

Ultimate Pipe Flashing®

316L Stainless Steel Sheet, with a Brush Rolled finish

Product Description

The Ultimate Pipe Flashing® (UPF) is a high-performance flashing component engineered to sustainably seal the plumbing vent pipe penetration through a roof surface. Created as a durable assembly for steep slope roof use, the patented design incorporates an integral precision compression seal to the vent pipe, allows installation on slopes from flat to 18/12 pitch, and provides industry leading flashing margins to shingles for proper and complete rain shedding installation.

The UPF can be used with any steep slope shingle style roof covering including asphalt shingles, slate, tile, cement tile, cedar shake, and more. This 316L Stainless Steel version is exceptionally well suited for use in high chloride environments, such as coastal or beachfront buildings and is an excellent choice with high end roof covering materials like slate, tile, or cedar shakes.

Instructions & Recommendations for Use

Every UPF is packaged in a protective carton which is imprinted with bilingual instructions for proper installation of the UPF to the roof penetration. The installer must determine the vent pipe material and size. If the vent pipe material is not Sch. 40 PVC DWV pipe, such as copper or cast iron, then a Lifetime Tool® EASYSleeve® or EASYFit™ may be required for proper long-term performance.

The seal to the pipe on a UPF is a precision engineered compression seal for each pipe size encountered, available to seal Sch. 40 PVC DWV pipe in 1 ¼", 1 ½", 2", 3", and 4" sizes that are commonly found in residential and light commercial roofing markets. The installer must ensure that the correct UPF is installed for the given penetrating pipe size.

It is recommended that the UPF be delivered to the pipe penetration on the roof in the original carton. In this manner the installer can double check the size and will have the carton (with bilingual instructions)

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at the installation site for reference. A rigid molted PVC compression collar is supplied in each UPF carton.

This compression collar is engineered to live at the top of the flexible seal bushing between the two molded bead rings (as shown on the instructions illustrations on the carton) and must be installed thereon before installation onto the vent pipe.

The supplied lubricant towelette must be used to wet the interior surfaces of the flexible seal bushing and the external surface of the vent pipe prior to installation. Once installed onto the vent pipe, with the compression collar on the flexible seal bushing, and with the flashing plate seated firmly on to the roof surface, the supplied stainless steel nails can be applied in the slots provided on the flashing plate of the UPF.

Additional information, including instructional videos of installation techniques can be found on the Lifetime Tool® web site at www.lifetimetool.com



Benefits of using the Ultimate Pipe Flashing®

The engineered flashing assembly utilizes materials known for long-term outdoor exposure, including:

- Marine grade 316L stainless steel for the flashing plate
- High-consistency molded silicone elastomer for the flexible seal bushing
- Exterior grade, UV stabilized, rigid PVC for the compression collar
- Proprietary silicone lubricant formulation for the installation towelette
- 300 series stainless steel for the nails

The patented compression seal technique provides a precision lifelong seal to the pipe for each Sch. 40 PVC DWV vent pipe size encountered. **One size does not fit all!**

The flashing plate is produced with generous side and top margins to allow substantial overlap with the shingled roof covering materials, providing an excellent rain shedding finished installation. The flexible seal bushing has been developed to accommodate roof pitch variations from flat to a pitch of 18/12 without further modification or additional installation labor.

All components are made, assembled, and packaged in the U.S.A.

Warrantied for the life of the roof covering materials that is installed with. A truly sustainable roof component built to last and perform on the roof.

