

### FLAMELESS EXPLOSION VENTING TYPE FLAMQUENCH II™

#### DESCRIPTION

The most common basis of safety for protecting industrial processes against the effects of dust explosions is explosion relief venting.

Fike's FlamQuench II™ consist of various layers of stainless steel mesh, which absorb heat during combustion, allowing conventional venting to be done indoors and outdoors with no release of flame and retaining the dust.

#### FEATURES AND BENEFITS

- Flame arrester technology combined with circular explosion vent panels – limitations for compatible explosion vent models may exist, contact Fike for more information
- Conventional venting indoors and outdoors without flame and retaining the dust
- Precludes the need for venting ducts
- Virtually maintenance free
- Easy installation
- Approvals: ATEX, CE, EAC and FM
- Optional dust cover prevents dust ingress into stainless steel mesh



#### APPROVALS:

- CE
- ATEX
- FM
- EAC



## SPECIFICATIONS

<b>Type</b>	FlamQuench II™
<b>Materials of Construction</b>	Stainless Steel
<b>Compatible Explosion Vents</b>	Circular vents (HI-CV, HI-CV-S)
<b>Operating Conditions</b>	Not exposed to process conditions
<b>Application Limits</b>	Suitable for venting class ST1 and ST2 non-metallic explosions Reduced explosion pressure ≤ 1 bar
<b>Safety Distance</b>	Equal to the equivalent diameter of the vent area of the device Local regulations may prevail
<b>Approvals</b>	ATEX, CE, EAC and FM <sup>1</sup>

(1) FM approval not available for sizes DN750 – DN800 – DN900 – DN1000.

## OPTIONS

<b>Option</b>	Dust cover
<b>Materials of construction</b>	Alpha Maritex double-sided silicone-coated glass fibre cloth
<b>Max temperature</b>	150°C

## DIMENSIONS

FQII Size	Dimensions (mm)				Size Bolt	Qty	Dimensions (mm)			Weight (kg)
	P	OD	BC	F			L	W	A	
DN200	208	268	242	10	M8	8	599	330	± 44	± 20
DN300	310	390	355	12	M10	12	666	485	± 44	± 36
DN350	342	422	387	12	M10	12	800	565	± 63	± 51
DN400	393	483	443	12	M10	16	900	636	± 63	± 76
DN500	494	584	544	12	M10	20	954	727	± 63	± 90
DN600	596	686	646	12	M10	20	1465	828	± 63	± 182
DN750	743	843	798	12	M10	28	2189	982	± 63	± 288
DN800	799	899	854	12	M10	28	2238	1173	± 63	± 365
DN900	900	1000	955	12	M10	32	2238	1173	± 63	± 365
DN1000	1002	1102	1057	12	M10	36	2242	1264	± 63	± 438

