



World of Welders

Since
1979

FLASHBACK ARRESTOR

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.

A flashback occurs when the following reasons take place;

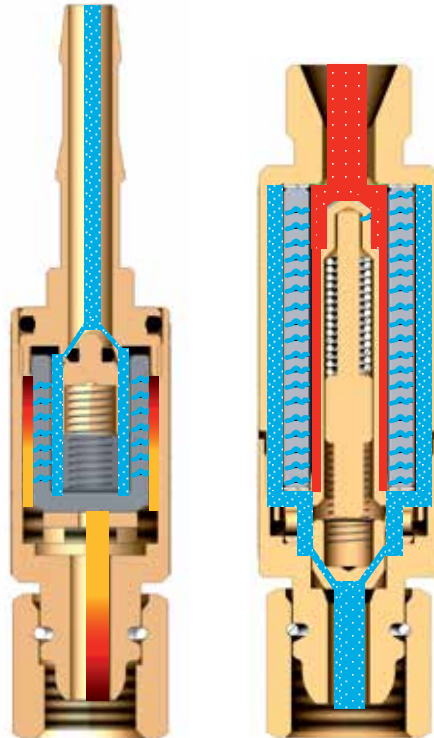
- Damage or misusing of torch.
- As a result of using higher working pressure mistakenly, high pressure oxygen gas passes into the low pressure fuel gas tank.
- In case that incompatible equipments was connected to each other.
- When the oxygen cylinder is empty, fuel gas feeds back the regulator and gas cylinder pipe.
- Untrained and inexperienced users.
- Attempting to make equipment connections without the proper key.
- Using different pressures and different gases which is not suitable for the device.
- Using the device below -20 ° C and above + 70 ° C

FA Sintered Stainless Filter:

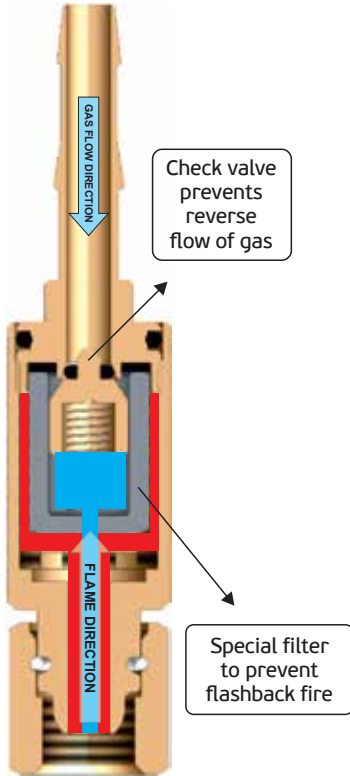
Prevent reverse gas flow.

NV Check Valve ;

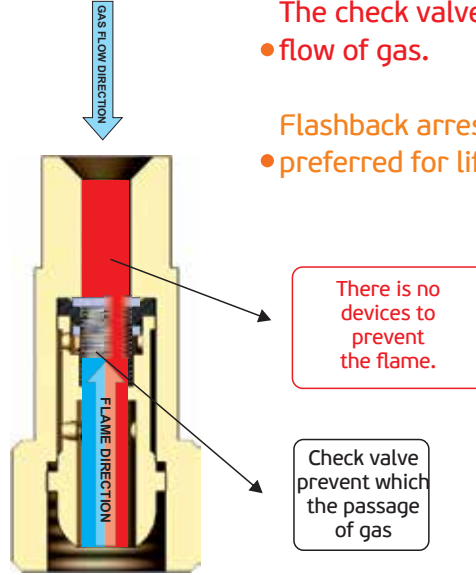
Prevent reverse gas flow.



FLASHBACK ARRESTORS and CHECK VALVES



ALEV EMNİYET VALFİ



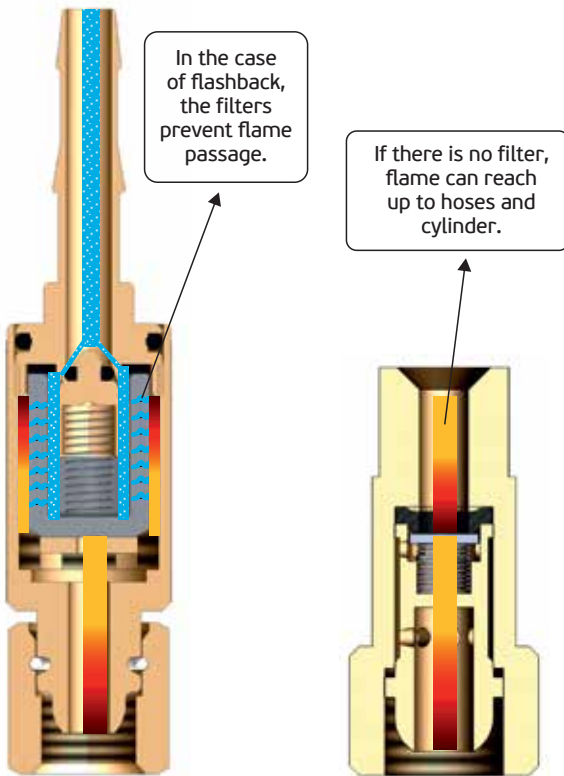
ÇEK VALF

- Flashback arrestor prevent flashback fire and reverse flow of gas.

