Weldclass

FLASHBACK ARRESTORS
MEDIUM FLOW

Updated 08.06.2023

- Conform to AS4603-1999 & EN ISO 5175-1
- Individually Flashback, Flow & Leak Tested
- Independently Certified by Apragaz Laboratory, Belgium
- Medium flow rate, with up to 35% higher flow capacity*, suitable for broad range of applications
- Thermal cut-off valve for protection against sustained flashback (regulator models)
- Manufactured by a team with over 35 years experience in gas equipment engineering

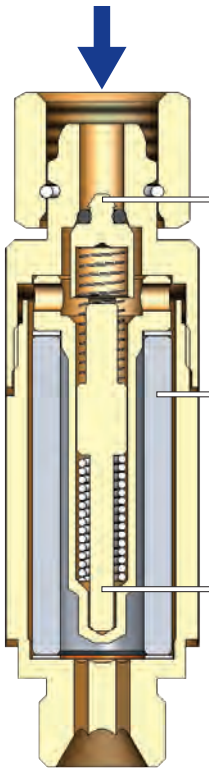
Part No.	For	Gas	Application
P4-FBARF2	Regulator	Acetylene/LPG	Medium flow rate, for general cutting, brazing, gouging and medium-to-heavy heating**
P4-FBARO2	Regulator	Oxygen	
P4-FBATF	Torch	Acetylene/LPG	
P4-FBATO	Torch	Oxygen	

Inlet Pressure Kpa	Flow - M3/Hr		Conversion Factors:
	Torch	Regulator	
50	3.5	3.0	Oxygen = 0.95 Acetylene = 1.05 LPG = 0.80 1M3/Hr = 16.67 L/Min
100	6.8	5.8	
150	9.5	9.5	
500	50	50	
1,000	65	65	
1,500	85	85	
2,000	100	100	

Technical Information	
Country of Manufacture	Turkey
Conformance / Certification / Testing Details:	• Conform to AS4603 – 1999 • Tested & Certified to EN ISO 5175-1 by Apragaz Laboratory, Belgium (see copies of certificates on following pages) • Each flashback arrestor is individually flame, flow & leak tested in the factory
Fittings	5/8 UNF

In the event of a Flashback, a flame burns rapidly 'upstream', generally causing a loud explosion.
If un-checked it can reach the gas bottles/cylinders – and potentially cause a dangerous or even fatal explosion

Direction of Normal Gas Flow



The following functions inside a WELDCLASS Flashback Arrestor work together to block and/or stop a flashback:

Non-Return Valve
Prevents the passage of gas in the opposite direction to normal gas flow.

Flame Arrestor
A sintered stainless-steel filter (which all gas must pass through) - blocks the flame.

Thermal Cut-Off Valve
(Regulator Models only)
If the arrestor over-heats this valve will activate and permanently shut off the flow of gas in any direction. This can occur in the event of repeated or continuous flashback.

*Vs some other brands of standard model arrestors. **Max recommended torch/tip oxygen gas consumption of 500L/min. For very heavy heating applications exceeding this, high-flow arrestors are recommended.

More Info Click Here

AUSTRALIAN SINCE 1979

APRAGAZ

Member of CEOC INTERNATIONAL

Chaussée de Vilvorde, 156
Vilvoordsesteenweg 156
B-1120 Bruxelles/Brussel
Tel.: 32 (0)2 264 03 60
Fax: 32 (0)2 268 89 58
http://www.apragaz.com
info@apragaz.com

APPROVAL CERTIFICATE In accordance with the European standard EN ISO 5175-1 (2017) - « Gas welding equipment – Safety device »	Certificate N° 11/TR/2608-1-REV 0

Manufacturer	Name	Manufacturer Details Redacted for Commercial Confidentiallity.
	Address	

Concerned equipment: Non-return, flame, temperature cut-off and flashback arrestors

Models references:

- Safety device for oxygen gas – Model [A] - with a maximum working pressure of 20 bar
- Safety device for acetylene, hydrogen and natural gases – Model [B] - with a maximum working pressure of 5 bar
- Safety device for propane gas – Model [C] - with a maximum working pressure of 5 bar

A: Weldclass P4-FBARO2

B: Weldclass P4-FBARF2

C: Not sold in Australia

The manufacturer is allowed to fix the Mark « EN ISO 5175-1 » to the approved equipments described here above.
The results of the approval tests according to the requirements of the European standard EN 730-1 (EN ISO 5175-1) are described in our reports referred L.43.634 dated 25.07.2011.

Marking:
The approved equipment will be clearly and permanently marked on the safety equipment with the following information's :

- 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, p_{max}, expressed in bar,
- Indication of the safety functions incorporated in the device **FA, NV 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 2031 *

(*) with condition: no change of the concerned equipment or the applicable standard.

Date : **06/09/2021** Name : **B. NEVE** Position **General Manager**

Signature

Notified Body Stamp : **APRAGAZ VZW/ASBL**

Notified Body Reference : **L 1106/5664**
P6972/004

RP260 rev 0

APRAGAZ

Member of CEOC INTERNATIONAL

Chaussée de Vilvorde, 156
Vilvoordsesteenweg 156
B-1120 Bruxelles/Brussel
Tel.: 32 (0)2 264 03 60
Fax: 32 (0)2 268 89 58
http://www.apragaz.com
info@apragaz.com

APPROVAL CERTIFICATE In accordance with the European standard EN ISO 5175-1 (2017) - « Gas welding equipment – Safety device »	Certificate N° 11/TR/2609-1-REV 0

Manufacturer	Name	Manufacturer Details Redacted for Commercial Confidentiallity.
	Address	

Concerned equipment: **Non-return, flame, temperature cut-off and flashback arrestors**

Models references:

- Safety device for oxygen gas – Model [A] - with a maximum working pressure of 20 bar
- Safety device for oxygen gases – Model [B] - with a maximum working pressure of 20 bar
- Safety device for acetylene, hydrogen and natural gases – Model [C] - with a maximum working pressure of 5 bar
- Safety device for acetylene, hydrogen and natural gases – Model [D] - with a maximum working pressure of 5 bar

A: Not sold in Australia

B: Weldclass P4-FBATO

C: Not sold in Australia

D: Weldclass P4-FBATF

The manufacturer is allowed to fix the Mark « EN ISO 5175-1» to the approved equipments described here above.
The results of the approval tests according to the requirements of the European standard EN 730-1 (EN ISO 5175-1) are described in our reports referred L.43.633 dated 25.07.2011.

Marking:

The approved equipment will be clearly and permanently marked on the safety equipment with the following information's :

- 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, p_{max}, expressed in bar,
- Indication of the safety functions incorporated in the device **FA, NV 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 2031 *

(*) with condition: no change of the product or the applicable standard.

Date : **06/09/2021** Name : **B. NEVE** Position **General Manager**

Signature

Notified Body Stamp : **APRAGAZ VZW/ASBL**

Notified Body Reference : **L.1106/5664**
P6972/007

RP260 rev 0