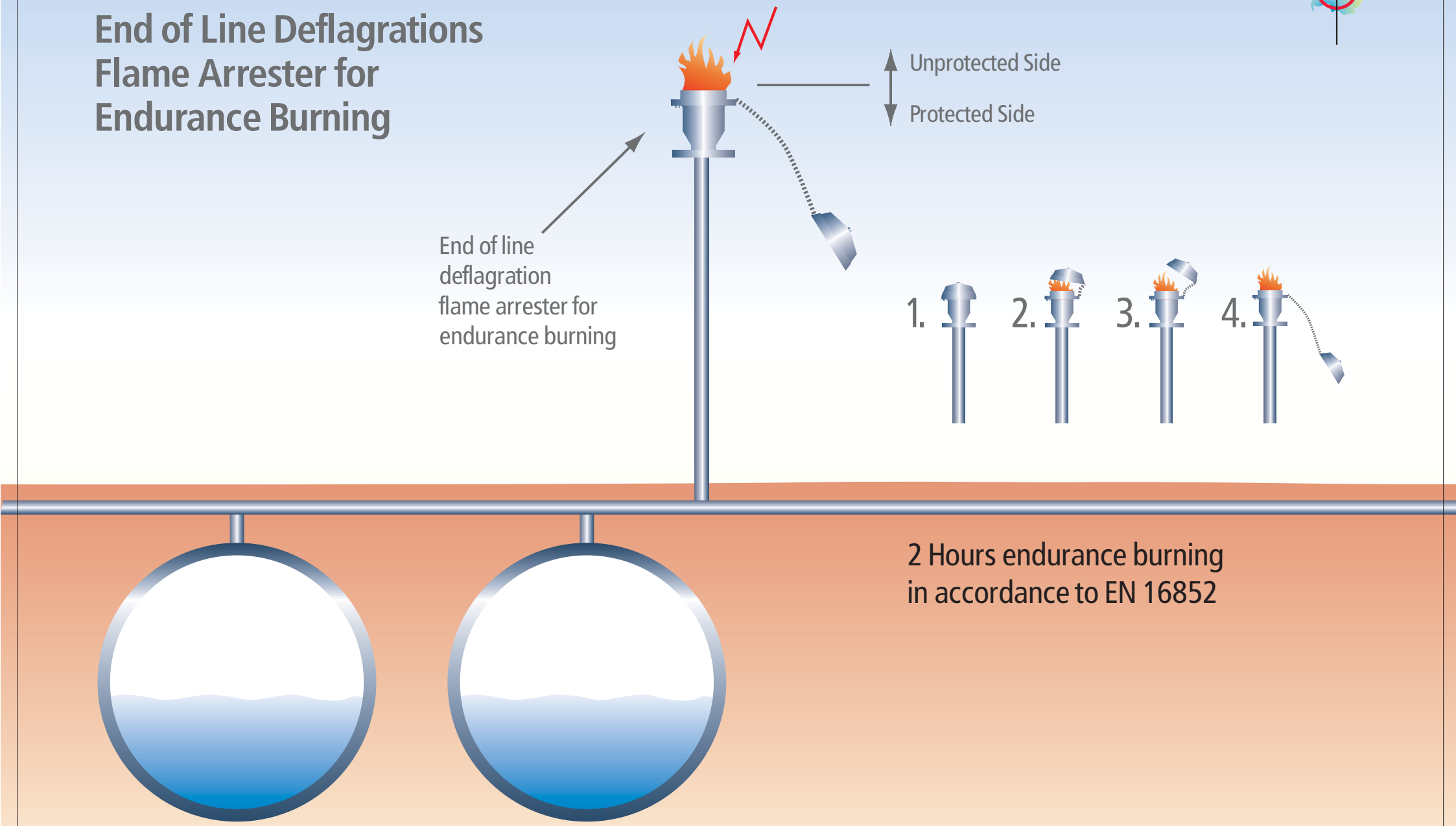
End of Line Deflagrations Flame Arrester for Endurance Burning

