

August, 2017

PROTECTOSEAL NEW PRODUCT LAUNCH

Detonation Arresters Approved to the ISO 16852 Standard

Series 25000E / 35000E, Suitable for use with Explosion Group IIA, NEC Group D vapors

Series 26000E / 36000E, Suitable for use with Explosion Group IIB3 or IIA, NEC Group C & D vapors



The Protectoseal Company is pleased to announce the launch of their NEW Series 25000E / 35000E and Series 26000E / 36000E Detonation Arresters certified to the International Standard, ISO 16852.



These NEW arresters are ISO Approved, Bi-Directional Detonation, Type 2 Arresters suitable for successfully arresting unstable (overdriven) flame fronts without a restricted outlet, as well as the following flame fronts:

- ▶ Low speed, low pressure deflagrations
- ▶ High speed, high pressure deflagrations
- ▶ Unstable (overdriven) detonations
- ▶ Stable detonations
- ▶ Available with short burn time burn capability

NEW 25000E / 35000E and 26000E / 36000E SERIES **UNSTABLE (OVERDRIVEN) DETONATION ARRESTERS**

GAS GROUPS: These units are applicable for the following gas groups:

Series	Gas Group	
	ISO	NEC 500
25000E/35000E	IIA	D
26000E/36000E	IIB3	C

MATERIALS OF CONSTRUCTION: The available materials of construction include the following:

Housings	Arresting Elements
Steel	316 stainless steel
Steel	304 stainless steel
316 stainless steel	316 stainless steel
304 stainless steel	304 stainless steel
Alloy C-276	Alloy C-276

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Series 25000E/35000E Detonation Flame Arresters
 Series 26000E/36000E Detonation Flame Arresters

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SIZES & MAXIMUM ALLOWABLE WORKING PRESSURES:

The NEW arresters are available with ANSI or DIN flanged connections in the sizes shown below, with the maximum operating pressures indicated:

Series	Gas Group		Size		Maximum Op. Pressure	
	ISO	NEC 500	DIN (mm)	ANSI (in)	bara	psia
25002E	IIA	D	50	2	1.22	17.7
25003E	IIA	D	80	3	1.22	17.7
25004E	IIA	D	100	4	1.22	17.7
25006E	IIA	D	150	6	1.22	17.7
25008E	IIA	D	200	8	1.08	15.7
35010E	IIA	D	250	10	1.22	17.7
35012E	IIA	D	300	12	1.22	17.7
35014E	IIA	D	350	14	1.22	17.7
35016E	IIA	D	400	16	1.22	17.7
35018E	IIA	D	450	18	1.22	17.7

Series	Gas Group		Size		Maximum Op. Pressure	
	ISO	NEC 500	DIN (mm)	ANSI (in)	bara	psia
26002E	IIB3	C	50	2	1.22	17.7
26003E	IIB3	C	80	3	1.22	17.7
26004E	IIB3	C	100	4	1.22	17.7
26006E	IIB3	C	150	6	1.08	15.7
36008E	IIB3	C	200	8	1.10	15.9
36010E	IIB3	C	250	10	1.08	15.7
36012E	IIB3	C	300	12	1.22	17.7

BURN TIME: These designs are available as:

- ▶ Detonation arresters with NO burn time, no taps for temperature devices, or as
- ▶ Short burn time detonation arresters when fitted with taps for the addition of temperature wells and probes, or as
- ▶ Short burn time detonation arresters when fitted with taps, temperature wells and probes furnished by Protectoseal

FLOW / PRESSURE DROP SPECIFICATIONS: The flow / pressure drop performance for these units are extremely competitive vs. other manufacturer’s devices. Sizing and flow performance data will also be added to the NEW, web based version of Pro-Flow software.

SALES LITERATURE / WEBSITE: The NEW ISO Approved Detonation Arresters are supported by the attached sales literature and can be found on the Protectoseal website.

PRICING: Pricing will be on a “consult factory” basis.

INTRODUCTION & AVAILABILITY: Protectoseal’s NEW Detonation Arresters are available immediately. If you need application assistance, please contact our Technical Sales Department or your Regional Sales Manager for assistance.