

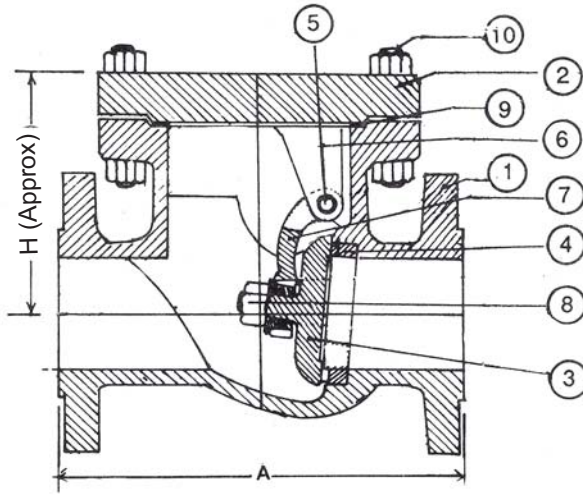
# AMCO INDUSTRIAL VALVES



Swing Check Valve Class - 150

DATE: 13 - 06 - 07

REF: DRG. NO SCV - 150



| No | Part Name   | Qty     | Material Specification  |
|----|-------------|---------|---|
| 1  | Body        | 1       | ATMA 216 Gr. WCB<br>ASTM A 351 Gr. CF 8 / CF 8M / CN 7M         |
| 2  | Cover Plate | 1       | ASTM A216 Gr. WCB<br>ASTM A351 Gr. CF 8 / CF 8M / CN 7M         |
| 3  | Disc        | 1       | C.S. With 13% Cr. Facing<br>S.S. 304 / S.S. 316                 |
| 4  | Seat Ring   | 1       | C.S. With 13% Cr. Facing<br>Integral Seat for Alloy Steel Valve |
| 5  | Arm PIN     | 1       | AISI 410, 304, 316, A 20  |
| 6  | Bracket     | 1       | ASTM A216 Gr. WCB<br>ASTM A351 Gr. CF 8 / CF 8M / CN 7M         |
| 7  | Lever Arm   | 1       | ASTM A216 Gr. WCB<br>ASTM A351 Gr. CF 8 / CF 8M / CN 7M         |
| 8  | Arm Nut     | 1       | C.S. / S.S. 304 / S.S. 316                                      |
| 9  | Gasket      | 1       | S.S. Spiral Wound / As Req.                                     |
| 10 | Stud Nut    | As Req. | ASTM A193 Gr. B7<br>ASTM A194 Gr. 2H                            |

'H' Nos 'K' Ø Holes On  
'M' P.C. D Drilled Off Centre  
Equispaced

Applicable Class 150 Steel Valves - ANSI B16.34 - 1977 Standard Class  
Face to Face ANSI B16.10, End. Flanges ANSI B16.5  
Manufacturing Standards - BS - 1868. Testing Standards API / 598

| Size    | A   | H   | Flange $\phi$ | Flange THK | Raised Face $\phi$ | Raised Face THK | PCD   | No of Holes | Hole $\phi$ |
|---------|-----|-----|---------------|------------|--------------------|-----------------|-------|-------------|-------------|
| 40      | 145 | 90  | 127           | 17.5       | 73                 | 1.6             | 98.4  | 4           | 15.9        |
| 50      | 203 | 115 | 152           | 19.0       | 92                 | 1.6             | 120.6 | 4           | 19.0        |
| 65      | 216 | 121 | 178           | 22.2       | 105                | 1.6             | 139.7 | 4           | 19.0        |
| 80      | 241 | 127 | 190           | 23.8       | 127                | 1.6             | 152.4 | 4           | 19.0        |
| 100     | 292 | 140 | 229           | 23.8       | 157                | 1.6             | 190.5 | 8           | 19.0        |
| 150     | 406 | 185 | 279           | 25.4       | 216                | 1.6             | 241.2 | 8           | 22.2        |
| 200     | 495 | 210 | 343           | 28.0       | 270                | 1.6             | 288.4 | 8           | 22.2        |
| 250     | 622 | 248 | 406           | 30.0       | 324                | 1.6             | 362.0 | 12          | 25.4        |
| 300     | 699 | 300 | 483           | 32.0       | 381                | 1.6             | 432.0 | 12          | 25.4        |
| Wgt. Kg |     |     |               |            |                    |                 |       |             |             |
| Qty.    |     |     |               |            |                    |                 |       |             |             |
| Tag No. |     |     |               |            |                    |                 |       |             |             |

|                     |                          |
|---------------------|--------------------------|
| Code                | WCB                      |
| Material            | ASTM A 216               |
| Specification       | WCB                      |
| Test Pressure       |                          |
| Shell (Hydrostatic) | 30 Kg / cm <sup>2</sup>  |
| Seat (Hydrostatic)  | 21 Kg / cm <sup>2</sup>  |
| Seat (Air)          | 5.5 Kg / cm <sup>2</sup> |

(All Dimensions in mm)

Customer \_\_\_\_\_

Order No: \_\_\_\_\_

Job / Project \_\_\_\_\_

Manufactured By : **AMCO INDUSTRIAL VALVES**, ROYAPURAM, CHENNAI - 600 013, INDIA.

