

The Series 41/39 is a metal seated swing check valve, suitable for use with potable water, raw water and sewage, to a maximum temperature of +70°C.

### Features:

- Metal seated valve with gunmetal body seat and gunmetal faced disc.
- Lightweight design.
- Pre-fitted extended spindle.
- Highly adaptable lever and weight system.
- 5 By-pass bosses as standard.
- Cross sectional flow area greater than 90%.
- Easy replacement of bonnet, bonnet gasket and disc.
- Corrosion resistant construction.
- Size range DN50 - 300mm.

### Options:

- Lever and weight\*, mounted RHS as standard, can be mounted LHS on request.
- Lever and weight guard.#
- Limit/proximity switch actuation kit.
- Priming by-pass.
- Priming device.

\* NB. Should always be used when valve is orientated vertically.

# It is a requirement of the HSE Machinery Directive that guards are fitted to cover Levers & Weights when utilised.



The designs, materials and specifications shown are subject to change without notice due to our continuing programme of product development.

### SERVICE CONDITIONS

Maximum Working Pressure: 16 bar.  
 Temperature Range: -10°C to +70°C. Insulation essential for temperatures of 0°C and below.

### APPLICABLE STANDARDS

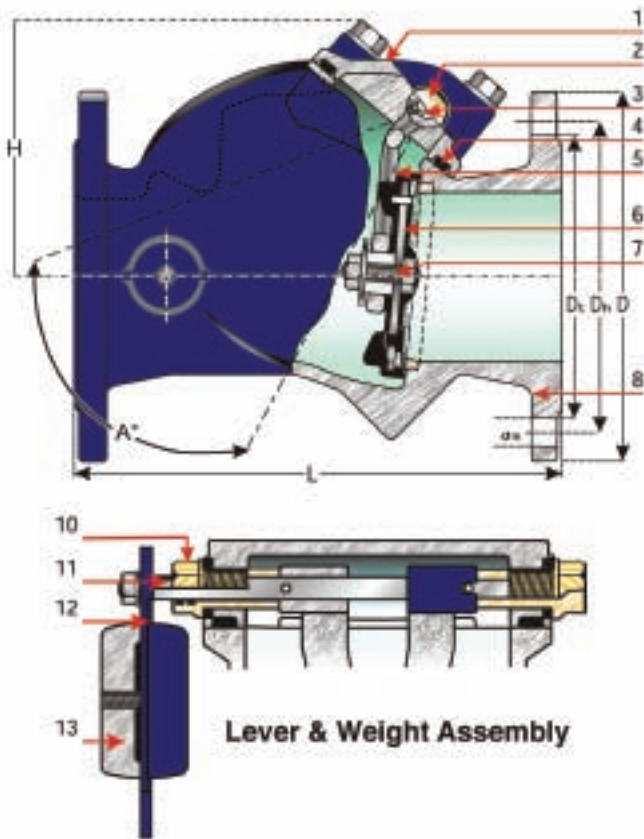
To BS 5153 : 1974 (1991). BS EN 1074:3. Metal seated. Face to face dimension to BS 5153 : 1974 (1991) short.(BS EN 12334-2001) WRAS approved. Flanges and drilling to BS EN 1092-2.

### TESTS

Hydrostatic test to BS 5153 : EN1074-3  
 Seat: 1.1 x PN Body: 1.5 x PN

### MATERIALS OF CONSTRUCTION

| No.   | DESCRIPTION      | MATERIAL   |
|---|------------------|--|
| 1   | Bonnet Assembly  | Ductile iron BS EN 1563 EN-GJS-500-7 complete with bolts and washers DIN 931-A2  |
| 2   | Bushing          | DZR brass to BS EN 12164, CW 602 N (CZ132)   |
| 3   | Spindle          | Stainless steel to BS EN 10088-1 No1.4021  |
| 4   | Body/Bonnet Seal | EPDM. ESW-70   |
| 5   | Hinge            | Up to DN 200 stainless steel AISI 316 (A4) DN 250/300 Ductile iron BS EN 1563 EN-GJS-500-7                                     |
| 6   | Disc Assembly    | Steel to DIN 17100 gr 40-2 : 1979 43B fully encapsulated with EPDM, ESW 70 faced with copper alloy to BS EN 1982 CC 491K (LG2) |
| 7   | Nut & Bolt       | Stainless steel A2   |
| 8   | Body             | Ductile iron BS EN 1563 EN-GJS-500-7.  |
| 9   | Body Seat        | Copper Alloy.  |
| <b>OPTIONAL LEVER &amp; WEIGHT ASSEMBLY</b> |                  |  |
| 10  | Bushing          | DZR brass to BS EN 12164,CW 602 N complete with 3 NBR O rings.   |
| 11  | Extended Spindle | Stainless steel to BSEN 10088-1 No1.4021   |
| 12  | Lever            | Ductile iron BS EN 1563 EN-GJS-7   |
| 13  | Weight           | Grey cast iron, BS EN 1561. EN-GJL-250   |
|   | Coating          | Electrostatically applied blue epoxy tested to WIS 4-52-01. Epoxy powder WRAS listed   |



### DIMENSIONS & WEIGHTS

| Ref Nos.        | DN  | L   | H<br>mm | Dt<br>mm | D<br>mm | Dh      | ds    |      | Holes |       | A°<br>no. | Weight<br>Kilos |
|-----------------|-----|-----|---------|----------|---------|---------|-------|------|-------|-------|-----------|-----------------|
|                 |     |     |         |          |         |         | mm    | mm   | mm    | mm    |           |                 |
|                 |     |     |         |          |         |         | PN10  | PN16 | PN10  | PN 16 | PN10      | PN 16           |
| 41-0503X0180000 | 50  | 203 | 110     | 102      | 165     | 125     | 19    |      | 4     |       | 60°       | 12              |
| 41-0653X0180000 | 65  | 216 | 120     | 122      | 185     | 145     | 19    |      | 4     |       | 63°       | 17              |
| 41-0803X0180000 | 80  | 241 | 140     | 138      | 200     | 160     | 19    |      | 8     |       | 66°       | 16              |
| 41-1003X0180000 | 100 | 292 | 150     | 158      | 220     | 180     | 19    |      | 8     |       | 68°       | 21              |
| 41-1253X0180000 | 125 | 330 | 180     | 188      | 254     | 210     | 19    |      | 8     |       | 68°       | 35              |
| 41-1503X0180000 | 150 | 356 | 195     | 212      | 285     | 240     | 23    |      | 8     |       | 70°       | 37              |
| 41-2003X0180000 | 200 | 495 | 230     | 268      | 340     | 295     | 23    |      | 8 12  |       | 73°       | 69              |
| 41-2503X0180000 | 250 | 622 | 270     | 320      | 406     | 350 355 | 23 28 |      | 12    |       | 76°       | 132             |
| 41-3003X0180000 | 300 | 698 | 300     | 370      | 482     | 400 410 | 23 28 |      | 12    |       | 80°       | 187             |

When Ordering: X = 9 for free end shaft or 6 for lever & weight right side or 7 for lever & weight left side.

