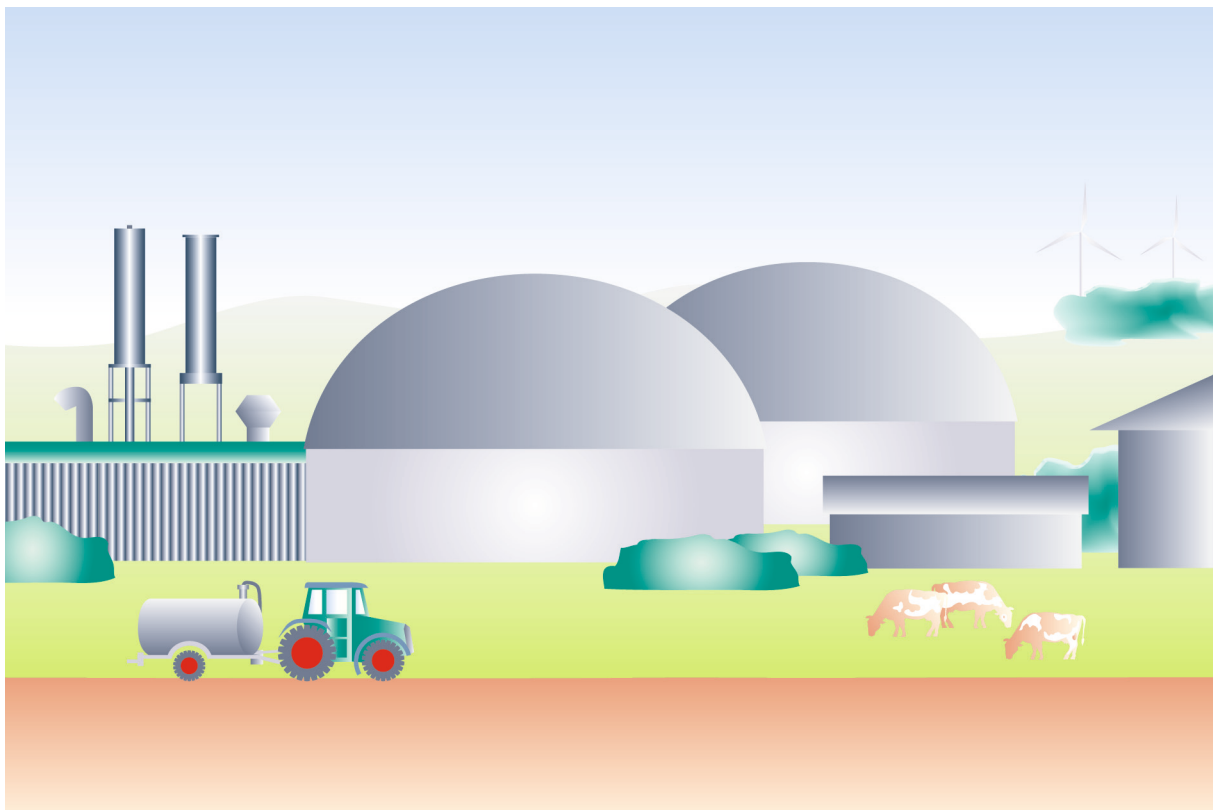
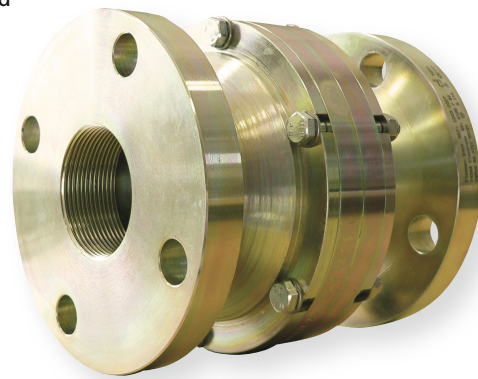
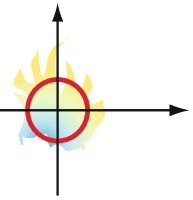


Flame Arresters

Inline deflagration flame arresters are preventing transmission of deflagration in case of uncontrolled ignition.