FLAMMER



2 Hours endurance burning in accordance to EN 16852

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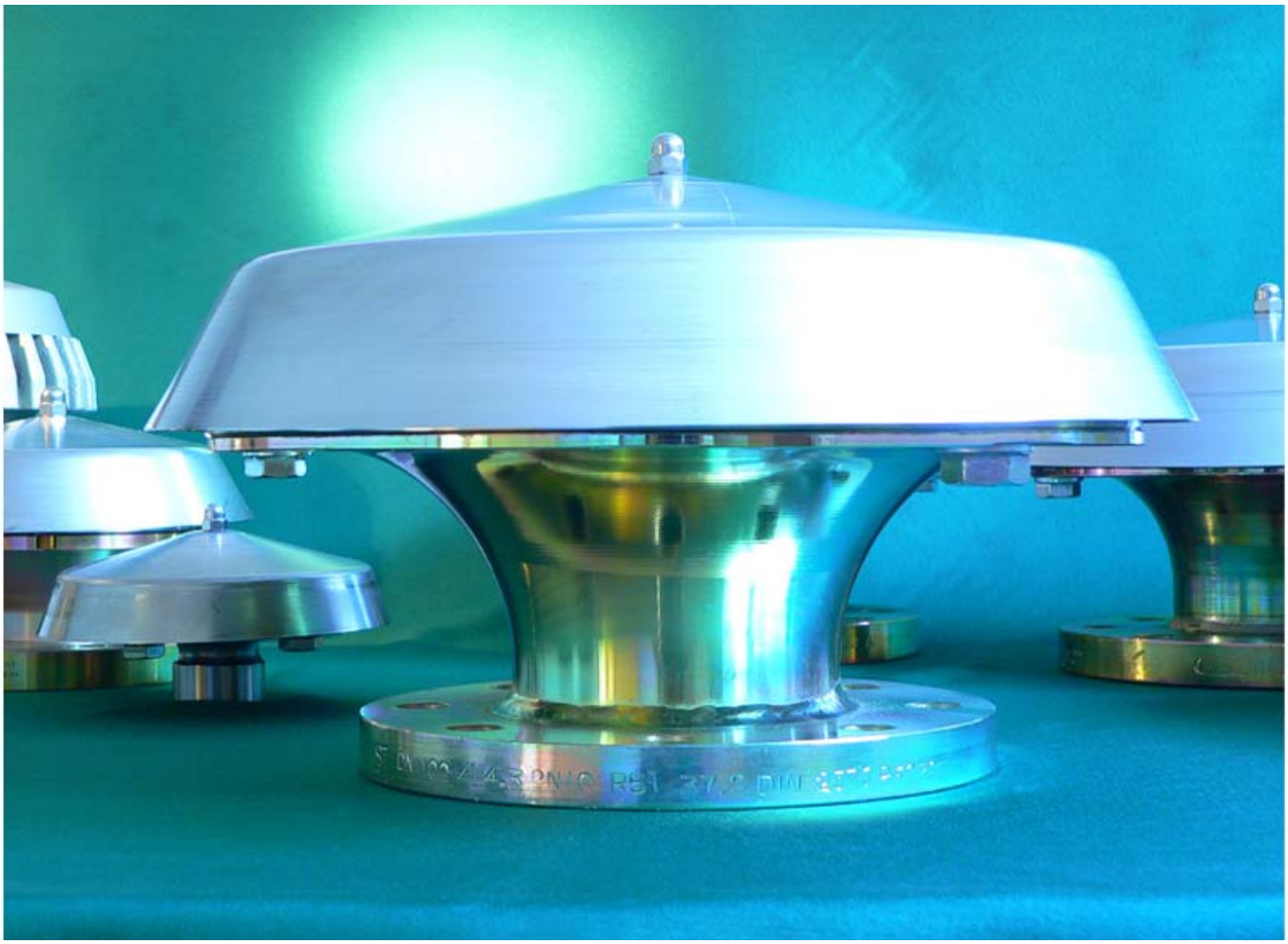


Hydrocarbons only

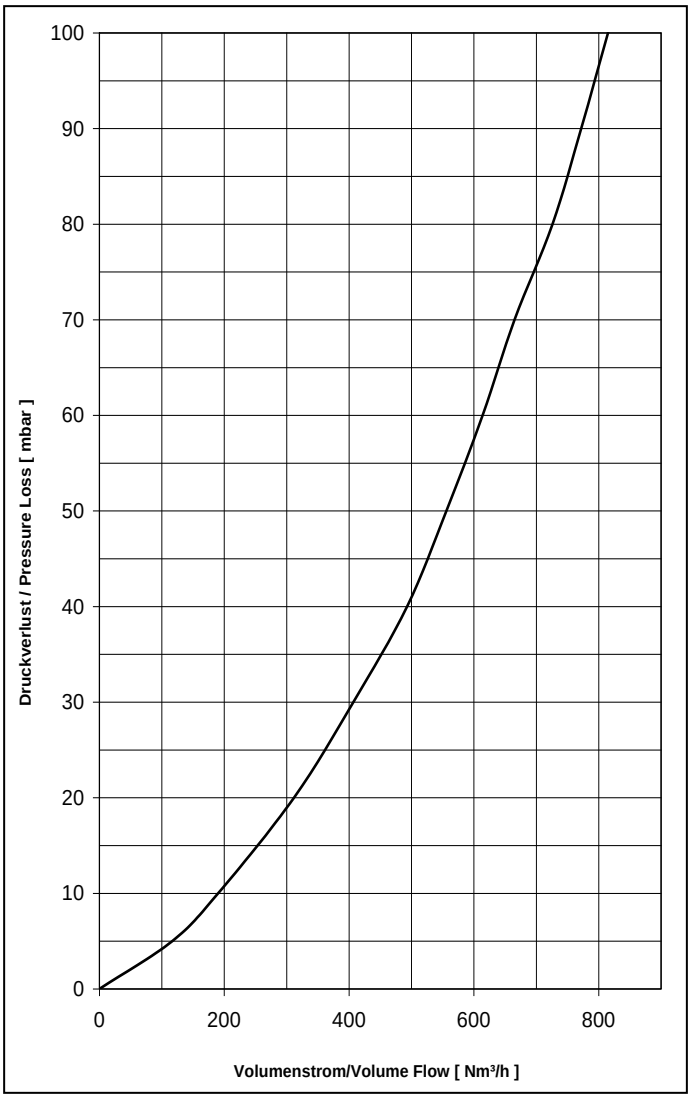
Explosion Group	DN32 1 1/4"	DN40 1 1/2"	DN50 2"
IIA	P. 3	P. 5	P. 7
IIB3	P. 4	P. 6	P. 8

