

1100 SERIES



EN ISO 5175-1

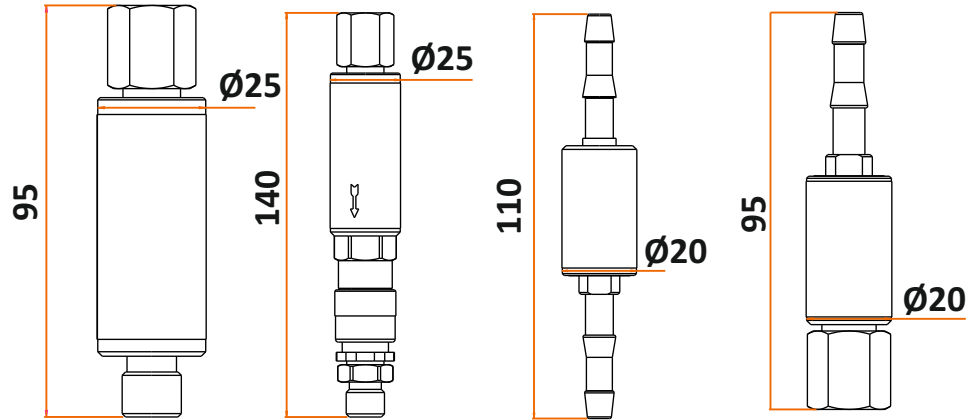


Flash back is the combustion of a flame directly to the gas source such as gas cylinder, tank, hose or the manifold during oxy-fuel welding and cutting operations.

Flashback arrestor is a special gas safety device which stops the flame by blocking the gas flow or stops reverse flow of gas back up into the equipment or supply line. It prevents the user and equipment from damage or explosions.

Features

- Designed following EN ISO 5175-1
- Brass connection part and body
- Stainless Steel Sintered Filter
- Certificated from APRAGAZ
- Stainless Steel Connections for Quick Coupling



Refence Standards

- EN ISO 5175-1** : Gas welding equipment - Safety devices - Part 1: Devices incorporating a flame (flashback) arrestor
EN ISO 9539 : Gas welding equipment - Materials for equipment used in gas welding, cutting and allied processes
EN ISO 9090 : Gas tightness of equipment for gas welding and allied processes.

Technical Specifications

PARTS OF A FLASHBACK ARRESTOR

•Thermal valve:

Thermal Valve is used to eliminate heat build-up in a closed loop by-pass system when gas is being returned to the pump inlet. Thermal Valves can only be installed when there is a pressurized pump inlet. During recirculation of by-pass liquid, the thermal valve will detect temperature rises in the liquid. If the set temperature is reached, a bleed port dumps a portion of the over-heated fluid.

•FA Sintered Stainless Filter:

Prevent reverse flame flow.

•NV Check Valve

Prevent reverse gas flow.

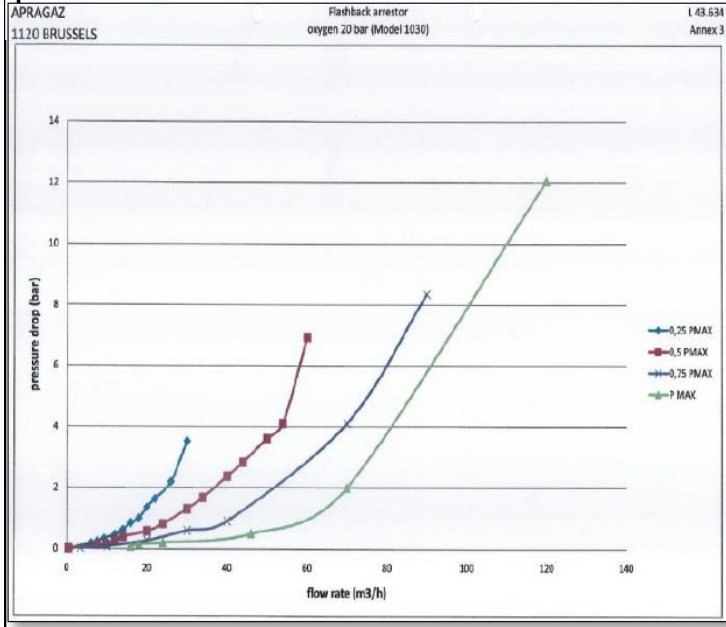
World of Welders

YILDIZ GAZ ARMATÜRLERİ SANAYİ VE TİCARET A.Ş.

