

OPBW.R21628 - Leakage-rated Door Assemblies

Leakage-rated Door Assemblies

Stanley Access Technologies
 65 Scott Swamp Rd
 Farmington, CT 06032-2803 United States

R21628

Leakage-rated assemblies, Models ICU, 7000 TL, 7000, 7200, 7500, 7500TL and 7500TL-FBO manually sliding door and frame assemblies. Maximum overall size of the door and frame assembly not to exceed 168 in. wide by 120 in high.

The door and frame assembly consists of the frame, gaskets, glazing systems, latches, pivots and door panels.

| Test Pressure (In. of WC) | Sill Conditions | Air Temperature | Leakage (cfm/ft ²) |
|------------------------------|--------------------|--------------------|-----------------------------------|
| 0.05 | A | Ambient | <3 |
| 0.10 | A | Ambient | <3 |
| 0.20 | A | Ambient | <3 |
| 0.30 | A | Ambient | <3 |
| 0.05 | A | Elevated | <3 |
| 0.10 | A | Elevated | <3 |
| 0.20 | A | Elevated | <3 |
| 0.30 | A | Elevated | <3 |

| Test Pressure (In. of WC) | Sill Conditions | Air Temperature | Leakage (cfm/ft ²) |
|------------------------------|--------------------|--------------------|-----------------------------------|
| 0.05 | B | Ambient | <3 |
| 0.10 | B | Ambient | <3 |
| 0.20 | B | Ambient | <3 |
| 0.30 | B | Ambient | <3 |
| 0.05 | B | Elevated | <3 |
| 0.10 | B | Elevated | <3 |
| 0.20 | B | Elevated | <3 |
| 0.30 | B | Elevated | <3 |

A. Assembly tested with bottom of door and frame assembly artificially sealed as allowed by UL ANSI 1784 and NFPA ANSI 105.

B. Assembly tested without bottom of door and frame assembly artificially sealed as allowed by UL ANSI 1784 and NFPA ANSI 105.

See the manufacturer's installation instructions for seal installation details.

Door Model: **Leakage-rated assembly**, ICU 7400 Series Single Swing

Door Size, in.: Maximum overall size of the door not to exceed 48 in. wide by 96 in high

Frame Model: Extruded Aluminum (to be provided by Stanley)

Perimeter Seals: Norseal V740 (with an additional compression bulb gasket on the frame, below the hinge), Tee-shaped gasket along the meeting edge (to be provided by Stanley)

Hardware: Continuous Geared Hinges and Top Latch Lockset (to be provided by Stanley)

Accessories: Glazing Systems Components, other than glass (to be provided by Stanley)

Ratings:

| Pressure (in. of WC) | Air Temp, °F | Leakage (cfm/sq ft) | Closing Force, lb | Artificial Bottom Seal |
|---------------------------------|-------------------------|--------------------------------|------------------------------|-----------------------------------|
| 0.05 | Ambient | 2.1 | 4 | No |
| 0.10 | Ambient | 2.6 | 4 | No |
| 0.20 | Ambient | 4.46 | 4 | No |
| 0.30 | Ambient | 5.63 | 4 | No |
| 0.05 | 400 | 0.55 | 4 | No |
| 0.10 | 400 | 0.89 | 4 | No |
| 0.20 | 400 | 1.21 | 4 | No |
| 0.30 | 400 | 1.79 | 4 | No |

Door Model: Leakage-rated assembly, ICU 7400 Series Single Swing

Door Size, in.: Maximum overall size of the door not to exceed 48 in. wide by 96 in high

Frame Model: Extruded Aluminum (to be provided by Stanley)

Perimeter Seals: Norseal V740 (with an additional compression bulb gasket on the frame, below the hinge), Tee-shaped gasket along the meeting edge (to be provided by Stanley)

Bottom Seals: Double Layer Brush Seal

Hardware: Continuous Geared Hinges and Top Latch Lockset (to be provided by Stanley)

Accessories: Glazing Systems Components, other than glass (to be provided by Stanley)