Approved for E85 (ethanol/gasoline mixtures containing maximum 90Vol% ethanol)

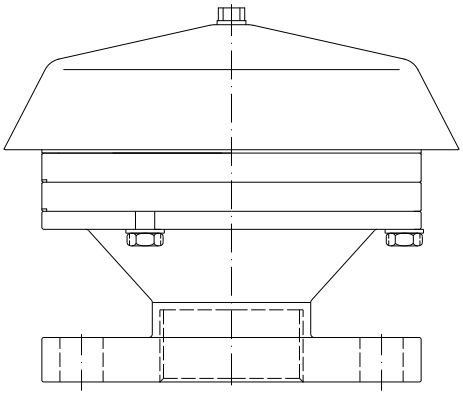
Explosion Group	DN32 1 1/4"	DN40 1 1/2"	DN50 2"
IIA	P. 9	P. 10	P. 11

End of line deflagration flame arrester (Suitable for endurance burning): 1018-0001-40

EC design test certificate no.	:	**IBExU 09 ATEX 2159 X**
Standard gap (MESG)	:	**>= 0,90 mm**
Explosion group	:	**G IIA**
Operating direction	:	
Flange connection	:	**EN1092-1(DIN2576) PN10(16)**
Thread connection	:	**G1 1/2" innen/internal ISO228-1**
Weight	:	**~ 7,9 kg**



Pressure loss
Medium Air
po = 1013 mbar, To = 273K, density = 1,293 kg/m³



Material

Housing
V4A/AISI 316 range

Flame Arrester Element
1.4571 / AISI 316 Ti

Operating Data

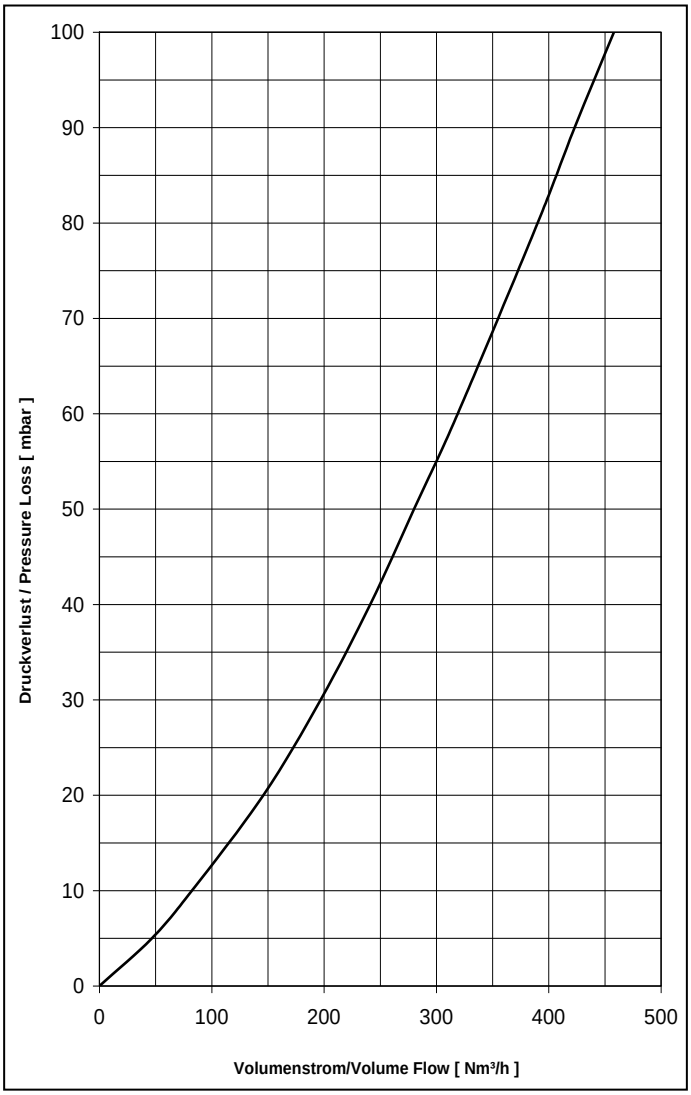
Type	:	DEF
Absolute pressure	:	≤ 1,1 bar
Temperature	:	≤ 60,0 °C
Nominal pipe size	:	≤ DN40