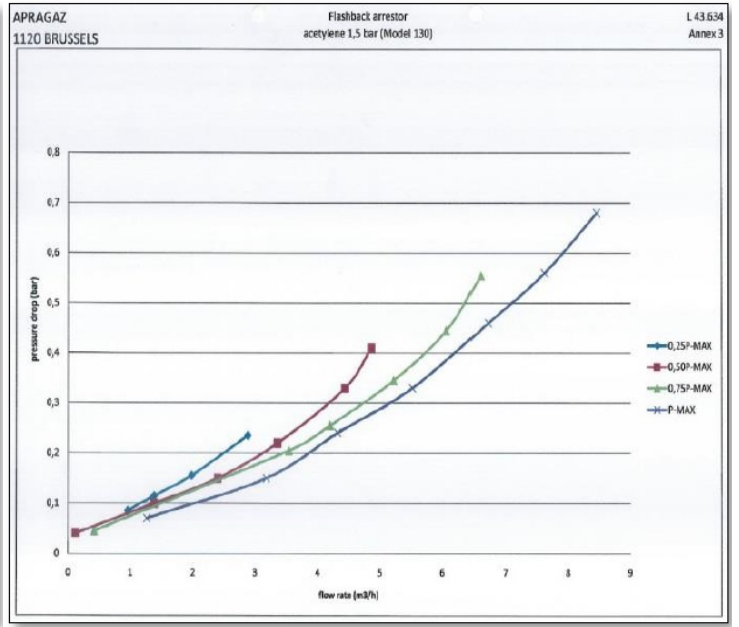
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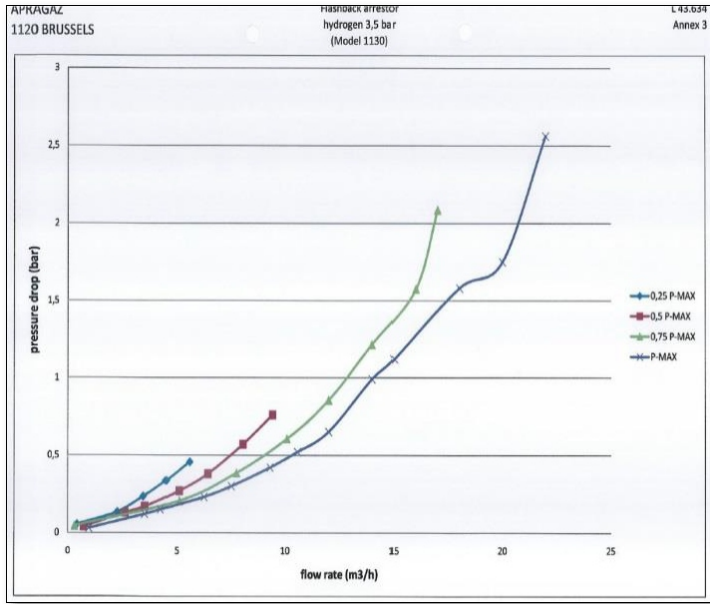
1030 Oxygen 20 bar



