



### Product Description

John Crane CVU and CVH sets cover a wide range of fluids, including acids, caustics, and solvents at high temperatures and pressures. These automatic packings have superior sealing abilities, making them ideal for critical service applications.

They require little or no gland adjustment and generate very low friction, heat, and wear, thus extending valve stem life and reducing repair or replacement costs. Made from high-purity PTFE, CVU and CVH sets contain no lubricants or dispersions, making them well suited for noncontaminating services.

### Construction/Features

CVU and CVH sets are available in virgin, carbon, or glass-filled PTFE, and are molded or machined to customer requirements. Sets consist of a male and female end adapter for stuffing box conformity and middle rings that provide positive sealing for valve stems and housings under system pressure.

Optional metal-end adapters and spacers are available for extreme high pressures. Virgin PTFE sets meet FDA requirements.

### Performance Capabilities

- Temperature: -85°C to 232°C/-120°F to 450°F
  - Pressure: CVU up to 10 bar/150 psi  
CVH up to 68 bar/1000 psi\*
  - pH range: 0 to 14
- \*Metal-end adapters are recommended for pressures over 68 bar/1000 psi.

### Industries Served

- Chemical processing
- Commercial
- Food and beverage
- Petrochemical processing
- Pharmaceutical
- Semiconductor/clean room

**Applications**

CVU and CVH sets are applied in control valves, hydraulic cylinders, ball valves, and instrumentation valves where water, acids, caustics, solvents, oils, gases, and high-purity washes and rinses are used.

They are an excellent choice for reciprocating equipment, including pumps, plungers, rods, and rams.

**Standard Sizes**

Standard sizes range from 1/8" x 3/8" to 3" x 3-3/4". Additional sizes and metric sizes are available upon request.

Note: Other PTFE products, including custom designs, are readily available. For additional application or product information, contact John Crane.



**North America**  
United States of America  
Tel: 1-847-967-2400  
Fax: 1-847-967-3915

**Europe**  
United Kingdom  
Tel: 44-1753-224000  
Fax: 44-1753-224224

**Latin America**  
Brazil  
Tel: 55-11-3371-2500  
Fax: 55-11-3371-2599

**Middle East & Africa**  
United Arab Emirates  
Tel: 971-481-27800  
Fax: 971-488-62830

**Asia Pacific**  
Singapore  
Tel: 65-6518-1800  
Fax: 65-6518-1803

If the products featured will be used in a potentially dangerous and/or hazardous process, your John Crane representative should be consulted prior to their selection and use. In the interest of continuous development, John Crane Companies reserve the right to alter designs and specifications without prior notice. It is dangerous to smoke while handling products made from PTFE. Old and new PTFE products must not be incinerated. ISO 9001 and ISO14001 Certified, details available on request.