Approved for endurance burning of **pure** hydrocarbon chemicals.
Not approved for chemicals e.g. alcohols, ketones, amine etc. !

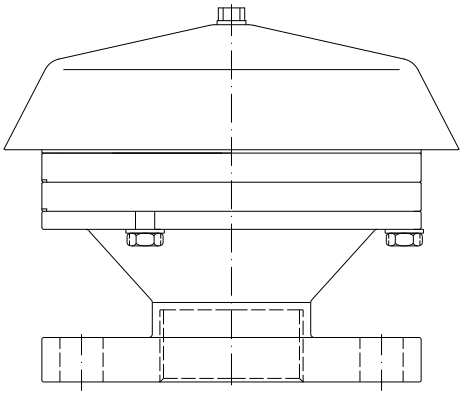
Issue: 19.09.2016

End of line deflagration flame arrester (Suitable for endurance burning): 1018-0002-20

EC design test certificate no.	:	**IBExU 10 ATEX 2139 X**
Standard gap (MESG)	:	**>= 0,65 mm**
Explosion group	:	**Ex G IIB3**
Operating direction	:	
Flange connection	:	**EN1092-1(DIN2576) PN10(16)**
Thread connection	:	**G11/2" innen/internal ISO228-1**
Weight	:	**~ 5,6 kg**



Pressure loss
Medium Air
po = 1013 mbar, To = 273K, density = 1,293 kg/m³



Material

Housing
V2A/Stainless steel

Flame Arrester Element
1.4571 / AISI 316 Ti

Operating Data

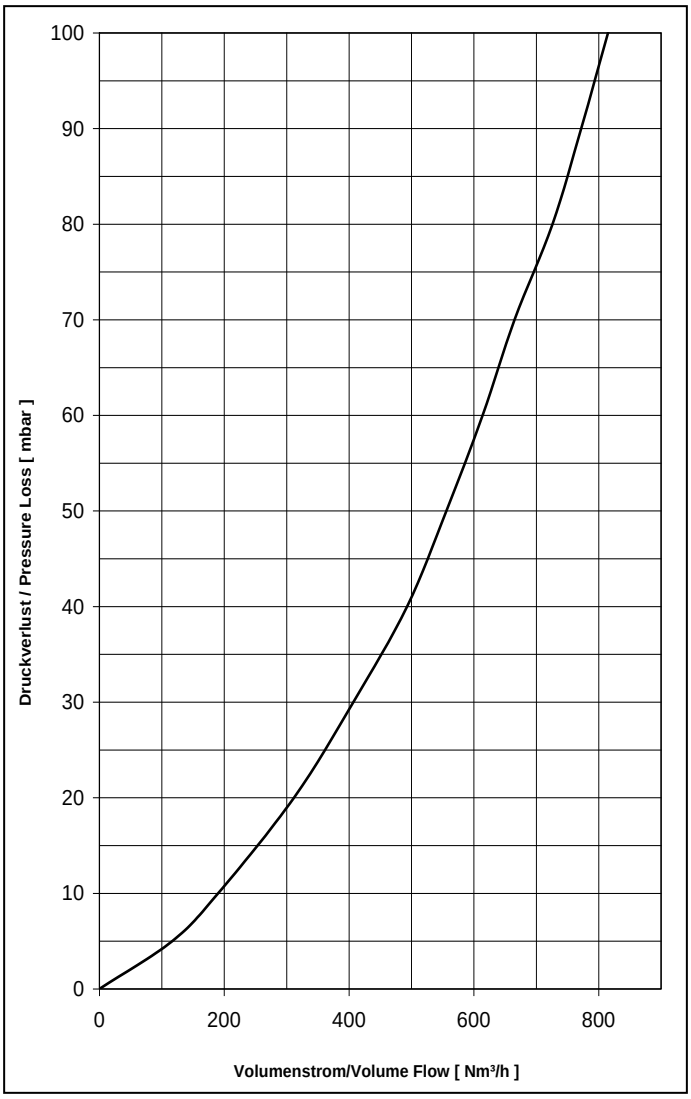
Type	:	DEF
Absolute pressure	:	≤ 1,1 bar
Temperature	:	≤ 60,0 °C
Nominal pipe size	:	≤ DN40

Approved for endurance burning of **pure** hydrocarbon chemicals.
Not approved for chemicals e.g. alcohols, ketones, amine etc. !

