

### Test Lever - Screwed or Flanged Connections

Side Outlet discharge with test lever. These valves are commonly used for preventing a safe pressure being exceeded in pressurised systems. The lift is proportional to the system overpressure.

Approved to BS EN ISO 9001: 2000. Certificate No. 0910407.

#### Material List

|     |                   |                             |
|-----|-------------------|-----------------------------|
| 1   | Dome Top          | Cu Alloy BS EN 12164 CW617N |
| 2   | Body              | Cu Alloy BS EN 1982 CC491K  |
| 3   | Base (Metal Seat) | Cu Alloy BS EN 1982 CC491K  |
| 3T  | TFM Seat          | Dyneon™ TFM™ PTFE 1600      |
| 3V  | Viton Seat        | Viton 85 Brown              |
| 3S  | Silicone Seat     | Silicone 50 Blue            |
| 3FL | Flanged Inlet     | Cu Alloy BS EN 1982 CC491K  |
| 4   | Adjusting Screw   | Cu Alloy BS EN 12164 CW641N |
| 5   | Lock Nut          | Cu Alloy BS EN 12164 CW641N |
| 6   | Spring Plate      | Cu Alloy BS EN 12164 CW721R |
| 7   | Spindle           | Cu Alloy BS EN 12164 CW721R |
| 8   | Ball              | Chrome Steel AISI 52100     |
| 9   | Valve             | Cu Alloy BS EN 12165 CW602N |
| 10  | Label             | Metallised Polymer          |
| 11  | Spring 15 - 50mm  | St. Steel BS2056 302 S26    |
|     | Spring 65 & 80mm  | Carbon Steel BS5216 ND3     |
| 12  | Flanged Outlet    | Cu Alloy BS EN 1982 CC491K  |
| 13  | Lever             | Stainless Steel             |
| 14  | Lever Pin         | Stainless Steel             |

#### Dimensions

| Size | Inches | A  | B  | C   | D  | Kg   |
|------|--------|----|----|-----|----|------|
| DN15 | 1/2"   | 16 | 35 | 104 | 34 | 0.60 |
| DN20 | 3/4"   | 16 | 36 | 114 | 40 | 0.80 |
| DN25 | 1"     | 17 | 47 | 130 | 48 | 1.50 |
| DN32 | 1 1/4" | 23 | 51 | 155 | 51 | 2.00 |
| DN40 | 1 1/2" | 24 | 51 | 155 | 56 | 2.60 |
| DN50 | 2"     | 27 | 60 | 144 | 62 | 3.50 |
| DN65 | 2 1/2" | 28 | 87 | 167 | 78 | 6.90 |
| DN80 | 3"     | 28 | 94 | 181 | 83 | 9.00 |

Flange dimensions vary according to specification (available upon request).

#### Seat Types - Spring/Pressure Ranges

| Seat Housing          | Valve  | Pressure Range           | Temperature Range | Spring Ranges (bar & p.s.i.) |                          |                            |                            |
|-----------------------|--------|--------------------------|-------------------|------------------------------|--------------------------|----------------------------|----------------------------|
|                       |        |                          |                   | A (Low)                      | B (Medium)               | C (High)                   | D (Special*)               |
| Bronze                | Bronze | to 21.0 bar (300 p.s.i.) | -15° to +225°C    | 0.5 - 3.5<br>(7 - 50)        | 3.5 - 10.4<br>(50 - 150) | 10.4 - 20.7<br>(150 - 300) | N/A                        |
| Bronze TFM insert     | Bronze | to 21.0 bar (300 p.s.i.) | -15° to +225°C    | 0.5 - 2.0<br>(7 - 30)        | 2.0 - 8.3<br>(30 - 120)  | 8.3 - 17.9<br>(120 - 260)  | 17.9 - 20.7<br>(260 - 300) |
| Bronze VITON seal**   | Bronze | to 21.0 bar (300 p.s.i.) | -15° to +200°C    | 0.5 - 2.0<br>(7 - 30)        | 2.0 - 8.3<br>(30 - 120)  | 8.3 - 16.5<br>(120 - 240)  | 16.5 - 20.7<br>(240 - 300) |
| Bronze Silicon seal** | Bronze | to 21.0 bar (300 p.s.i.) | -15° to +180°C    | 0.5 - 2.0<br>(7 - 30)        | 2.0 - 8.3<br>(30 - 120)  | 8.3 - 16.5<br>(120 - 240)  | 16.5 - 20.7<br>(240 - 300) |

\*32mm and 50mm only – available for special orders, 65 & 80mm not available. \*\*65mm and 80mm not available.

Full Cat IV PED approval.

Only 4 springs are needed to cover the full pressure range. Clear operating and maintenance instructions are supplied with each despatch.

Screwed/Flanged or a combination of both are available as standard.

#### Pipe Connections

- Male Inlet x Female Outlet.
- Standard valves are threaded BS 21:1985 Rp Parallel.
- Alternative thread standards, i.e. taper or NPT are available upon request.
- Flanged connections also available. Most flange standards can be accommodated, e.g. ANSI, BS4504 - please specify requirements.