- Our inline deflagration flame arresters are specially developed for bio-, sewage- and landfill-gas applications and are approved in compliance with ATEX directive (94/9/EC) 2014/34/EC.
- Series 1003 for explosive vapour-air and/or gas-air mixtures of explosives group IIA1 and IIA with MESG > 0.9 mm.
- Series 1013 for endurance burning of potentially explosive vapour-air and/or gas-air mixtures of explosives IIA1 with MESG \geq 1.14 mm.
- All inline deflagration flame arresters are approved in accordance to EN ISO 16852 (Flame arrester – Performance requirements, test methods and limits for use).





Inline Deflagration Flame Arresters Series 1003

For explosive vapour-air and/or gas-air mixtures of explosives group IIA1 and IIA with MESG > 0.9 mm.

In-line deflagration flame arrester series 1003 prevents light-back at deflagration of potentially explosive vapour-air and/or gas-air mixtures of explosives group IIA1 and IIA with MESG > 0.9 mm in an ignition source preceding pipe with a maximum length of 50 X nominal diameter.



Nominal diameter	Product	Connection	Direction of application	Absolute working pressure
DN 20 / ¾"	1003-0016-85	G 1"	Bi-directional	1,20 bar
DN 25 / 1"	1003-0017-85	G 1"	Bi-directional	1,10 bar
DN 32 / 1¼"	1003-0011-55	G 1¼"	Bi-directional	1,20 bar
DN 40 / 1½"	1003-0011-85	G 1½"	Bi-directional	1,20 bar
DN 40 / 1½"	1003-0007-55	G 1½" and Flange	Bi-directional	1,20 bar
DN 50 / 2"	1003-0007-85	G 2" and Flange	Bi-directional	1,20 bar
DN 65 / 2½"	1003-0008-90	Flange	Bi-directional	1,20 bar
DN 80 / 3"	1003-0008-80	Flange	Bi-directional	1,20 bar
DN 100 / 4"	1003-0009-80	Flange	Bi-directional	1,20 bar
DN 125/5"	1003-0012-90	Flange	Bi-directional	1,20 bar
DN 150/6"	1003-0012-80	Flange	Bi-directional	1,20 bar

Connection: Thread, DIN-Flange, ANSI-Flange - Material availability: Steel zinc plated and chromated or stainless steel.

Inline Deflagration Flame Arresters approved for Endurance Burning Series 1013

for deflagration and endurance burning of potentially explosive vapour-air and/or gas-air mixtures of explosives group IIA1 with MESG ≥ 1.14 mm.

In-line deflagration flame arrester series 1013 prevents light-back at deflagration and endurance burning of potentially explosive vapour-air and/or gas-air mixtures of explosives IIA1 with MESG ≥ 1.14 mm in an ignition source preceding pipe with a maximum length of 50 X nominal diameter.



Nominal diameter	Product	Connection	Direction of application	Absolute working pressure
DN 25 / 1"	1013-0004-85	G 1"	Bidirektional	1,10 bar
DN 40 / 1½"	1013-0001-50	G 1½" and Flange	Bi-directional	1,10 bar
DN 50 / 2"	1013-0001-80	G 2" and Flange	Bi-directional	1,10 bar
DN 65 / 2½"	1013-0002-90	Flange	Bi-directional	1,10 bar
DN 80 / 3"	1013-0002-80	Flange	Bi-directional	1,10 bar
DN 100 / 4"	1013-0003-80	Flange	Bi-directional	1,10 bar
DN 125/5"	1003-0012-90	Flange	Bi-directional	1,10 bar
DN 150/6"	1003-0012-80	Flange	Bi-directional	1,10 bar

Connection: Thread, DIN-Flange, ANSI-Flange - Material availability: Steel zinc plated and chromated or stainless steel.

Stand: 10/2016