



# U-Flow<sup>®</sup> Mechanical Seal

## PRODUCT DATA SPECIFICATIONS

### PRODUCT DESCRIPTION

The roofing industry's original mechanical compression seal provides a watertight mechanical seal that prevents damage to the roof and building from water back-up. U-Flow Seals feature tough nylon flanges, stainless steel screws and EPDM rubber gaskets. Available in 75 mm, 100 mm, 125 mm and 150 mm (3", 4", 5" and 6") sizes.

### FEATURES & BENEFITS

- OlyFlow drains with U-Flow Seals can be installed in minutes from the rooftop, so you won't disturb building occupants.
- Provides a watertight seal that prevents damage from water back-up.
- There's only one original U-Flow Mechanical Seal.
- Can be used on aluminium and copper OlyFlow drains shortened in the field.

### APPLICATION

The seal is activated by tightening the internal screws with the U-Flow screw-driver. This compresses the thermoplastic seal, forcing it to expand and make contact with the wall of the old pipe, thus preventing vertical movement and stopping water back-up damage.

### APPROVALS & STANDARDS

**ANSI/SPRI RD-1** is a US performance standard for retrofit roof drains. While most retrofit drains are not tested to this standard, OlyFlow Insert Drains with the U-Flow Seal exceed the standard, which requires that the seal hold a 3 m (10 ft.) column of water for 24 hours without leaking.



### PHYSICAL DATA

SIZE MM (IN)	O.D. OF PRE-EXPANDED SEAL	FIT INTO PIPE I.D.	FULLY EXPANDED MM (IN)
75 (3")	72.6 (2.86")	73.2 (2.88")	86.4 (3.40")
100 (4")	95 (3.74")	95.5 (3.76")	111.8 (4.40")
125 (5")	120.1 (4.73")	120.7 (4.75")	137.2 (5.40")
150 (6")	146.1 (5.75")	146.6 (5.77")	162.6 (6.40")

Due to manufacturing variations and site inconsistencies, these figures are to be used as a guideline and are not a guaranteed fit in 'tight' situations.

### ORDERING INFORMATION

CAT. NO.	SIZE MM (IN)	PKG QTY	WEIGHT KGS (LBS)
UF3	75 (3)	0.45 (1)	0.45 (1)
UF4	100 (4)	0.45 (1)	0.45 (1)
UF5	125 (5)	0.45 (1)	0.45 (1)
UF6	150 (6)	0.45 (1)	0.45 (1)



# U-Flow® Mechanical Seal

## INSTALLATION PROCEDURE

### STEP 1

Simply insert the narrow end of the U-Flow Seal into the bottom of the drain stem.

### STEP 2

Using the U-Flow Screwdriver, tighten the seal's screws, accessible through the top of the drain, until the seal expands and locks to the drain stem.

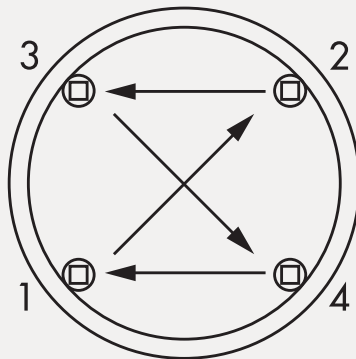
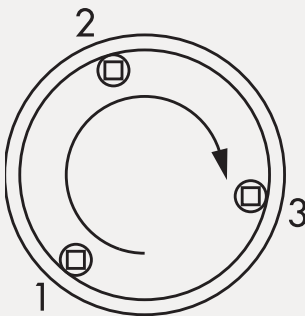
### STEP 3

Place the drain with attached seal inside the existing drain pipe.

### STEP 4

Tighten the seal screws in sequence, in order to provide uniform compression of the seal's compressing ring (the lowest part on the seal). Screws should be tightened with a few turns each, one by one. This procedure should be repeated until the screws are hand-tight and no vertical movement of the drain is possible. U-Flow 75 mm (3") and 100 mm (4") seals have three (3) screws each, while U-Flow 125 mm (5") and 150 mm (6") seals have four (4) screws each. The order of tightening is shown below.

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## ROOFING PRODUCTS

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