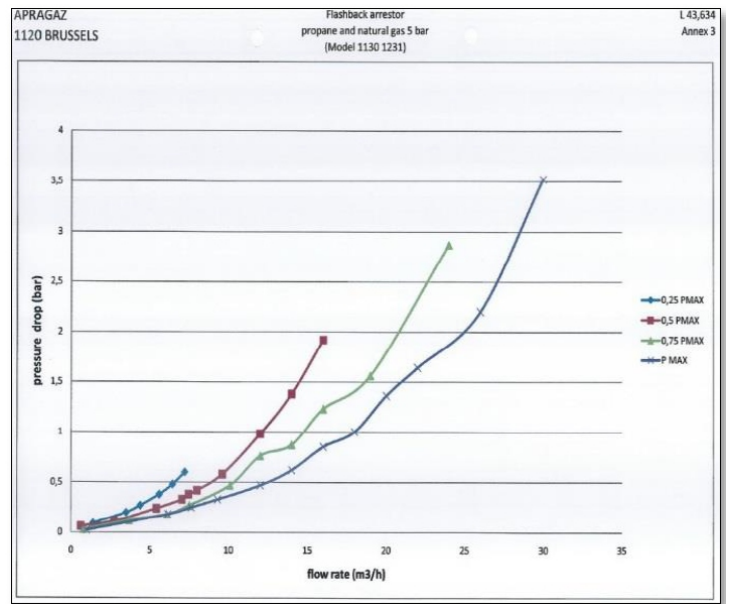
1130 Acetylene 1,5 bar



1130 Hydrogen 3,5 bar

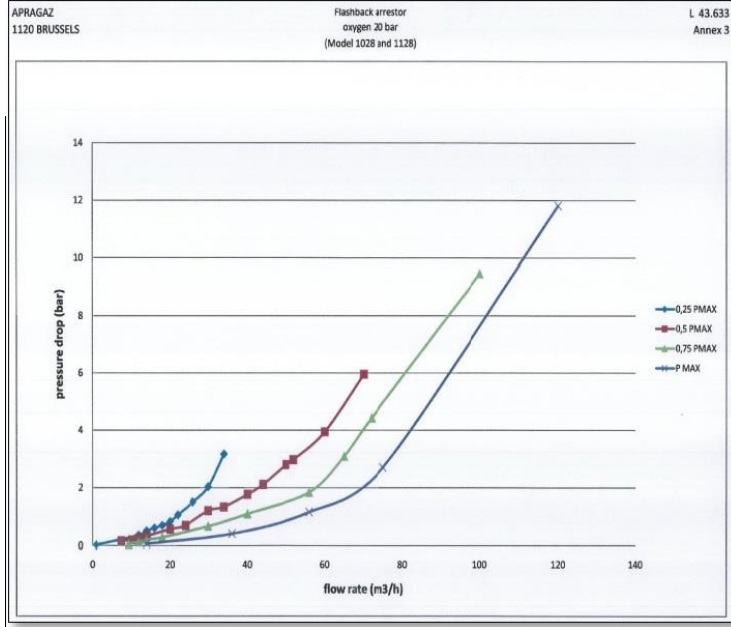


1130 Propane-Natural Gas 5 bar

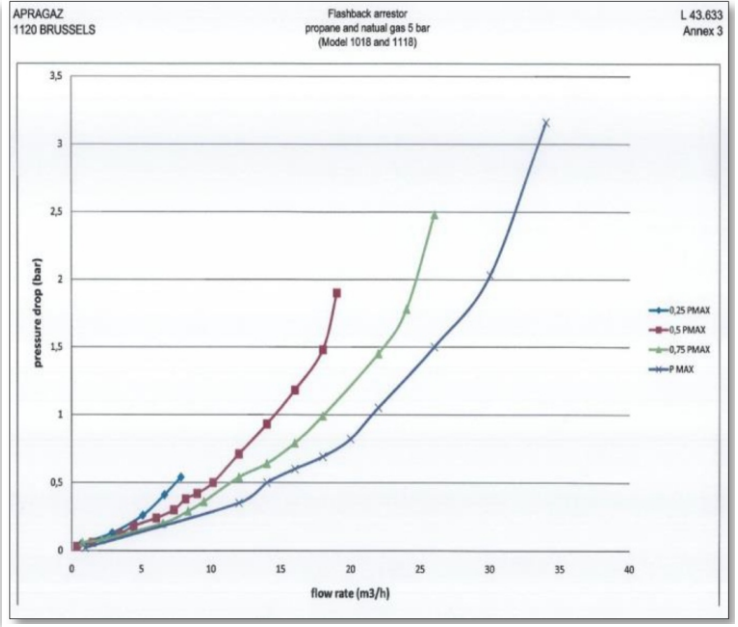


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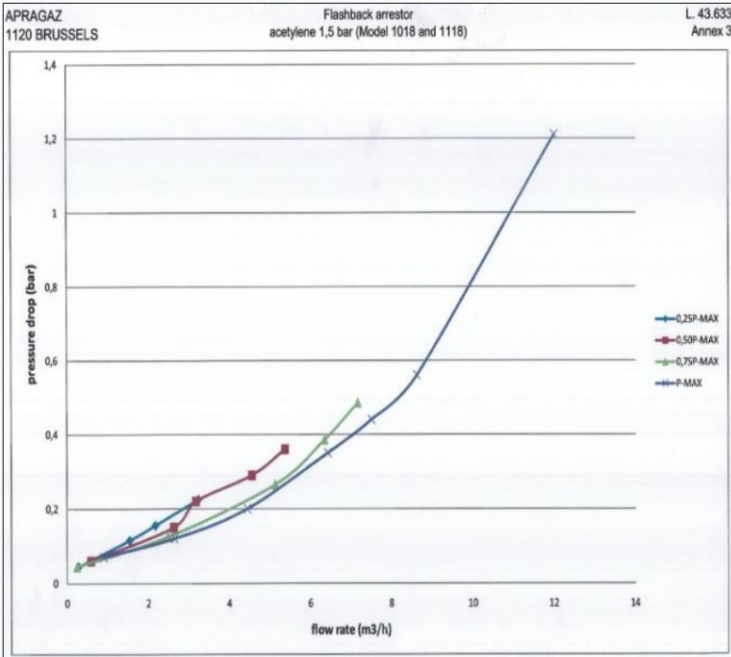
1028-1128 Oxygen 20 bar