Ratings:

| Pressure (in. of WC) | Air Temp, °F | Leakage (cfm/sq ft) | Closing Force, lb | Artificial Bottom Seal |
|---------------------------------|-------------------------|--------------------------------|------------------------------|-----------------------------------|
| 0.05 | Ambient | 0.57 | 4 | No |
| 0.10 | Ambient | 0.80 | 4 | No |
| 0.20 | Ambient | 1.27 | 4 | No |
| 0.30 | Ambient | 2.29 | 4 | No |
| 0.05 | 400 | 0.00 | 4 | No |
| 0.10 | 400 | 0.21 | 4 | No |

| | | | | |
|------|-----|------|---|----|
| 0.20 | 400 | 0.31 | 4 | No |
| 0.30 | 400 | 0.42 | 4 | No |

Door Model: **Leakage-rated assembly**, ICU 7400 Series Standard and Uneven Swinging Pair

Door Size, in.: Maximum overall size of the door not to exceed 96 in. wide by 96 in high

Frame Model: Extruded Aluminum (to be provided by Stanley)

Perimeter Seals: Norseal V740 (with an additional compression bulb gasket on the frame, below the hinge), Tee-shaped gasket along the meeting edge (to be provided by Stanley)

Hardware: Continuous Geared Hinges, Top Latch Lockset and Manual Flush Bolts (to be provided by Stanley)

Accessories: Glazing Systems Components, other than glass (to be provided by Stanley)

Ratings:

| Pressure (in. of WC) | Air Temp, °F | Leakage (cfm/sq ft) | Closing Force, lb | Artificial Bottom Seal |
|-------------------------|-----------------|------------------------|----------------------|---------------------------|
| 0.05 | Ambient | 1.2 | 4 | No |
| 0.10 | Ambient | 1.6 | 4 | No |
| 0.20 | Ambient | 2.65 | 4 | No |
| 0.30 | Ambient | 3.56 | 4 | No |
| 0.05 | 400 | 0.24 | 4 | No |
| 0.10 | 400 | 0.76 | 4 | No |
| 0.20 | 400 | 1.01 | 4 | No |
| 0.30 | 400 | 1.33 | 4 | No |

Door Model: Leakage-rated assembly, ICU 7400 Series Standard and Uneven Swinging Pair

Door Size, in.: Maximum overall size of the door not to exceed 96 in. wide by 96 in high

Frame Model: Extruded Aluminum (to be provided by Stanley)

Perimeter Seals: Norseal V740 (with an additional compression bulb gasket on the frame, below the hinge), Tee-shaped gasket along the meeting edge (to be provided by Stanley)

Bottom Seals: Double Layer Brush Seal

Hardware: Continuous Geared Hinges, Top Latch Lockset and Manual Flush Bolts (to be provided by Stanley)

Accessories: Glazing Systems Components, other than glass (to be provided by Stanley)

Ratings:

| Pressure (in. of WC) | Air Temp, °F | Leakage (cfm/sq ft) | Closing Force, lb | Artificial Bottom Seal |
|-------------------------|-----------------|------------------------|----------------------|---------------------------|
| 0.05 | Ambient | 0.40 | 4 | No |
| 0.10 | Ambient | 0.76 | 4 | No |
| 0.20 | Ambient | 1.21 | 4 | No |
| 0.30 | Ambient | 2.02 | 4 | No |
| 0.05 | 400 | 0.05 | 4 | No |

| | | | | |
|------|-----|------|---|----|
| 0.10 | 400 | 0.30 | 4 | No |
| 0.20 | 400 | 0.39 | 4 | No |
| 0.30 | 400 | 0.50 | 4 | No |

Door Model: **Leakage-rated assembly**, 7200TL-FBO, 7300TL-FBO, 8300 and 8300A Series Single Slide

Door Size, in.: Maximum overall size of the door and frame assembly not to exceed 128 in. wide by 120 in high

Frame Model: Extruded Aluminum (to be provided by Stanley)

Perimeter Seals: Lead Stile of Sliding Panel Seal, Pivot Stile of Stationary Panel Seal, Overlapping Door Seal (with an additional compression bulb gasket on the frame, above pivot point), Hanger Seals, Fixed Top Rail Seals (to be provided by Stanley)

Bottom Seals (7200TL-FBO): Double Layer Brush Seal on Sliding Door and Vinyl Sweep on Stationary Panel

Bottom Seals (7300TL-FBO, 8300 & 8300A): Vinyl Sweep

Hardware: Top and Bottom Pivots, Positive Latch and Manual Flush Bolts (to be provided by Stanley)

Accessories: Glazing Systems Components, other than glass (to be provided by Stanley)