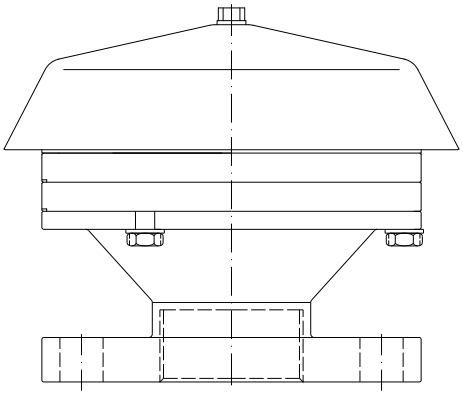
Issue: 20.10.2016

End of line deflagration flame arrester (Suitable for endurance burning): 1018-0001-40

EC design test certificate no.	:	**IBExU 09 ATEX 2159 X**
Standard gap (MESG)	:	**>= 0,90 mm**
Explosion group	:	**G IIA**
Operating direction	:	
Flange connection	:	**EN1092-1(DIN2576) PN10(16)**
Thread connection	:	**G1 1/2" innen/internal ISO228-1**
Weight	:	**~ 7,9 kg**



Pressure loss
Medium Air
po = 1013 mbar, To = 273K, density = 1,293 kg/m³



Material

Housing
V4A/AISI 316 range

Flame Arrester Element
1.4571 / AISI 316 Ti

Operating Data

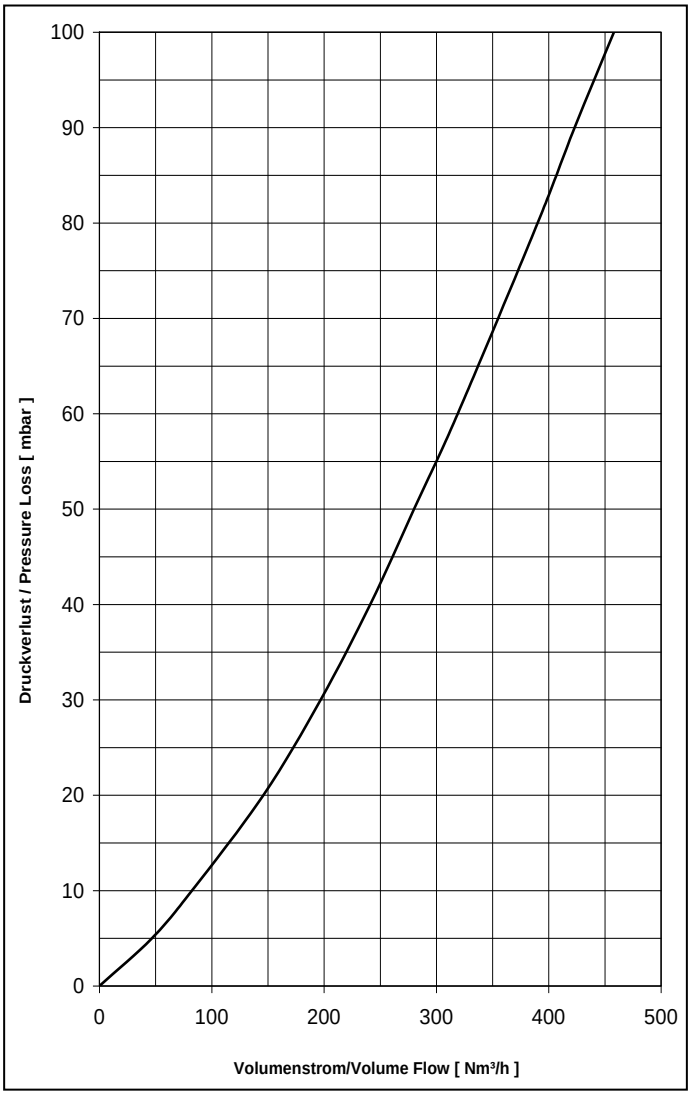
Type	:	DEF
Absolute pressure	:	≤ 1,1 bar
Temperature	:	≤ 60,0 °C
Nominal pipe size	:	≤ DN40

Approved for endurance burning of **pure** hydrocarbon chemicals.
Not approved for chemicals e.g. alcohols, ketones, amine etc. !

