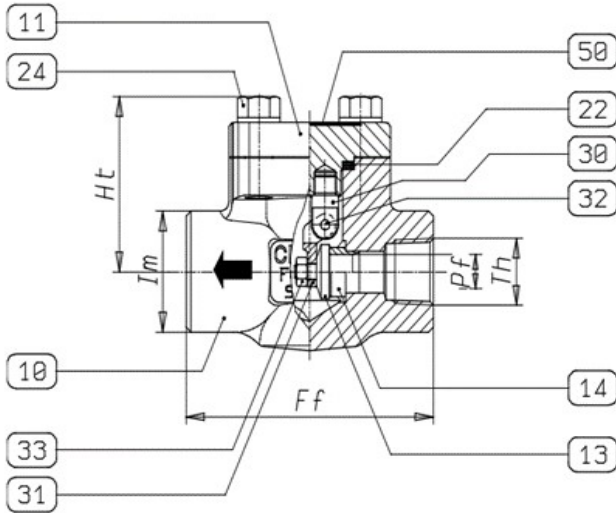


# FORGED SWING VALVE

## Class 800 LBS



### Basic design features

|                         |  |
|-------------------------|--|
| <b>Design</b>           | ISO 15761-API 602  |
| <b>Face to face</b>     | ASME B16.10  |
| <b>ENDS DIMENAIIONS</b> | SW according to ANSI B16.11/ NPT-F according to ASME B1.20.1 |
| <b>Testing</b>          | API 598  |
| <b>Bore</b>             | REDUCED-FULL   |
| <b>Bonnet</b>           | BOLTED   |
| <b>Marking</b>          | CE - PED   |
| <b>Certificates</b>     | EN 10204 - 3.1 / 3.2   |
| <b>Rating</b>           | 800 LBS  |

### Test Pressure to API 598

|                      |         |
|----------------------|---------|
| <b>Class</b>         | 800 LBS |
| <b>Shell (Water)</b> | 211 bar |
| <b>Seat (Water)</b>  | 155 bar |
| <b>Seat (Air)</b>    | 6.0 bar |

### BILL OF MATERIALS STANDARD ACCORDING TO ASTM


|    | PART NAME       | A105           | A350 LF2            | A182 F11             | A182 F316      |
|----|-----------------|----------------|---------------------|----------------------|----------------|
| 10 | BODY            | ASTM A 105N    | ASTM A 350 LF2      | ASTM A 182 F11       | ASTM A182 F316 |
| 11 | COVER           | ASTM A105N     | ASTM A 350 LF2      | ASTM A 182 F11       | ASTM A182 F316 |
| 13 | SWING           | ASTM A182 F6a  | ASTM A 182 F316+STL | ASTM A 182 F6a + STL | ASTM A182 F316 |
| 14 | SEAT            | ASTM A 182 F6a | ASTM A 182 F316+STL | ASTM A 182 F6a + STL | ASTM A182 F316 |
| 22 | GASKET          | 316+ GRAPHITE  | 316 + GRAPHITE      | 316+GRAPHITE         | 316+GRAPHITE   |
| 24 | BODY SCREW      | ASTM A 193 B7  | ASTM A 193 B8       | ASTM A 193 B16       | ASTM A193 B8   |
| 30 | SWING HINGE PIN | ASTM A 182 F6a | ASTM A 182 F316     | ASTM A 182 F6a       | ASTM A182 F316 |
| 31 | SWING HINGE     | ASTM A 182 F6a | ASTM A 182 F316     | ASTM A 182 F6a       | ASTM A182 F316 |
| 32 | SWING PIN       | SS 316         | SS 316              | SS 316               | SS 316         |
| 33 | SWING NUT       | SS 316         | SS 316              | SS 316               | SS 316         |
| 50 | NAMPLATE        | ALLUMINIUM     | ALLUMINIUM          | ALLUMINIUM           | ALLUMINIUM     |

\*Body Material available in: A182 F5 - A182 F22 - A182 F91 - A182 F304 - A182 F347- A182 F321 - A182 F44 - A182 F51 - A182 F53


On request TRIM: with Stellite , Monel, Hastelloy, Inconel, Alloy, other material

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|  |         | <b>FORGED SWING VALVE</b><br><b>Class 800 LBS</b><br><b>( REDUCED BORE)</b> |         |         |
|---|---------|---|---------|---------|
| SIZE INCH   | Ff (MM) | Im (MM)   | Ht (MM) | Pf (MM) |
| 1/4"  | /       | /   | /       | /       |
| 3/8"  | /       | /   | /       | /       |
| 1/2"  | 80      | 33  | 50      | 10      |
| 3/4"  | 90      | 39  | 57      | 14      |
| 1"  | 110     | 49  | 71      | 18      |
| 1-1/4"  | 127     | 64  | 88      | 24      |
| 1-1/2"  | 145     | 64  | 105     | 29      |
| 2"  | 170     | 78  | 131     | 36,5    |

|  |        | <b>FORGED SWING VALVE</b><br><b>Class 800 LBS</b><br><b>( FULL BORE)</b> |        |        |
|--|--------|--|--------|--------|
| SIZE INCH  | A (MM) | B (MM)   | C (MM) | D (MM) |
| 1/4"   | /      | /  | /      | /      |
| 3/8"   | /      | /  | /      | /      |
| 1/2"   | 90     | 39   | 57     | 14     |
| 3/4"   | 110    | 49   | 71     | 18     |
| 1"   | 127    | 64   | 88     | 24     |
| 1-1/4"   | 145    | 64   | 102    | 30     |
| 1-1/2"   | 170    | 78   | 131    | 36,5   |
| 2"   | 210    | 83   | 142    | 48     |

O.P.M. ITALIA Srl Via Murri, 40 20013 Magenta - MI Italy Phone +39 02 97003091

[www.opmitalia.com](http://www.opmitalia.com) / email : [info@opmitalia.com](mailto:info@opmitalia.com)