

TUNGUM

EQUIPMENT SOURCING

Complete instrumentation packages

The expertise to deliver a total solution

The right part at the right price

Savings on administration time and stock levels

ISO 9001 quality assurance



EQUIPMENT SOURCING

Sometimes, our customers ask us to provide a complete instrumentation installation package with their pipework system. At other times, we are simply asked to source equipment to complement an existing installation. But, whatever the nature of your requirement, our Instrumentation Sourcing Division is here to help. Valves and regulators, condensate chambers and compression fittings, enclosures and cabinets-whatever it is, we are experts at finding the right part at the right price with the right delivery. In the unlikely event that we can't source exactly the right part, we can call on our own in-house capability to manufacture components to your specification.

The links we have established with leading equipment suppliers will ensure you benefit from our many years of expertise and experience in the field of instrumentation.

Our ISO9001 quality assurance system allows our customers to place orders with total confidence.

In addition, this service offers customers significant savings on administration time, expense, inventory costs and stores space.

As part of our instrumentation sourcing service, we are agents for CPV-Valves and Fittings & Alco Valves.



A Weldcoa system equipped with CPV FloMaster Valves enabled one company to go from two shifts employing six people to one shift employing three people. Moreover, they now fill more in an eight hour shift than they used to fill in sixteen hours.

Front Cover illustrates just some of the items available: CPV Valves and fittings, pressure regulators, Stainless Steel pipe and tube, PVC Covered Tube, Pipe Clips, Gauges etc.

PRODUCT RANGE

CPV - High Pressure Gas Globe, Check Valves & Fittings-naval brass, Stainless Steel, Monel etc

Tube - Stainless Steel, Copper

PVC Covered Tube - Stainless Steel, Copper

Compression Fittings - Stainless Steel, Brass, Monel, Aluminium Bronze

Ball Valves - In most materials

Needle Valves - In most materials

Manifold Valves - In most materials

Air Headers - Stainless Steel, Carbon Steel

Screwed Fittings & Adaptors - In most materials

Condensate Chambers - Stainless Steel, Carbon steel

Enclosures & Cabinets - GRP (fibreglass)

High Pressure Regulators - In most materials

Cable Tray, Unistrut and Angle Iron
Complete Instrumentation Packages



CPV O SEALS VALVES AND FITTINGS

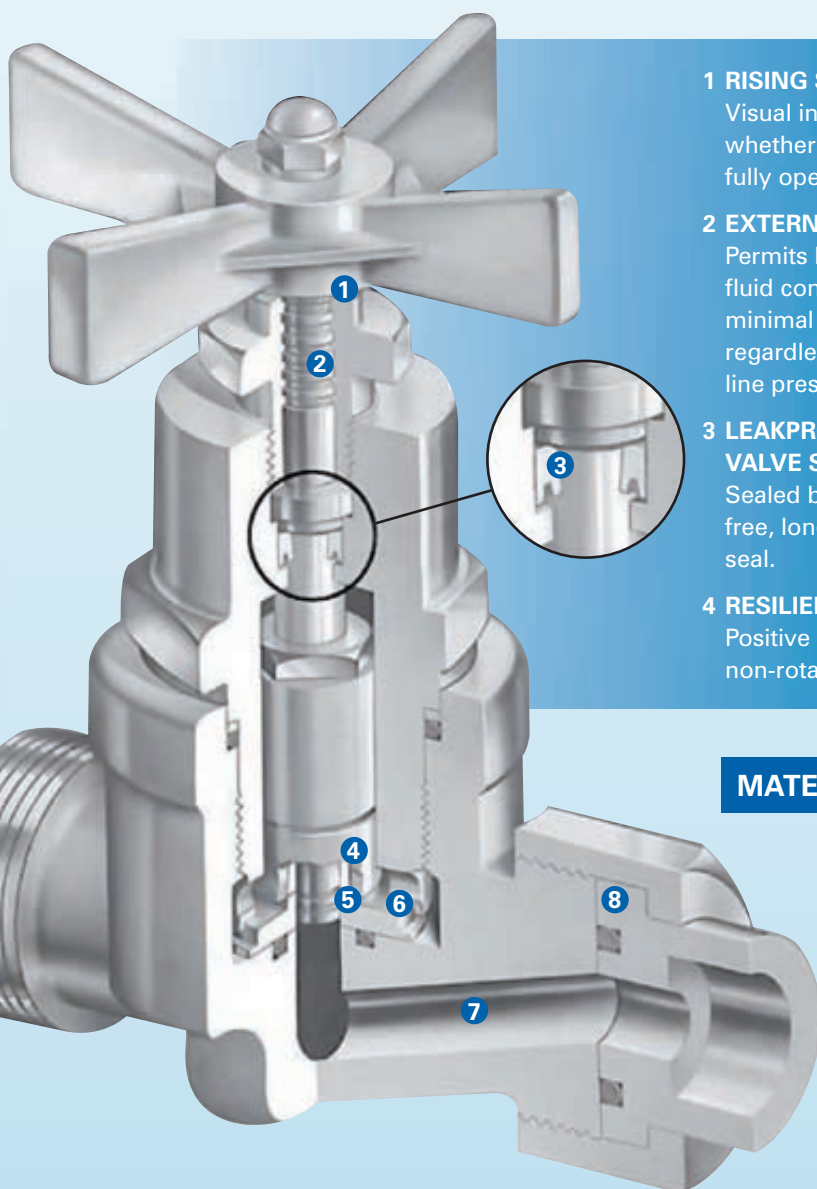
Tungum Ltd. Are the UK agent for CPV Manufacturing Inc. Philadelphia, USA. CPV's product range incorporates high-pressure globe and check valves, filters and fittings. The key attribute of CPV O-SEAL system valves and fittings is the ability to contain and control the high-pressure flow of liquids and gases.

