

DECLARATION OF PERFORMANCE

CE_DoP_Rf-t_V22_EN H-05/2017

| | |
|--|---|
| 1. Unique identification code of the product-type: | VU120 |
| 2. Intended use/es: | Smoke evacuation damper to be used in smoke control systems, in multi-compartment applications at fire temperatures, or in single-compartment applications. |
| 3. Manufacturer: | Rf-Technologies NV, Lange Ambachtstraat 40, B-9860 Oosterzele |
| 4. System/s of AVCP: | System 1 |
| 5. Harmonised standard / European Assessment Document; notified body / European Technical Assessment, Technical Assessment Body, notified body; certificate of constancy of performance: | EN 12101-8:2011, BCCA with identification number 0749; BC1-606-0464-12101-8.01-0464 |
| 6. Declared performance according to EN 12101-8:2011 | (fire resistance according to EN 1366-10, classification according to EN 13501-4) |

| Essential characteristics | | | | Performance | | |
|--|------------------|-----------------------|---|-----------------------------|--|---|
| Range | Wall type | Wall | Sealing | Installation Classification | | |
| 200x200 mm ≤ VU120+MANF/BLE ≤ 1200x800 mm; 1000x1000. 200x200 mm ≤ VU120+NF/SF ≤ 1200x650 mm; 950x750 mm | Vertical shaft | Promatect L500 ≥ 50mm | Gap between duct and damper (≤ 6 mm) sealed with refractory kit (on a depth ≥ 105 mm) | 1 | EI 120 (v _{ed} i ↔ o) S 1500 AA multi | |
| | Horizontal shaft | | | 2 | E 120 (v _{ed} i ↔ o) S 1500 AA multi | |
| | | Vertical shaft | | 1 | EI 120 (h _{od} i ↔ o) S 1500 AA multi | |
| | Horizontal shaft | | | 2 | E 120 (h _{od} i ↔ o) S 1500 AA multi | |
| | | Vertical shaft | | Geoflam ≥ 45mm | Gap between duct and damper (≤ 80 mm) sealed with refractory kit (on a depth ≥ 105 mm) | 2 |
| | Horizontal shaft | | | | | 1 |
| | | Vertical shaft | Geoflam Light ≥ 35mm | 2 | | E 120 (v _{ed} i ↔ o) S 1500 AA multi |
| | Horizontal shaft | | | 2 | | EI 60 (v _{ed} i ↔ o) S 1500 AA multi |
| | | Vertical shaft | Reinforced concrete (≥2150kg/m ³) ≥ 75mm | Mortar | | 1 |
| | 1 | | | | | EI 90 (v _{ed} i ↔ o) S 1500 AA multi |

| | | | | | |
|---|---|--|---|---|--|
| 1 | Type of installation: shaft-mounted with a grill or connected to smoke evacuation duct 0°/90°/180°/270° | | 2 | Type of installation: shaft-mounted, without a grill 0°/90°/180°/270° | |
|---|---|--|---|---|--|

| | |
|--|--|
| Nominal activation conditions/sensitivity: | Pass - automatic activation |
| Response delay (response time): closure time | Pass - automatic activation |
| Operational reliability: cycling | Belimo NF - 300 cycles (with load); Belimo SF - 300 cycles (with load); MANF - 300 cycles (no load); BLE - 10000 cycles (C10000) (no load) |
| Durability of response delay: | Pass |
| Durability of operational reliability: | Pass |
| High operational temperature (HOT 400/30): | NPD (no performance determined) |

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:
Frank Verlinden, Product Manager

Oosterzele, 05/2017



Harmonised standard
EN 12101-8:2011