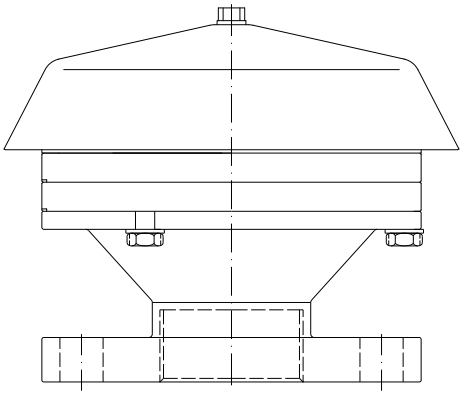
Issue: 19.09.2016

End of line deflagration flame arrester (Suitable for endurance burning): 1018-0002-20

EC design test certificate no.	:	**IBExU 10 ATEX 2139 X**
Standard gap (MESG)	:	**>= 0,65 mm**
Explosion group	:	**G IIB3**
Operating direction	:	
Flange connection	:	**EN1092-1(DIN2576) PN10(16)**
Thread connection	:	**G11/2" innen/internal ISO228-1**
Weight	:	**~ 5,6 kg**



Pressure loss
Medium Air
po = 1013 mbar, To = 273K, density = 1,293 kg/m³



Material

Housing
V2A/Stainless steel

Flame Arrester Element
1.4571 / AISI 316 Ti

Operating Data

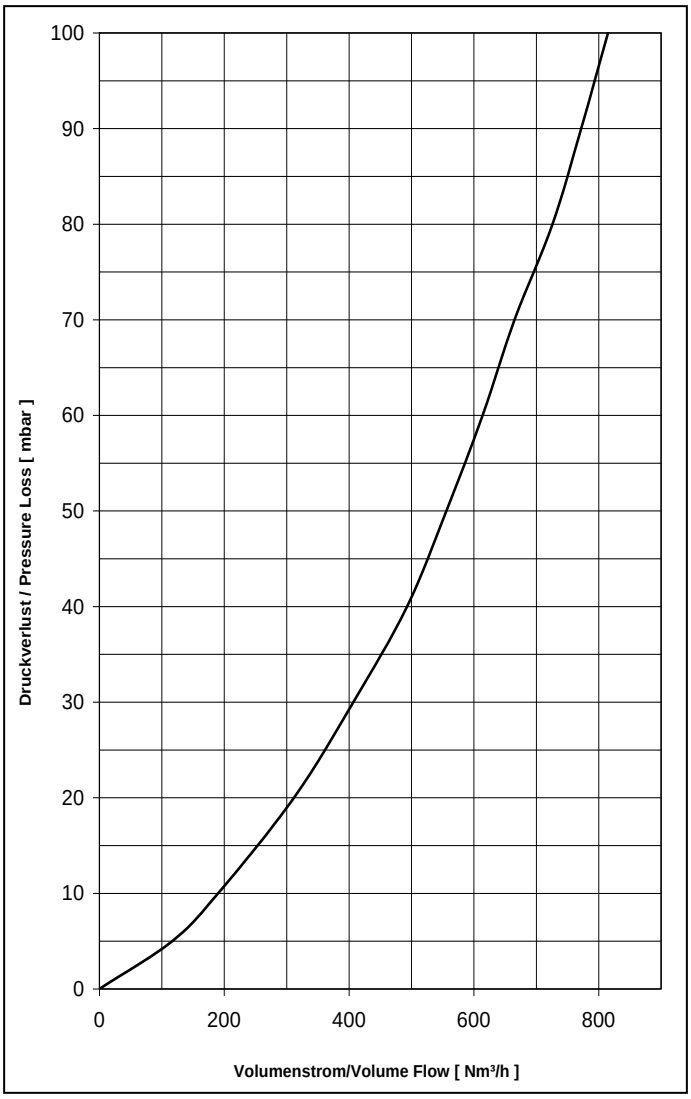
Type	:	DEF
Absolute pressure	:	≤ 1,1 bar
Temperature	:	≤ 60,0 °C
Nominal pipe size	:	≤ DN40

Approved for endurance burning of **pure** hydrocarbon chemicals.
Not approved for chemicals e.g. alcohols, ketones, amine etc. !

