfectly. Shutoff or regulating valves with traditional connections, or Mark VIII O-ring union ends for easy slip-in slip-out. Plus Mark VIII fittings the way you need them – connectors, tees, elbows, crosses, etc. O.D. tube sizes to 2". For leak free reliability to 6000 psi, ask for our catalog; you'll want to keep it on file.

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### Can't Shake Loose

CPV Mark VIII O-Seal tube fittings provide leak-proof reliability in thousands of demanding applications. The captive O-ring system assures a tight seal from vacuum to 6000 psi – even vibration can't shake these fittings loose. Flat faced design enables components to slip in or out without springing or cutting the line. Fittings can be brazed or welded in place. Sizes from 1/8" to 2". Send for FREE catalog.

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### Shutoff, Needle and Check Valves

## High Pressure Performers

New Stainless steel G-Series valves from CPV will provide long term reliable service in thousands of applications. They are rated for up to 6000 psi (413 BAR) and can function from -65°F (-54°C) to 400°F (204°C), depending on seal material selected. The soft seat design (stem inserts) assures years of bubble tight shutoffs, in either gas or liquid service. Six orifice sizes; a variety of pipe or tube end connections from 1/8" to 1 1/2". Contact CPV for the new catalog.

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