



PRODUCT UPDATE 2 – 1st NOVEMBER '09

We are pleased to advise our Yong Won brand of *flexi-dropper*[™] Models YB28 & YB25 have gained approval and listing to the new UL standard: **UL2443 'Flexible Sprinkler Hose with Fittings for Fire Protection'**.

UL2443 supersedes UL1474 'Adjustable Drop Nipple for Sprinkler System' - the original UL listing under which *flexi-dropper*[™] was sold in Australia and NZ.

Our Activfire Certificate of Conformity (CoC) were recently updated by CSIRO (formally SSL) to include the new UL2443 test results. See copies,

- AFP1249 Ver 6 dated 1st April 2011 for Model YB28
- AFP1584 Ver 5 dated 1st April 2011 for Model YB25

Of all the braided flexible sprinkler hoses sold in Australia and New Zealand our Yong Won brand (AFT listed) is the first one to gain the new UL2443 listing.

We have summarised some of the main items to note in our approval of the new UL2443 standard approval (Items 3 & 5 will also apply to the other flexible sprinkler droppers marketed within Australia that are approved to UL requirements):

- The pressure rating increased from 1210kpa (175 psi) to 1380kpa (200 psi).
 - The minimum bend radius increased from 50mm to 80mm. We were advised this is due to new UL vibration test requirements.
 - The maximum length is 1800mm long (reduced from previously approved 3700mm long) UL advised this was done to minimise potential for inadequate support and undesirable movement of a sprinkler head after installation.
 - Table 1 on both CoC is more user friendly showing equivalent length per metre results for all five lengths (700, 1000, 1200, 1500 and 1800mm) for 15 and 20mm outlets. The equivalent length figures are inclusive of 2 x 90 degree bends for 700, 1000, 1200 and 1500mm length, 3 x 90 degree bends for 1800mm long. The manufacturer has advised the reference to maximum number of 90 degree bends in Table 1 was at UL's request during the test for the manufacturer to select the maximum number of bends for the test. They advise there is no actual restriction on the number of bends that can be used during installation as long as the equivalent length figures are taken into consideration.
 - The approval only covers Wet Sprinkler Systems.
- AFT Australia also recently received Multiple Listing with the manufacturers Yong Won for UL approval and listing to UL2443 (see attached). This means you will now see "AFT Australia P/L" printed on the *flexi-dropper*[™] rather than "Yong Won ENC Ltd".