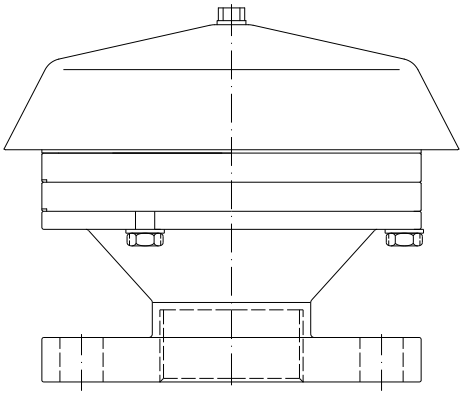
Issue: 20.10.2016

End of line deflagration flame arrester (Suitable for endurance burning): 1018-0001-70

EC design test certificate no.	:	**IBExU 09 ATEX 2159 X**
Standard gap (MESG)	:	**>= 0,90 mm**
Explosion group	:	**G IIA**
Operating direction	:	
Flange connection	:	**EN1092-1(DIN2576) PN10(16)**
Thread connection	:	**G2" innen/internal ISO228-1**
Weight	:	**~ 8,2 kg**



Pressure loss
Medium Air
po = 1013 mbar, To = 273K, density = 1,293 kg/m³



Material

Housing
V4A/AISI 316 range

Flame Arrester Element
1.4571 / AISI 316 Ti

Operating Data

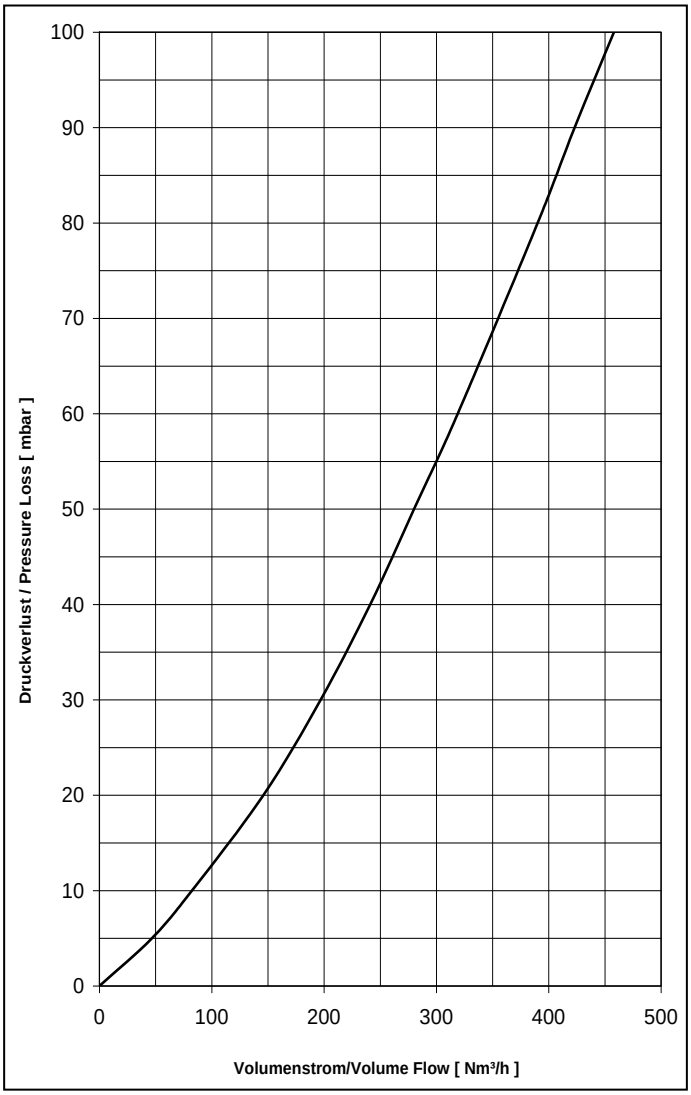
Type	:	DEF
Absolute pressure	:	≤ 1,1 bar
Temperature	:	≤ 60,0 °C
Nominal pipe size	:	≤ DN50

Approved for endurance burning of **pure** hydrocarbon chemicals.
Not approved for chemicals e.g. alcohols, ketones, amine etc. !

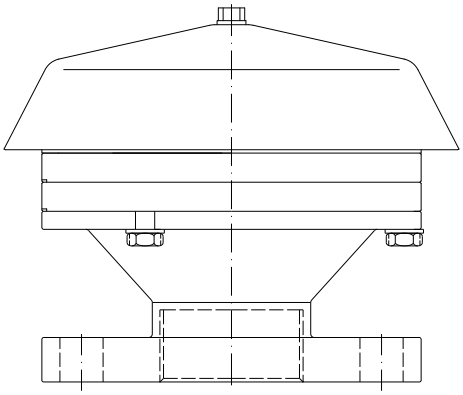
Issue: 19.09.2016

End of line deflagration flame arrester (Suitable for endurance burning): 1018-0002-70

EC design test certificate no.	:	**IBExU 10 ATEX 2139 X**
Standard gap (MESG)	:	**>= 0,65 mm**
Explosion group	:	**Ex G IIB3**
Operating direction	:	
Flange connection	:	**EN1092-1(DIN2576) PN10(16)**
Thread connection	:	**G2" innen/internal ISO228-1**
Weight	:	**~ 8,2 kg**



