







Flame Arrester

In-Line Flame Arrester

	Model 931	Model 931-A	Model 931-B	Model 931-T
				
Purpose	Deflagration, stable and unstable detonation endurance burning	Deflagration, stable and unstable detonation endurance burning	Deflagration, stable and unstable detonation	Deflagration, short-time burning
Application	Gas / air- or vapor / air- mixtures of the explosion groups: IIA, I (methane)	Gas / air or vapor / air mixtures of the explosion groups: IIA, I (methane)	Gas / air or vapor / air mixtures of the explosion groups: IIC, IIB3, IIA, I (methane)	Gas / air or vapor / air mixtures of the explosion groups: IIA, I (methane)
Nominal Diameter	Metric: 8, 10, 15, 20, 25 and 32mm Imperial: 1/4, 3/8, 1/2, 3/4, 1 and 1 1/4 inch	Metric: 15, 20, 25 and 32mm Imperial: 1/2, 3/4, 1 and 1 1/4 inch	Metric: 6, 8, 10 and 15mm Imperial: 1/8, 1/4, 3/8 and 1/2 inch	Metric: 40mm Imperial: 1 1/2 inch
Connection	Rp to ISO 7-1 (DIN 2999) BSP to BS 21 NPTF to ANSI B1.20.3	DIN 2501 PN10 ANSI B16.5 - 150 RF	Rp to ISO 7-1 (DIN 2999) BSP to BS 21 NPTF to ANSI B1.20.3	DIN 2501 PN10 ANSI B16.5 - 150 RF
Approval	EC-type examination certificate based on Directive 94/9/EC, according to ATEX 95 and ISO 16852	EC-type examination certificate based on Directive 94/9/EC, according to ATEX 95 and ISO 16852	EC-type examination certificate based on Directive 94/9/EC, according to ATEX 95 and ISO 16852	EC-type examination certificate based on Directive 94/9/EC, according to ATEX 95 and ISO 16852
Metal Foil Element	Stainless Steel	Stainless Steel	Stainless Steel, Special Alloy	Stainless Steel
Housing of Metal Foil Element	-	-	-	-
Body / Cover	Carbon Steel, Stainless Steel	Carbon Steel, Stainless Steel	Stainless Steel, Special Alloy	Carbon Steel, Stainless Steel
Coating	Optional	Optional	-	Optional
Temperature Sensor	-	-	-	Resistance thermometer with ignition protection type: - Inherently safe (E Ex i) - Pressure resistant enclosure (E Ex d)

Reference Guide

In-Line Flame Arrester

Model 931-A-T	Model 933-A	Model 933-G	Model 933-S	
				
Deflagration, short-time burning	Deflagration, stable and unstable detonation, short-time burning	Deflagration, stable and unstable detonation	Deflagration, stable and unstable detonation short time burning	Purpose
Gas / air- or vapor / air- mixtures of the explosion groups: IIA, I (methane)	Gas / air- or vapor / air- mixtures of the explosion groups: IIC, IIB3, IIA, I (methane)	Gas / air- or vapor / air- mixtures of the explosion groups: IIC, IIB3, IIA, I (methane)	Gas / air- or vapor / air- mixtures of the explosion groups: IIC, IIB3, IIA, I (methane)	Application
Metric: 40mm Imperial: 1 ^{1/2} inch	Metric: 25, 32, 40, 50, 65 and 80mm Imperial: 1, 1 ^{1/4} , 1 ^{1/2} , 2, 2 ^{1/2} and 3 inch	Metric: 25, 32, 40, 50, 65 and 80mm Imperial: 1, 1 ^{1/4} , 1 ^{1/2} , 2, 2 ^{1/2} and 3 inch	Metric: 50, 65, 80, 100, 125, 150, 200, 250, 300, 350, 400 and 500mm Imperial: 2, 2 ^{1/2} , 3, 4, 5, 6, 8, 10, 12, 14, 16 and 20 inch	Nominal Diameter
Rp to ISO 7-1 (DIN 2999) BSP to BS 21 NPTF to ANSI B1.20.3	DIN 2501 PN10 ANSI B16.5 - 150 RF	DIN 2501 PN10 ANSI B16.5 - 150 RF	ISO 7005 PN10 ANSI B16.5 - 150 RF	Connection
EC-type-examination certificate based on Directive 94/9/EC, according to ATEX 95 and ISO 16852	EC-type examination certificate based upon Directive 94/9/EC, according to ATEX 95 and ISO 16852	EC-type examination certificate based upon Directive 94/9/EC, according to ATEX 95 and ISO 16852	EC-type examination certificate based upon Directive 94/9/EC, according to ATEX 95 and ISO 16852	Approval
Stainless Steel	Stainless Steel, Special Alloy	Stainless Steel, Special Alloy	Stainless Steel, Special Alloy	Metal Foil Element
-	Stainless Steel, Special Alloy	Stainless Steel, Special Alloy	Stainless Steel, Special Alloy	Housing of Metal Foil Element
Carbon Steel, Stainless Steel	Body: Carbon Steel, Stainless Steel, Special Alloy	Body: Carbon Steel, Stainless Steel, Special Alloy	Body: Ductile Iron, Carbon Steel, Stainless Steel, Special Alloy	Body / Cover
Optional	Optional	Optional	Optional	Coating
Resistance thermometer with ignition protection type: – Inherently safe (E Ex i) – Pressure-resistant enclosure (E Ex d)	Resistance thermometer with ignition protection type: – Inherently safe (E Ex i) – Pressure-resistant enclosure (E Ex d)	Resistance thermometer with ignition protection type: – Inherently safe (E Ex i) – Pressure-resistant enclosure (E Ex d)	Resistance thermometer with ignition protection type: – Inherently safe (E Ex i) – Pressure-resistant enclosure (E Ex d)	Temperature Sensor