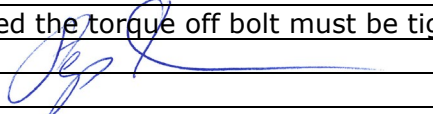


FORM 10

Aon File Reference: BB008_____

| LISTING CERTIFICATE – SPRINKLER SYSTEM EQUIPMENT As per section 114 of NZS 4541:2020 and NZS4515:2009 Appendix G | |
|--|---|
| This is to confirm that, on the basis of the information supplied in the application for listing of the equipment dated 09 November 2021 this organisation, as the nominated Sprinkler System Certifier considers that the appropriate requirements of NZS 4541:2020 and NZS4515:2009 have been adequately met with respect to the item described below, for use under the conditions set out on this certificate. | |
| Item Seismic Bracing Components | |
| For use as seismic bracing | |
| Certificate number BB008 | Effective from 16 November 2021 |
| Manufacturer / Supplier: Erico/nVent | |
| Make nVent Caddy | |
| Model CSBSTU 25mm – 250mm, CSBMA, CSBQGO 65mm-200mm, CSBBRS3MEG, CSBIB, CSBBRS1MEG, CSBBC075EG, CSBBRP 25mm – 50mm, CSBBARJEG, CSBUNIV, CSBEZU 25mm – 150mm | |
| Reference information nVent Caddy manufactures datasheets, FM certificate 449669 | |
| Range limitations | |
| Maximum loads may not exceed the adjusted allowable stress design FM published loads. | |
| If AS1074 medium pipe used as the brace then schedule 10 loads to be used | |
| CSBEZU loads are based on the historic FM values, see appendix to this cert. | |
| Restrictions and warnings | |
| UL design loads are not applicable | |
| CSBBRS2MEG (Branch line restraint) listed for use in wood only. | |
| Special conditions | |
| Where fitted the torque off bolt must be tightened until it snaps off. | |
| Signed  | Date 16 November 2020 |
| Name IANZ Approved Signatory: Stephen Ridder | Designation Fire Protection Engineer |

Appendix to BB008

Brace CSBEZU

Load limits as proven by FM. These values are the ASD values.

| FM Loads (Lightwall, Sch 10 and Sch 40 Service Pipes) | | | | | | | | |
|---|--|-----------|-----------|-----------|--------------|-----------|-----------|-----------|
| Part Number | Horizontal Capacity per Installation Angle from Vertical | | | | | | | |
| | Lateral | | | | Longitudinal | | | |
| | 30° - 44° | 45° - 59° | 60° - 74° | 75° - 90° | 30° - 44° | 45° - 59° | 60° - 74° | 75° - 90° |
| CSBEZU0100EG | 3825 N | 5425 N | 6670 N | 7430 N | 1735 N | 2445 N | 2980 N | 3335 N |
| CSBEZU0125EG | 3825 N | 5425 N | 6670 N | 7430 N | 1735 N | 2445 N | 2980 N | 3335 N |
| CSBEZU0150EG | 3825 N | 5425 N | 6670 N | 7430 N | 1735 N | 2445 N | 2980 N | 3335 N |
| CSBEZU0200EG | 6805 N | 9610 N | 11790 N | 13165 N | 2315 N | 3070 N | 3690 N | 4136 N |
| CSBEZU0250EG | 6805 N | 9610 N | 11790 N | 13165 N | 2315 N | 3070 N | 3690 N | 4136 N |
| CSBEZU0300EG | 6805 N | 9610 N | 11790 N | 13165 N | 2315 N | 3070 N | 3690 N | 4136 N |
| CSBEZU0400EG | 6985 N | 9875 N | 12100 N | 13480 N | 2800 N | 4005 N | 4895 N | 5470 N |
| CSBEZU0500EG | 6985 N | 9875 N | 12100 N | 13480 N | 2800 N | 4005 N | 4895 N | 5470 N |
| CSBEZU0600EG | 8805 N | 12500 N | 15300 N | 17080 N | 3245 N | 4450 N | 5470 N | 6095 N |