

# W&O Presents CPV Manufacturing™

## American Engineering Trusted Worldwide™ For More Than A Century

W&O is pleased to present CPV: highly engineered valves and fittings designed for a wide variety of maritime applications including air, hydraulic, high pressure fluid systems and control panels, used by the United States Navy and Commercial Maritime in both standard and custom applications.

For more than 50 years, CPV's principle of maintaining the highest quality of core products has been central to its day-to-day work and larger development, it's not the only one that has guided CPV's success. They place equal importance on beginning every design challenge with a complete picture of their customer's needs and expectations, going beyond "one size fits all." CPV takes the time to understand exactly how the products will be applied, and incorporate that information from the initial designs to the manufacturing process.

W&O has focused on servicing the international maritime industry for more than 40 years. As one of the world's largest suppliers of pipe, valves, fittings and engineered solutions, W&O is more than a mere supplier. In addition to offering standard fitting packages, we also offer complete bilge/ballast systems and fuel monitoring systems. W&O's strategic branch network provides vessels with an extensive inventory and expert services, available in all European sea routes.



## Applications

- United States Navy
- Commercial Maritime
- Oil & Gas
- Aerospace
- Under Water Repair & Dive Market



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## Valve Lines

### O-SEAL™



- Bronze body - standard
- Pressure rating of 6000 PSI
- 1/8" up to 2" size
- Globe, Angle or Stop-Check
- Shutoff, Needle or Stop-Check hand valve type
- Replaceable seat and cartridge
- O-SEAL™ or Direct Weld/Braze end connections
- MIL-V-24109

### G-Series™



- Stainless Steel body - standard
- Pressure rating of 6000 PSI
- 1/8" up to 1" size
- Globe or Angle body type
- Shutoff or Needle hand valve type
- Panel mount - standard in hand valve
- Oxygen service - standard in Check valve

### FloMaster™



- O-SEAL™ Bronze body or G-Series™
- Stainless steel body - standard
- Pressure rating of 6000 PSI
- 1/8" up to 1" size
- Normally closed, normally open or double-acting air cylinder options
- Globe, Angle or Offset body type
- Shutoff or Needle hand valve type
- Various end connection types

### Mark VIII



- Ideal for instrumentation or process systems
- Stainless steel body - standard
- Pressure rating of 3000 - 6000 PSI
- 1/8" up to 5/8" tube size and connections
- Soft seated for bubble-tight performance
- Globe or Angle body type
- Panel mount - standard
- Various end connection types

### O-SEAL™ Naval Brass Oxygen Valve



- Oxygen compatible
- 1/8" up to 1" pipe size to meet your system requirements
- Rising stem design for more easily controlled operation and full flow capability
- Low operating torque throughout full pressure range
- A large 4-prong handle that is light for easy operation and comfortable grip
- Standard panel mount design
- Standard vacuum service design
- Canadian registered valves - CRN approved: IAN ASME B31.3, IAN ASME B16.34
- Reliable bubble-tight, leak free operation
- Pressure-bound materials of construction IAW ASME B31.3
- Easy rebuild and soft goods replacement
- Standard 380 Series cartridge design for easy implementation
- Pressure rating of 6000 PSI

## Fitting Lines

### Direct Weld Braze Fittings



- Low cost, hermetically-sealed permanent connections
- Highest quality matching for any welding or brazing application
- Wide variety of configurations and sizes
- Pipe and tube compatible reducing inserts and couplings
- Pressure rating of 6000 PSI
- Material options for specific systems

### O-SEAL™ Union Face Seal Pipe & Tube Fittings



- Leakproof reliability
- Flexible break-remake self-sealing connections
- Low torque assembly
- Pressure rating of 6000 PSI
- 1/8" up to 2-1/2" pipe size
- Can be used with standard O-SEAL™ and G-Series™ valves
- Various connection orientations, types and materials

### Mark VIII Union Face Seal Tube & Hose Fittings



- Best cost-effective option for all system needs
- Leakproof reliability
- Flexible break-remake self-sealing connections
- Low torque assembly
- Pressure rating up to 6000 PSI
- 1/8" up to 2" tube size
- Can be used with G-Series and Mark VIII valves
- Various connection orientations, types and materials

### Special Adapter Fittings



- Flexibility in design
- Various thread sizes - male straight thread - standard
- Wide range of connection sizes for pipe and tube
- Pressure rating up to 6000 PSI
- Leakproof reliability
- Material options for specific systems



W&O is a proud distributor of CPV Manufacturing, An Admiral Technology Company.



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