Pressure loss
Medium Air
po = 1013 mbar, To = 273K, density = 1,293 kg/m³



Material

Housing
V4A/AISI 316 range

Flame Arrester Element
1.4571 / AISI 316 Ti

Operating Data

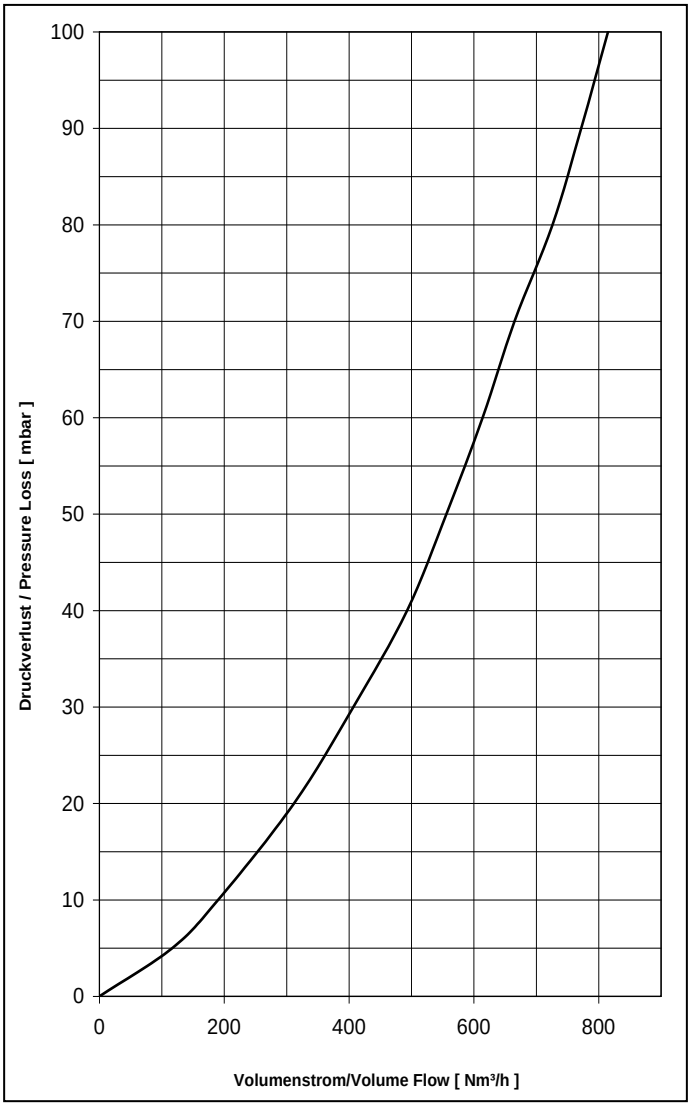
Type	:	DEF
Absolute pressure	:	≤ 1,1 bar
Temperature	:	≤ 60,0 °C
Nominal pipe size	:	≤ DN50

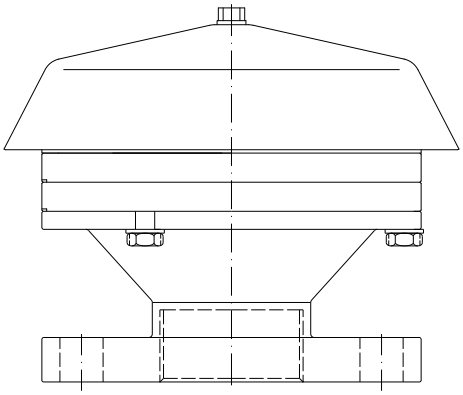
Approved for endurance burning of **pure** hydrocarbon chemicals.
Not approved for chemicals e.g. alcohols, ketones, amine etc. !

Issue: 20.10.2016

End of line deflagration flame arrester (Suitable for endurance burning): 1018-0085-00

EC design test certificate no.	:	**IBExU 09 ATEX 2160 X**
Standard gap (MESG)	:	**>= 0,90 mm**
Explosion group	:	**G E85**
Operating direction	:	
Flange connection	:	**EN1092-1(DIN2576) PN10(16)**
Thread connection	:	**G2" innen/internal ISO228-1**
Weight	:	**~ 5,6 kg**





Material

Housing
V2A/Stainless steel+Alumium eloxiert/anodised

Flame Arrester Element
1.4571 / AISI 316 Ti

Operating Data

Type	:	DEF
Absolute pressure	:	≤ 1,1 bar
Temperature	:	≤ 60,0 °C
Nominal pipe size	:	≤ DN50

Endurance burning with pure hydrocarbons and ethanol / gasoline (EN 228) mixtures containing maximum 90Vol% ethanol.

Pressure loss
Medium Air
po = 1013 mbar, To = 273K, density = 1,293 kg/m³

Issue: 20.10.2016