



## CPV Goes to Sea with the U.S. Navy

The minute a threat to our national security arises anywhere in the world, every system on every surface ship and submarine in the U.S. Navy must be up to speed immediately. The war against terrorism clearly demonstrates that need.

For this reason the Navy constantly seeks out components that will continue to function at 100% even under conditions of extreme stress. Since the early 1950's the Navy has been specifying CPV high pressure valves and fittings. Because these valves assure leakproof connections up to 6,000 psi, the Navy specifies them for a variety of gas & liquid applications.



*Flight deck personnel attach an F/A-18C "Hornet" to a catapult on board the nuclear powered aircraft carrier USS Roosevelt.*



*All photos courtesy of the U.S. Navy*

### CPV. Helping protect the Navy's most valuable assets

CPV O-Seal valves and fittings help assure safe operation of the heavy-duty winches and are also found on the anchor windlass of U.S. Navy ships. In addition, there are a number of CPV instrument/gauge valves and fittings in the freon based refrigeration and air-conditioning systems. On carriers there are CPV valves & fittings in the elevator systems that lift

aircraft to the flight deck, in the arresting gear which catch aircraft when they return and in the lubrication system on the catapults which launch the aircraft.

CPV relief valves are found in air and hydraulic systems throughout the Navy. Because of their reliability, they are set to relieve excess pressure in the high pressure air ram tensioner systems and a variety of other critical applications.

Every part ordered from CPV for naval installations is meticulously tested/inspected and certified before shipment. As a result, CPV O-Seal system components have been consistently trouble free.



*Two Attack Squadron 75 (VA-75) A-6E Intruder aircraft are secured on an elevator on the aircraft carrier.*

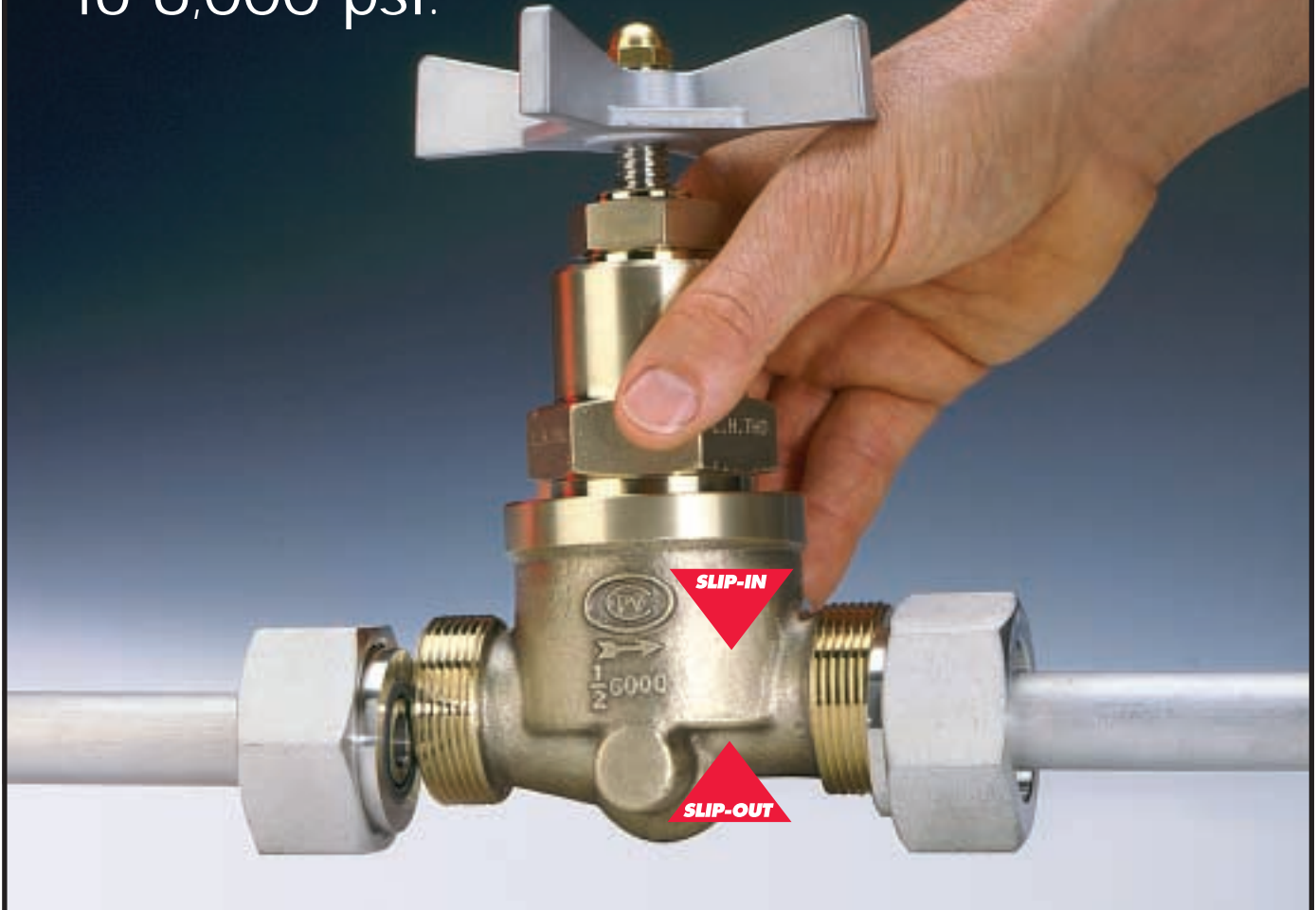


*With tail hook down, a Fighter Squadron 84 (VF-84) F-14A Tomcat aircraft approaches for a landing aboard the aircraft carrier USS Roosevelt.*

CPV has been a leading manufacturer of valves and fittings since 1915. The company's innovative designs are well suited to standard as well as custom applications. To get more information or technical literature on O-Seal valves or other CPV valves & fittings contact:

Charles J. Horter  
Sales Manager  
CPV Manufacturing, Inc.  
851 Preston Street,  
Philadelphia, PA 19104-1598  
Phone: (215) 386-6508  
Toll free: (888) 386-2211  
Fax: (215) 387-9043  
Website: [www.cpvvmfg.com](http://www.cpvvmfg.com)

# Slip-in Slip-out O-SEAL Valves Hold H<sub>2</sub>, He, and O<sub>2</sub> Leaktight To 6,000 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", 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.



Since 1915

## CPV Manufacturing, Inc.

851 Preston Street  
Philadelphia, PA 19104-1598  
(215) 386-6508  
Toll free (888) 386-2211  
Fax: (215) 387-9043  
Website: [www.cpv-mfg.com](http://www.cpv-mfg.com)



Send  
for your  
**FREE catalog!**