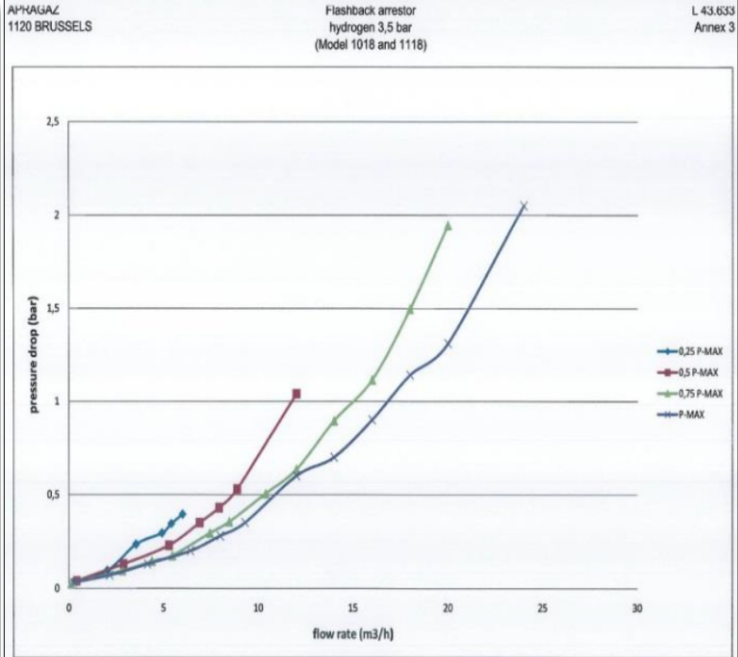
1018-1118 Propane - Natural Gas 5 bar



1018-1118 Acetylene 1,5 bar



1018-1118 Hydrogen 3,5 bar



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Technical Specifications

Product	Gas Type	Standard	Used For	Inlet Connection	Outlet Connection	Working Pressure	Flow Rate
1018	Acetylene	EN ISO 5175 -1	Hose	6,3 mm	6,3 mm	1,5 bar	10 m ³ /h
	Propane					5 bar	40 m ³ /h
	Hydrogen					3,5 bar	76 m ³ /h
	Natural gas					5 bar	62m ³ /h
1028	Oxygen		Pressure Regulator	G 3/8 "	G 3/8 "	20 bar	95 m ³ /h
1030	Oxygen					20 bar	95 m ³ /h
1030-1	Oxygen					20 bar	95 m ³ /h
1118	Acetylene		Torch	6,3 mm	G 3/8 " L	1,5 bar	10 m ³ /h
	Propane					5 bar	40 m ³ /h
	Hydrogen					3,5 bar	76 m ³ /h
	Natural gas					5 bar	62m ³ /h
1128	Oxygen		Pressure Regulator	G 3/8 " L	G 3/8 " L	20 bar	95 m ³ /h
1130	Acetylene					1,5 bar	10 m ³ /h
	Propane					5 bar	40 m ³ /h
	Hydrogen					3,5 bar	76 m ³ /h
	Natural gas					5 bar	62m ³ /h
1130-1	Acetylene			G 1/2 " F	G 1/2 " M	1,5 bar	10 m ³ /h
	Propane					5 bar	40 m ³ /h
	Hydrogen					3,5 bar	76 m ³ /h
	Natural gas					5 bar	62m ³ /h
1218	Acetylene	EN ISO 5175 -1	Torch	8 mm	UNF 9/16 " L	1,5 bar	10 m ³ /h
	Propane					5 bar	40 m ³ /h
	Hydrogen					3,5 bar	76 m ³ /h
	Natural gas					5 bar	62 m ³ /h
1228	Oxygen				UNF 9/16 "	20 bar	95 m ³ /h

Certificate

- APRAGAZ (Certificate Authority Located in Belgium)
- CE (Conformity Europe)



