



THE SERIES 40

In-line Deflagration Flame Arrester

Knowledge is power... At Westech we turn it into protection

Test Protocol

Tested in accordance with the European Standard EN12874: 2001, 6.3 Flame Transmission Test, 6.3.2 Deflagration Test, 6.3.2.1 End-of-Line Flame Arrester and 6.3.2.2 In-line Flame Arrester.

Sizes

Sizes 2" – 18" NEC Group D
(IEC Group IIA, M.E.S.G. .9 mm)
Sizes 2", 3" and 4" NEC Group C
(IEC Group IIB3, M.E.S.G. .65 mm)

Protection

Quenches deflagrations. In-line installation is limited to 50 pipe diameters as per test protocol. Can be installed at the end of a vent line.

Installation

The Series 40 can be installed in the vertical or horizontal position.

Passive Operation

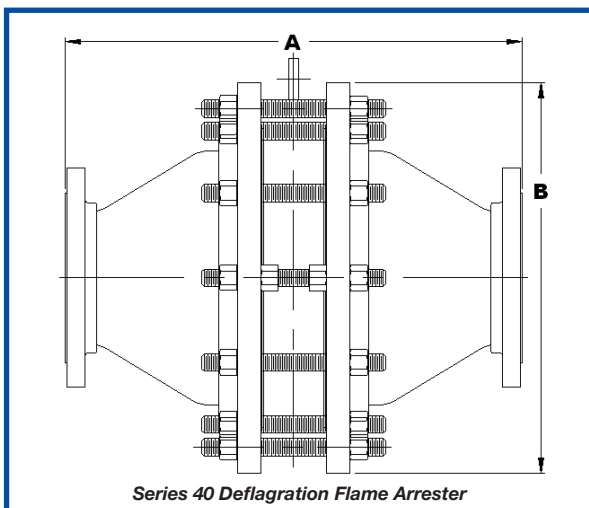
Completely self-contained with no reliance on power supplies, sensors, actuators or any external components.

Mechanical Design

Standard construction is carbon steel housing fabricated in accordance with ASME/ANSI with 150 R.F. line flanges. Element is 316 stainless steel.

Options

- Arrester housing fabricated in 316 SS
- Class 300 ANSI R.F. or DIN mating flange connections
- Instrument and drain connections
- Special alloy fabrication and internal coatings
- Special surface finishes
- Special testing and designs
- Weatherhood



MODEL	LINE SIZE	OVERALL LENGTH (A)	HOUSING DIAMETER (B)	ARRESTER WEIGHT (LB.)
WFA40-002	2" (50 mm)	12.875	9	70
WFA40-003	3" (80 mm)	16.75	11	110
WFA40-004	4" (100 mm)	18.375	16	260
WFA40-006	6" (150 mm)	22.875	19.625	305
WFA40-008	8" (200 mm)	38.125	23.5	600
WFA40-010	10" (250 mm)	34	27.5	1014
WFA40-012	12" (300 mm)	46	32	1500
WFA40-014	14" (350 mm)	55.375	38.75	1650
WFA40-016	16" (400 mm)	55.375	38.75	1700
WFA40-018	18" (450 mm)	62.5	46	2250

Overall length may vary +/- .25" (6 mm)