Ratings:

| Pressure (in. of WC) | Air Temp, °F | Leakage (cfm/sq ft) | Closing Force, lb | Artificial Bottom Seal |
|-------------------------|-----------------|------------------------|----------------------|---------------------------|
| 0.05 | Ambient | 1.5 | 3.8 | No |
| 0.10 | Ambient | 2.1 | 3.8 | No |
| 0.20 | Ambient | 3.20 | 3.8 | No |
| 0.30 | Ambient | 4.22 | 3.8 | No |
| 0.05 | 400 | 0.28 | 3.8 | No |
| 0.10 | 400 | 0.77 | 3.8 | No |
| 0.20 | 400 | 1.21 | 3.8 | No |
| 0.30 | 400 | 1.70 | 3.8 | No |

| Pressure (in. of WC) | Air Temp, °F | Leakage (cfm/sq ft) | Closing Force, lb | Artificial Bottom Seal |
|-------------------------|-----------------|------------------------|----------------------|---------------------------|
| 0.05 | Ambient | 0.532 | 3.8 | Yes |
| 0.10 | Ambient | 0.777 | 3.8 | Yes |
| 0.20 | Ambient | 1.4 | 3.8 | Yes |
| 0.30 | Ambient | 1.7 | 3.8 | Yes |
| 0.05 | 400 | 0.0709 | 3.8 | Yes |
| 0.10 | 400 | 0.340 | 3.8 | Yes |
| 0.20 | 400 | 0.51 | 3.8 | Yes |
| 0.30 | 400 | 0.80 | 3.8 | Yes |

Door Model: **Leakage-rated assembly**, 2000 Model Bi-Parting, 4-Panel, automatic operation

Door Size, in.: Maximum overall size of the door and frame assembly not to exceed 156 in. wide by 92 in high

Frame Model: Extruded Aluminum (to be provided by Stanley)

Perimeter Seals: Lead Stile Seal on meeting edges of Bi-Parting Sliding Panels, Pivot Stile Seal on Frame and Bi-Parting Doors, Overlapping Door Seal (with an additional compression bulb gasket on the frame, above pivot point), Hanger Seals, Fixed Top Rail Seals (to be provided by Stanley)

Bottom Seals: Double Layer Brush Seal on Bi-Parting Doors

Hardware: Top and Bottom Pivots, Positive Latch and Manual Flush Bolts (to be provided by Stanley), Electric Solenoid Lock

Accessories: Glazing Systems Components, other than glass (to be provided by Stanley)

Ratings:

| Pressure (in. of WC) | Air Temp, °F | Leakage (cfm/sq ft) | Closing Force, lb | Artificial Bottom Seal |
|-------------------------|-----------------|------------------------|----------------------|---------------------------|
| 0.05 | Ambient | 1.67 | 10 | No |
| 0.10 | Ambient | 3.63 | 10 | No |
| 0.20 | Ambient | 6.48 | 10 | No |
| 0.30 | Ambient | 9.05 | 10 | No |
| 0.05 | 400 | 2.06 | 10 | No |
| 0.10 | 400 | 4.13 | 10 | No |
| 0.20 | 400 | 7.91 | 10 | No |
| 0.30 | 400 | 11.30 | 10 | No |

| Pressure (in. of WC) | Air Temp, °F | Leakage (cfm/sq ft) | Closing Force, lb | Artificial Bottom Seal |
|-------------------------|-----------------|------------------------|----------------------|---------------------------|
| 0.05 | Ambient | 1.23 | 10 | Yes |
| 0.10 | Ambient | 2.15 | 10 | Yes |
| 0.20 | Ambient | 4.10 | 10 | Yes |
| 0.30 | Ambient | 7.52 | 10 | Yes |
| 0.05 | 400 | 0.34 | 10 | Yes |
| 0.10 | 400 | 0.69 | 10 | Yes |
| 0.20 | 400 | 1.37 | 10 | Yes |
| 0.30 | 400 | 2.09 | 10 | Yes |

Door Model: **Leakage-rated assembly**, 8300BP, Bi-Parting, 4-Panel Sliding Door

Door Size, in.: Maximum overall size of the door and frame assembly not to exceed 144 in. wide by 88 in high

Frame Model: Extruded Aluminum (to be provided by Stanley)