APRAGAZ Ministry of CECC

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Fax: 32 (0)2 264 03 04
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APPROVAL CERTIFICATE
In accordance with the European standard EN ISO 5175-1 (2017) -
« Gas welding equipment - Safety device »

Certificate N° 11070260-1-REV 0

Manufacturer: YILDIZ GAZ ARMATÜRLERİ
Address: Akcaburgaz Mah. 137. Sok. No:5
34522 ESENYURT - İSTANBUL
TURKEY

Device description: Non-return, flame, temperature cut-off and flashback arresters
Type: Series 1028, 1128 and 1228

Models references:
- Safety device for oxygen gas - Model 1028 - with a maximum working pressure of 20 bar
- Safety device for acetylene, hydrogen and natural gases - Model 1128 - with a maximum working pressure of 5 bar
- Safety device for propane gas - Model 1228 - with a maximum working pressure of 5 bar

The manufacturer is allowed to use the mark « EN ISO 5175-1 » as the approved equipment described here above.
The results of the approval tests according to the requirements of the European standard EN ISO 5175-1 (EN ISO 5175-1) are described in our reports issued « 03/04/2022 ».

Marking:
The approved equipment will be clearly and permanently marked on the safety equipment with the following information:
- The number of the standard EN ISO 5175-1
- The name or trade mark of the manufacturer and/or distributor
- The model designation or code number
- The direction of normal gas flow
- The name of the gas intended for use or its abbreviation
- The maximum operating pressure, i.e., expressed in bar
- Indication of the safety function incorporated in the device FA, RV and TV.

The manufacturer is allowed to put these marks only on the approved models.
Each modification to the prototypes must be reported to us in order to examine if the present certificate remains valid.
The approval is valid until June 2021.

Date: 04/03/2021 Name: B. NEVE Position: General Manager
Notified Body Stamp: APRAGAZ YOWASSEL
Notified Body Reference: L 11063864
P0072007

APRAGAZ Ministry of CECC

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Address: Akcaburgaz Mah. 137. Sok. No:5
34522 ESENYURT - İSTANBUL
TURKEY

Device description: Non-return, flame, temperature cut-off and flashback arresters
Type: Series 1028, 1128 and 1138

Models references:
- Safety device for oxygen gas - Model 1028 - with a maximum working pressure of 20 bar
- Safety device for oxygen gases - Model 1128 - with a maximum working pressure of 20 bar
- Safety device for acetylene, hydrogen and natural gases - Model 1138 - with a maximum working pressure of 5 bar
- Safety device for acetylene, hydrogen and natural gases - Model 1138 - with a maximum working pressure of 5 bar

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- The maximum operating pressure, i.e., expressed in bar
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Date: 04/03/2021 Name: B. NEVE Position: General Manager
Notified Body Stamp: APRAGAZ YOWASSEL
Notified Body Reference: L 11063864
P0072007

TÜV AUSTRIA

CERTIFICATE
Certificate registration number: ZST/SWIZE/145

The notified body
TÜV AUSTRIA SERVICES GMBH (identification number 0408)
certifies, that the manufacturer
Yıldız Gaz Armatürleri SAN. TİC. A.Ş.
Akcaburgaz Mah. 137. Sok. No:5 34522
Esenyurt - İstanbul / TURKEY

operates a quality assurance system for design, manufacture, final inspection and testing according to
Annex III of the Pressure Equipment Directive 2014/68/EU which is subject to surveillance by TÜV
AUSTRIA SERVICES GmbH and is therefore authorized to apply the following conformity
assessment procedures according Pressure Equipment Directive 2014/68/EU:
Module E, E1, D, D1, H, H1

Scope: Check Valve, Flashback Arrestor, Gas Line Filters,
Pressure Regulators, Safety Relief Valves

Based on our audit according Annex III of the Pressure Equipment Directive 2014/68/EU carried out
on 17-18.09.2019 we certify compliance with the requirements.

Results of the audit are recorded in audit report 19-05-1379-2019-PED-Modul H1-016, dated
18.09.2019.

Pressure equipment and assemblies within the scope of this certificate shall carry the marking as
illustrated:
CE 0408

This certificate is valid from 04.10.2019 to 03.10.2022, provided that the terms and conditions of
this agreement with the notified body are met.

Vienna, 04.10.2019
Notified Body Stamp: TÜV AUSTRIA SERVICES GMBH
Notified Body Reference: L 11063864
P0072007

Cautions

Without our company's control or information, any change shouldn't have done on pressure regulator. Please read user manual carefully before using the product.

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