CPV soft seated globe valves have been designed to completely overcome the potential leakage and small bore limitations associated with conventional metal to metal seated globe valves. They will hold such gases as helium, hydrogen and oxygen bubble tight and when fully open offer a flow area in excess of schedule 160 pipe.

CPV O-SEAL fittings give you the best of two fitting worlds; the leak proof reliability of a heat-sealed system and the flexibility of self-sealing, separable connections. Key to the reliability and flexibility of these fittings is the superior O seal design.

The basic O seal union comprises two flat faced fittings which are either brazed or welded to the pipe or tube and then joined by a union nut. Sealing is accomplished by an O ring recessed in a close tolerance groove in one of the two mating pieces. When tightened, the union nut compresses the O ring to provide an initial seal. As line pressure increases, the O ring is pressed against the outer wall of the groove effectively sealing even minute surface voids and assuring a leak tight union. O-SEAL fittings actually put line pressure to work rather than fighting it. As pressure increases so does the effectiveness of the seal.

The heart of this union is the O ring and this will continue to seal until the metal parts themselves fail at pressures greater than their 6,000psi rating. Even after repeated break-remake cycles the fittings will continue to offer leak tight performance. The ability to break and remake connections at will is an outstanding advantage of the O-SEAL system.



1 RISING STEM

Visual indication of whether the valve is fully open or closed.

2 EXTERNAL THREAD

Permits lubrication without fluid contamination-assures minimal operating torque regardless of valves size or line pressure.

3 LEAKPROOF VALVE STEM

Sealed by a maintenance-free, long-life polyurethane seal.

4 RESILIENT NYLON DISC

Positive seating non-rotating.

5 GROOVED, METAL HEAT SINK

Meters initial flow surge...absorbs heat of compression.

6 REMOVABLE, FLAT SEAT

Held by bonnet sealed by an O-ring.

7 FULL FLOW

In excess of Schedule 160 pipe.

8 SEPARABLE CONNECTIONS

Smooth-faced – O-ring-fitted – self-sealing.

MATERIAL SPECIFICATIONS

Body and bonnet - alloy bronze (high tensile)

Stem - 316 stainless steel

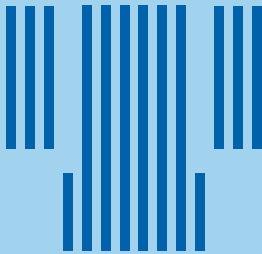
Seat - monel

Disc - nylon

Handle - aluminium

Other materials can be furnished to meet special requirements.





TUNGUM LTD.

Number One, Ashchurch Parkway,
Tewkesbury, Glos. GL20 8TU

Tel: 01684 271290
Fax: 01684 291714
E-mail: mail@tungum.co.uk
Web Site: www.tungum.co.uk



Tungum is the registered trademark of Tungum Limited

© 2006 Tungum Limited

OTHER PRODUCTS AND SERVICES AVAILABLE FROM TUNGUM

THE WORLD OF TUNGUM

This brochure gives an overview of the entire range of products and services available from Tungum.

TUNGUM ALLOY

Tungum Alloy (Aluminium-Nickel-Silicon Brass) combines an unusually high strength to weight ratio, with ductility, excellent corrosion resistance and first class fatigue properties.

- **Highly resistant to seawater and its atmosphere.**
- **Clean bore, which make it ideal for hydraulic and pneumatic applications.**
- **High strength-to-weight ratio.**
- **High resistance to fatigue and shock.**
- **Excellent ductility.**
- **Non-magnetic and non-sparking.**

PG SERIES

In the 'PG Series', the special features of Tungum Alloy are combined, in a simple design, with the traditional and proven concept of silver soldering (brazing) to create, as standard, a range of tube fittings offering the user:

- **High Strength**
- **Corrosion Resistance**
- **Flat Faced Nipples**
- **High Efficiency Elastomer Seals**
- **A Full Range of Thread Configurations**

THE COMPLETE PIPEWORK SERVICE

Tungum are the complete tubing and pipework system supplier. We manufacture components and bend tube to construct a vast range of products, supplying to a wide range of industry sectors. We can supply anything from simple straight tube and fittings through to kits of pipe assemblies.

- **Design advise and assistance.**
- **Prototype piping service.**
- **Pre-production samples.**
- **Small, medium and large batch manufacture.**
- **Quality assured manufacture for piece of mind.**
- **Boxed kits – the complete package.**



For more information on any of our products and services please contact our Sales department on 01684 271292 or visit our website www.tungum.co.uk