Due to continuous development programme, the design and data given in this leaflet are subject to change without prior notice.

REV



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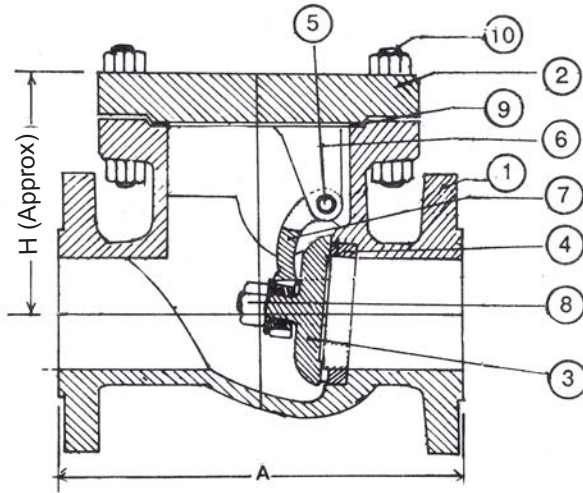
# AMCO INDUSTRIAL VALVES



Swing Check Valve Class - 300

DATE: 13 - 06 - 07

REF: DRG. NO SCV - 300



| No | Part Name   | Qty     | Material Specification  |
|----|-------------|---------|---|
| 1  | Body        | 1       | ATM A 216 Gr. WCB<br>ASTM A 351 Gr. CF 8 / CF 8M / CN 7M        |
| 2  | Cover Plate | 1       | ASTM A216 Gr. WCB<br>ASTM A351 Gr. CF 8 / CF 8M / CN 7M         |
| 3  | Disc        | 1       | C.S. With 13% Cr. Facing<br>S.S. 304 / S.S. 316                 |
| 4  | Seat Ring   | 1       | C.S. With 13% Cr. Facing<br>Integral Seat for Alloy Steel Valve |
| 5  | Arm PIN     | 1       | AISI 410, 304, 316, A 20  |
| 6  | Bracket     | 1       | ASTM A216 Gr. WCB<br>ASTM A351 Gr. CF 8 / CF 8M / CN 7M         |
| 7  | Lever Arm   | 1       | ASTM A216 Gr. WCB<br>ASTM A351 Gr. CF 8 / CF 8M / CN 7M         |
| 8  | Arm Nut     | 1       | C.S. / S.S. 304 / S.S. 316                                      |
| 9  | Gasket      | 1       | S.S. Spiral Wound / As Req.                                     |
| 10 | Stud Nut    | As Req. | ASTM A193 Gr. B7<br>ASTM A194 Gr. 2H                            |

'H' Nos 'K' Ø Holes On  
'M' P. C. D Drilled Off Centre  
Equispaced

Applicable Class 300 Steel Valves - ANSI B16.34 -1977 Standard Class  
Face to Face ANSI B16.10, End. Flanges ANSI B16.5  
Manufacturing Standards - BS - 1868. Testing Standards API / 598

| Size    | A   | H   | Flange ø | Flange THK | Raised Face ø | Raised Face THK | PCD   | No of Holes | Hole ø |
|---------|-----|-----|----------|------------|---------------|-----------------|-------|-------------|--------|
| 40      | 229 | 95  | 156      | 20.6       | 73            | 1.6             | 114.3 | 4           | 22.2   |
| 50      | 267 | 110 | 165      | 22.2       | 92            | 1.6             | 127.0 | 8           | 19.0   |
| 65      | 292 | 130 | 190      | 25.4       | 105           | 1.6             | 149.2 | 8           | 22.2   |
| 80      | 318 | 140 | 210      | 28.6       | 127           | 1.6             | 168.3 | 8           | 22.2   |
| 100     | 356 | 160 | 254      | 31.8       | 157           | 1.6             | 200.0 | 8           | 22.2   |
| 150     | 445 | 210 | 318      | 36.5       | 216           | 1.6             | 269.9 | 12          | 22.2   |
| 200     | 533 | 230 | 381      | 41.3       | 270           | 1.6             | 330.2 | 12          | 22.2   |
| 250     | 622 | 260 | 445      | 48.0       | 324           | 1.6             | 387.4 | 16          | 32.0   |
| 300     | 711 | 318 | 521      | 51.0       | 381           | 1.6             | 451.0 | 16          | 28.5   |
| Wgt. Kg |     |     |          |            |               |                 |       |             |        |
| Qty.    |     |     |          |            |               |                 |       |             |        |
| Tag No. |     |     |          |            |               |                 |       |             |        |

|                     |                          |
|---------------------|--------------------------|
| Code                | WCB                      |
| Material            | ASTM A 216               |
| Specification       | WCB                      |
| Test Pressure       |                          |
| Shell (Hydrostatic) | 77 Kg / cm <sup>2</sup>  |
| Seat (Hydrostatic)  | 53 Kg / cm <sup>2</sup>  |
| Seat (Air)          | 5.5 Kg / cm <sup>2</sup> |

(All Dimensions in mm)

Customer \_\_\_\_\_

Order No: \_\_\_\_\_

Job / Project \_\_\_\_\_

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