

# ADAST

## ADAST FLAME ARRESTERS

Our Tradition. Your Future.

**THE ADAST FLAME ARRESTERS** hinder the progress of flames to the protected parts of equipment meant for storage, distribution, transport and processing flammable gases and fumes of class IIA and IIB explosive liquids range.

### **Main Advantages**

- Top grade quality
- High operational reliability
- Low demand on maintenance
- Long life



The ADAST flame arresters plugs are constructed and manufactured by experts with special care and the guarantee of high quality workmanship making use of experience gathered over decades of development and production.

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The construction and parameters of the ADAST flame arresters comply with the demanding requirements of the Czech National Standard EN 12874.

The complete range of ADAST flame arresters has been certified by the  $CE$  1026 AO FTZÚ notified organ, s.p. (national corporation) Ostrava-Radvanice according to the 94/9/EC – ATEX Guidelines.

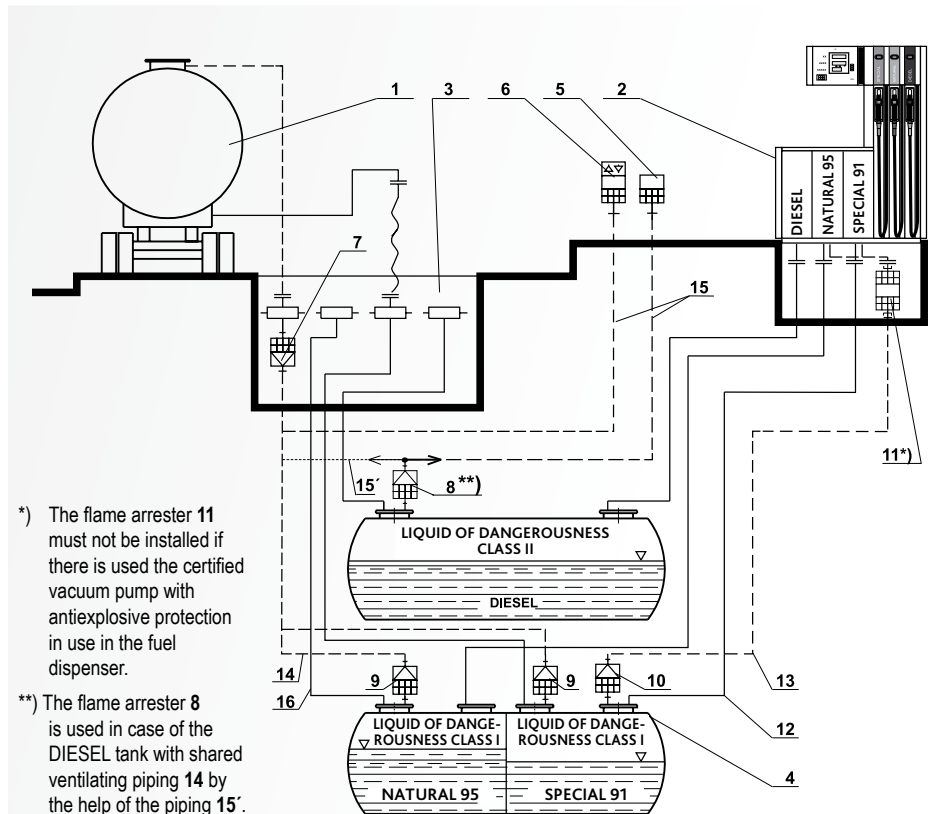
The quality system for the manufacture of flame arresters has been certified by the  $NO$   $CE$  1026 – AO FTZÚ, s.p. (national corporation) Ostrava-Radvanice according to supplement IV of the 94/9/EC – ATEX guideline – certificate no. FTZÚ 02 ATEX Q 20.

An overview of the ADAST flame arresters			DN 25	DN 50	DN 80	DN 100
Anti-detonation	J 13x	Bi-directional detonation in-line	J 131.25/P4AD2 J 131.25/P4BD2	J 134.50/P7AD2/II J 134.50/P4BD2/II	J 134.80/P7AD2/II J 134.80/P4BD2/II	J 134.100/P7AD2/II *) J 134.100/P4BD2/II *)
	J 47x	Unidirectional detonation angular	—	J 474.50/1/P4AD/II	J 474.80/1/P4AD/II	—
Anti-deflagration	J 37x	Deflagration end-of-line	—	J 371.50/1/P7AE/II	J 374.80/1/P7AE/II	J 374.100/1/P7AE/II
	J 34x	Deflagration valved end-of-line – for vapour recovery	—	J 341.50/1/P7AE/II	—	J 344.100/1/P7AE/II

\*) Flame arresters of the DN 100 range will be available after evaluating verification of the entire series has been completed.

## An example of antiexplosive protection of the fuel storage tanks at filling stations

- 1 Road fuel tank
- 2 Fuel dispenser
- 3 Filling shaft
- 4 Storage tank
- 5 Deflagration flame arrester end-of-line DN 50 – J 371.50/1/P7AE/II type
- 6 Deflagration valved flame arrester end-of-line DN 50 – J 341.50/1/P7AE/II type
- 7 Detonation flame piping arrester angular unidirectional for a stable detonation DN 50 – J 474.50/1/P4AD/II type
- 8,9 Detonation flame piping arrester angular unidirectional for a stable detonation DN 80 – J 474.80/1/P4AD/II (J 474.50/1/P4AD/II) type
- 10 Detonation flame piping arrester angular unidirectional for a stable detonation DN 50 – J 474.50/1/P4AD/II type
- 11 Detonation flame piping arrester in-line bi-directional for a stable detonation n DN 25 – J 131.25/P4AD2 type
- 12 Suction piping to the fuel dispenser
- 13 Piping for vapour recovery of II. stage
- 14 Piping for ventilation and vapour recovery of I. stage
- 15 Ventilation piping
- 16 Piping for fuelling into the tank



Certificate



$CE$  1026

**ADAST**  
systems

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