Perimeter Seals: Lead Stile Seal on meeting edges of Bi-Parting Sliding Panels, Pivot Stile Seal on jamb edges of Bi-Parting panels, Overlapping Door Seals (with an additional compression bulb gasket on the frame, above pivot point), Hanger Seals, Fixed Top Rail Seals (to be provided by Stanley)

Bottom Seals: Vinyl Sweeps

Hardware: Top and Bottom Pivots, Positive Latch and Manual Flush Bolts (to be provided by Stanley)

Accessories: Glazing Systems Components, other than glass (to be provided by Stanley)

Ratings:

| Pressure (in. of WC) | Air Temp, °F | Leakage (cfm/sq ft) | Closing Force, lb | Artificial Bottom Seal |
|-------------------------|-----------------|------------------------|----------------------|---------------------------|
| 0.05 | Ambient | 1.39 | 6.5 | No |
| 0.10 | Ambient | 2.38 | 6.5 | No |
| 0.20 | Ambient | 2.47 | 6.5 | No |
| 0.30 | Ambient | 3.29 | 6.5 | No |
| 0.05 | 400 | 0.40 | 6.5 | No |
| 0.10 | 400 | 0.61 | 6.5 | No |
| 0.20 | 400 | 1.04 | 6.5 | No |
| 0.30 | 400 | 1.18 | 6.5 | No |

| Pressure (in. of WC) | Air Temp, °F | Leakage (cfm/sq ft) | Closing Force, lb | Artificial Bottom Seal |
|-------------------------|-----------------|------------------------|----------------------|---------------------------|
| 0.05 | Ambient | 0.41 | 6.5 | Yes |
| 0.10 | Ambient | 0.76 | 6.5 | Yes |
| 0.20 | Ambient | 1.18 | 6.5 | Yes |
| 0.30 | Ambient | 1.53 | 6.5 | Yes |
| 0.05 | 400 | 0.09 | 6.5 | Yes |
| 0.10 | 400 | 0.13 | 6.5 | Yes |
| 0.20 | 400 | 0.39 | 6.5 | Yes |
| 0.30 | 400 | 1.19 | 6.5 | Yes |

Door Model: **Leakage-rated assembly**, Procure™ 8500 Series, 3-Panel Sliding Door

Door Size, in.: Maximum overall size of the door and frame assembly not to exceed 120 in. wide by 100.5 in high

Frame Model: Extruded Aluminum (to be provided by Stanley)

Perimeter Seals: Lead Stile of Sliding Panel Seal, Pivot Stile of Stationary Panel Seal, Overlapping Door Seal (with an additional compression bulb gasket on the frame, above pivot point), Hanger Seals, Fixed Top Rail Seals (to be provided by Stanley)

Bottom Seals: Silicone Sweeps

Hardware: Top and Bottom Pivots, Positive Latch and Manual Flush Bolts (to be provided by Stanley)

Accessories: Glazing Systems Components, other than glass (to be provided by Stanley)

Ratings:

| Pressure (in. of WC) | Air Temp, °F | Leakage (cfm/sq ft) | Closing Force, lb | Artificial Bottom Seal |
|----------------------|--------------|---------------------|-------------------|------------------------|
| 0.05 | Ambient | 1.36 | 2 | No |
| 0.10 | Ambient | 1.89 | 2 | No |
| 0.20 | Ambient | 2.99 | 2 | No |
| 0.30 | Ambient | 3.87 | 2 | No |
| 0.05 | 400 | 0.32 | 2 | No |
| 0.10 | 400 | 0.69 | 2 | No |
| 0.20 | 400 | 0.93 | 2 | No |
| 0.30 | 400 | 1.02 | 2 | No |

| Pressure (in. of WC) | Air Temp, °F | Leakage (cfm/sq ft) | Closing Force, lb | Artificial Bottom Seal |
|----------------------|--------------|---------------------|-------------------|------------------------|
| 0.05 | Ambient | 0.95 | 2 | Yes |
| 0.10 | Ambient | 1.42 | 2 | Yes |
| 0.20 | Ambient | 2.00 | 2 | Yes |
| 0.30 | Ambient | 2.75 | 2 | Yes |
| 0.05 | 400 | 0.34 | 2 | Yes |
| 0.10 | 400 | 0.43 | 2 | Yes |
| 0.20 | 400 | 0.77 | 2 | Yes |
| 0.30 | 400 | 0.79 | 2 | Yes |

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