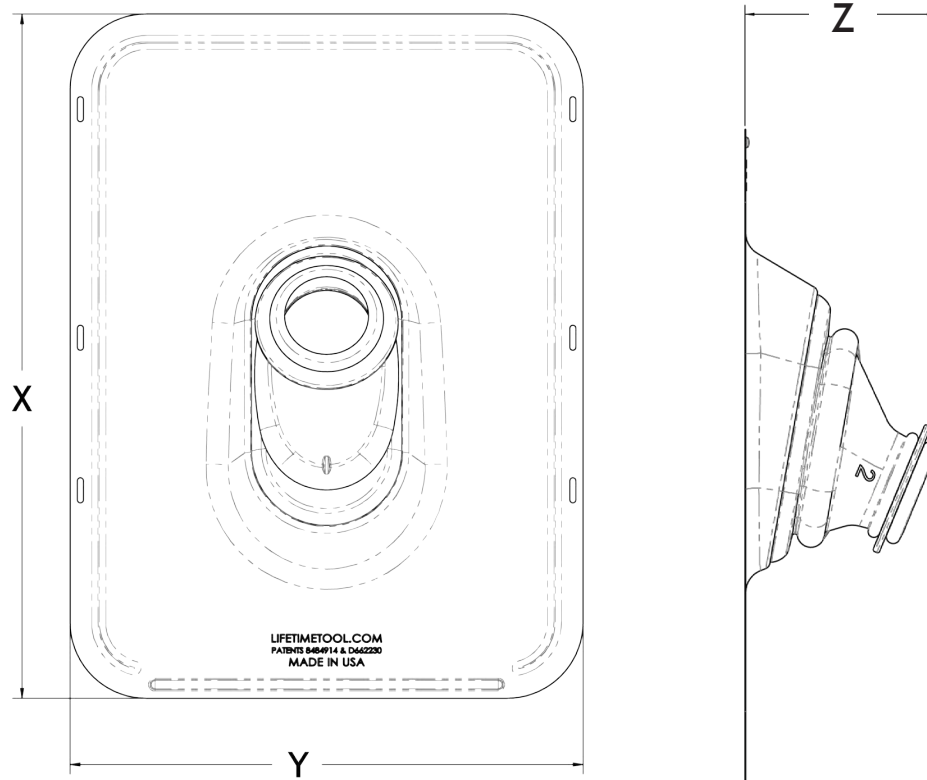
Specific Data

Materials of Construction:

- **Flashing Plate** – Deep drawn and stamped marine grade 316L stainless steel sheet 0.0197” thick with a brushed rolled finish. Meets or exceeds ASTM A240 standards, providing superior corrosion resistance in high chloride outdoor environments like coastal and beach front homes and buildings.
- **Seal Bushing** – Molded from a high consistency silicone elastomer proprietary formulation specific for this application, conforming to ASTM G-154-06 for resistance to UV exposure and ASTM D-1149-99 for surface resistance to ozone. Minimum wall thickness of 3.6mm (0.144”) ensures long-term fatigue resistance to daily thermal gradients.
- **Compression Collar** – Molded from a rigid PVC compound specifically compounded for long-term exterior exposure applications, including UV stabilization.
- **Installation Nails** – Fabricated from 300 series stainless steel for long term use with the 316L flashing plate in high chloride environments like coastal and beach front buildings.

Availability:

The 316L Stainless Steel Ultimate Pipe Flashing® is available for use on Sch. 40 PVC DWV pipe ASTM D-2665 and ASTM D-1785 (pressure pipe), as shown in the dimensions and sizing table below.



Sch. 40 PVC Pipe Size	UPF Part No.	Part Dimensions (in.)			Packaging (each unit)	
		X	Y	Z		
1¼"	SS UPF 125	17.96"	13.46"	5.12"	19" x 15" x 4"	3 lbs.
1½"	SS UPF 150	17.96"	13.46"	5.12"	19" x 15" x 4"	3 lbs.
2"	SS UPF 200	17.96"	13.46"	5.12"	19" x 15" x 4"	3 lbs.
3"	SS UPF 300	19.96"	15.46"	6.06"	21" x 16" x 4"	4 lbs.
4"	SS UPF 400	19.96"	15.46"	6.06"	21" x 16" x 4"	4 lbs.

Applicable Testing:

- ASTM E 283-04 Air leakage test
- ASTM E 331-00 Water penetration test
- ASTM B 117-09 Standard practice for operation salt spray (FOG) apparatus
- FM 4471-95 Appendix G; Susceptibility to leakage test
- ASTM E 2140-01 Standard test method for structural performance by unit for static air pressure difference
- Florida TAS 100-95 Test procedure for wind and wind driven rain resistance

Notice:

All parts are manufactured and assembled in the U.S.A.
 Protected by U.S. Patents 8,484,914 and D662,230
 Florida Product Approval No. F16031
 Lifetime Tool® and Ultimate Pipe Flashing® are registered by and the property of Lifetime Tool and Building Products, LLC no unauthorized use is permitted.
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