TYPE 1 LOW PRESSURE SIGHT WINDOW WIPERS |

The Type I window wiper [TY1WW] features a direct, thru-the-glass mechanism that reliably wipes away residue on the inside surface of the lens. Depending on the size of the lens Type 1 Window Wipers are suitable for pressures from 29PSI [2 Bar] to 87PSI [6 Bar]. Temperature ratings range from: 350°F [177°C] with a Silicone blade to 400°F [204°C] with PTFE blade. Type I window wipers are available for all PAPAILIAS Circular sight glasses with a nominal ID of 3" and larger and may be used in conjunction with various illuminators and Window Washers. All interior wetted metallic parts of the Type I wiper are stainless steel.

DESIGN & APPLICATION:

a. Typical Applications: Chemical, pharmaceutical, biogas, Petrochemical and food processing user find the Type 1 Window Wiper is useful to maintain a clear view of the interior of pressure vessels, bioreactors, laboratory mixers, filters as well as the interiors of various tanks, agitators, separators, pipelines and other, usually closed, vessels.


b. Combinations: May be combined with various lighting fixtures including Series PL, MSL, SLEX, REX and FiBERLUX and all PAPAILIAS, Inc. washing devices.

STANDARD MATERIALS OF CONSTRUCTION:

<table>
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<tr>
<th>#</th>
<th>Description</th>
<th>Std. Construction</th>
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<td>01</td>
<td>Handle/Arm</td>
<td>SST/Phenolic</td>
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<tr>
<td>02</td>
<td>Clip</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>03</td>
<td>Groove Pin</td>
<td>Brass</td>
</tr>
<tr>
<td>04</td>
<td>Threaded Spacer</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>05</td>
<td>Bushing</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>06</td>
<td>Tension Spring</td>
<td>Stainless Steel</td>
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<tr>
<td>07</td>
<td>Spring washer</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>08</td>
<td>Gasket</td>
<td>Fiber</td>
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<tr>
<td>09</td>
<td>Lens</td>
<td>Tempered Soda Lime Glass</td>
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<tr>
<td></td>
<td></td>
<td>Tempered Borosilicate Glass</td>
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<tr>
<td></td>
<td></td>
<td>Polycarbonate [Non-Glass]</td>
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<tr>
<td>10</td>
<td>O-Ring</td>
<td>Fluoroelastomer</td>
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<tr>
<td>11</td>
<td>Flanged Bushing</td>
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<td>12</td>
<td>Blade Holder/Shaft</td>
<td>Stainless Steel</td>
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<tr>
<td>13</td>
<td>O-Rings</td>
<td>Fluoroelastomer</td>
</tr>
<tr>
<td>14</td>
<td>Wiper Blade</td>
<td>PTFE</td>
</tr>
</tbody>
</table>
### DATA SHEET | SERIES TYPE 1 WINDOW WIPER [LOW PRESSURE]

**Model No.** | **A** | **B** | **C** | **D** | **E** | **Pressure Rating** | Fits Sight Glass Model #s
---|---|---|---|---|---|---|---
TY1WW-NW50 | 3-15/16" | 3/4" | 3-5/8" | 4" | 1" | 87 PSI | NW50
TY1WW-NW80 | 4-15/16" | 3/4" | 3-5/8" | 4" | 1-13/32" | 65 PSI | NW80
TY1WW-NW100 | 5-7/8" | 3/4" | 3-5/8" | 4" | 1-7/8" | 44 PSI | NW100
TY1WW-NW125 | 6-7/8" | 3/4" | 3-5/8" | 4" | 2-3/8" | 44 PSI | NW125
TY1WW-NW150 | 7-7/8" | 3/4" | 3-5/8" | 4" | 2-7/8" | 30 PSI | NW150
TY1WW-NW200 | 9-13/16" | 3/4" | 3-5/8" | 4" | 3-7/8" | 30 PSI | NW200
TY1WW-NW-3" | 4-15/16" | 3/4" | 3-5/8" | 4" | 1-13/32" | 87 PSI | 3"NW-BW, NW-RF, NW-FT
TY1WW-NW-4" | 5-7/8" | 3/4" | 3-5/8" | 4" | 1-7/8" | 65 PSI | 4"NW-BW, NW-RF, NW-FT
TY1WW-NW-5" | 6-7/8" | 3/4" | 3-5/8" | 4" | 2-3/8" | 44 PSI | 5"NW-BW, NW-RF, NW-FT
TY1WW-NW-6" | 7-7/8" | 3/4" | 3-5/8" | 4" | 2-7/8" | 44 PSI | 6"NW-BW, NW-RF, NW-FT
TY1WW-NW-8" | 9-13/16" | 3/4" | 3-5/8" | 4" | 3-7/8" | 30 PSI | 8"NW-BW, NW-RF, NW-FT
TY1WW-3SVTC | 3" | 1/2" | 3-5/8" | 4" | 1-15/16" | 87 PSI | 3"SVTC
TY1WW-4SVTC | 4" | 3/4" | 3-5/8" | 4" | 1-5/8" | 87 PSI | 4"SVTC
TY1WW-6SVTC | 5-7/8" | 3/4" | 3-5/8" | 4" | 2-1/8" | 44 PSI | 6"SVTC
TY1WW-8SVTC | 7-7/8" | 3/4" | 3-5/8" | 4" | 3-3/8" | 30 PSI | 8"SVTC

### INSTALLATION AND ASSEMBLY:

When supplied from the factory PAPAILIAS, Inc. Type 1 Window Wipers are supplied either with the glass lens or as a replacement for the wiper mechanism only. Users must obtain, read and implement all installation manuals prior to installation, assembly or maintenance efforts.

**NOTE:**

The sight glass lens is not automatically included when ordering. Please specify if a lens is required with your order.

### ORDERING INFORMATION:

Please order by using the model number above. In addition please also specify the following:

a. **Lens Material** [If needed]
   - Tempered Soda Lime Glass [300°F Max]
   - Tempered Borosilicate Glass [400°F Max]
   - Polycarbonate, Non-Glass [200°F]

b. **Operating Conditions**:
   - System Design Pressure
   - System Design Temperature
   - Polycarbonate, Non-Glass [200°F]

c. **For sizes or sight glass models not listed above**:
   - Please Specify (a) and (b) above.

d. **Sight glass lens outside and unsupported diameters**.

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