The check valve prevents only reverse flow of gas.

- Flashback arrestor valves should be preferred for life and property safety.

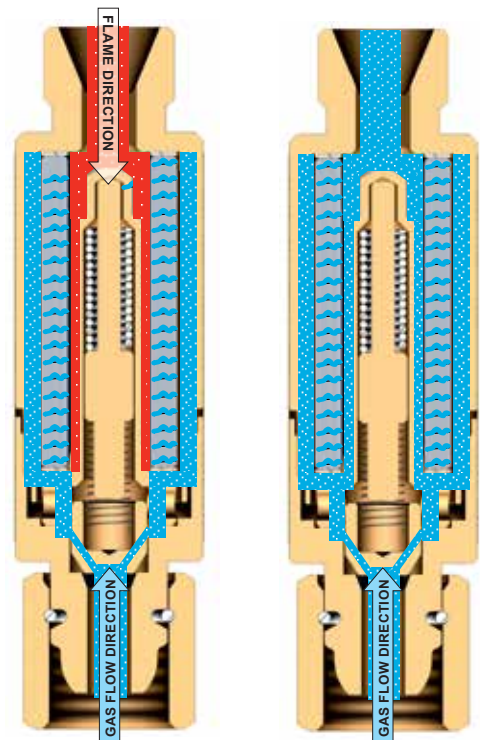
FLASHBACK OF THE FLAME



FLASHBACK ARRESTOR

CHECKVALVES

FLASHBACK ARRESTOR FOR PRESSURE REGULATOR



FEATURES OF QUICK COUPLING FLASHBACK ARRESTOR



Flashback arrestors are safety devices that cut off the gas flow during flashbacks. Quick Coupling flashback arrestors allow easy replacement of welding & cutting equipment and provides shortening of preparation times in production.

Thanks to quick coupling connections, the risks that may occur in the equipment of welding and cutting are minimized. When the connector is removed, the special design of the flashback arrestor ensures that the gas is cut off automatically.

Advantages of quick coupling flashback arrestors produced by YILDIZ Gaz; Double o-ring to ensure full sealing and stainless material is used.

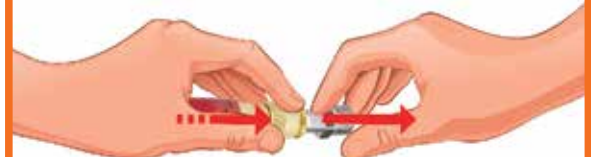
Thanks to the special design of the product, a longer lasting and more reliable sealing is provided. With the production of the nipple made of stainless material, it provides smooth assembly and disassembly processes and ensures protection for a long time.

In order to prevent wrong hose connection by users, EN 561 / ISO 7289 numbered standard, connection conditions; record connection dimensions are designed differently according to Gas Type. In addition, to increase user awareness and to prevent error in assembly by the end user, colored O-ring is used to separate Gas Types.

Nipple / Reduction **Insertion** Process



Nipple / Reduction **Removal** Process



FLASHBACK ARRESTOR FOR REGULATOR (QUICK CONNECTOR)

Order No	Gas Type	Pressure Used	Flow	Gas Inlet Connection	Gas Outlet Connection
1030-Q	Oxygen	20 bar	95 m ³ /h	G 3/8"	G 3/8"
1130-Q	Acetylene	1,5 bar	10 m ³ /h	G 3/8" Left	G 3/8" Left
	Propane	5 bar	40 m ³ /h		
	Hydrogen	3,5 bar	76 m ³ /h		
	Natural Gas	5 bar	62 m ³ /h		

TECHNICAL SPECIALITIES

- Check Valve, Flame Arrestor Safety, Thermal Valve
- The spring in the flashback arrestor does not allow the reverse flow of gas by exerting continuous gas pressure, hence it prevents mixing gases in the hose and gaining an explosive property of gases at low and high pressures


1130-Q

1030-Q

FLASHBACK ARRESTOR FOR TORCH (QUICK CONNECTOR)

Order No	Gas Type	Pressure Used	Flow	Gas Inlet Connection	Gas Outlet Connection
1128-Q	Oxygen	20 bar	95 m ³ /h	Ø 6,3 mm	G 1/4"
1130-Q	Acetylene	1,5 bar	10 m ³ /h		G 3/8" Left
	Propane	5 bar	40 m ³ /h		
	Hydrogen	3,5 bar	76 m ³ /h		
	Natural Gas	5 bar	62 m ³ /h		
1228-Q	Oxygen	20 bar	95 m ³ /h	Ø 8 mm	UNF 9/16"x18
1218-Q	Acetylene	1,5 bar	10 m ³ /h		UNF 9/16"x18 Left
	Propane	5 bar	40 m ³ /h		
	Hydrogen	3,5 bar	76 m ³ /h		
	Natural Gas	5 bar	62 m ³ /h		


1118-Q

1128-Q

TECHNICAL SPECIALITIES

- Check Valve, Flame Arrestor Safety,
- Flashback arrestor for back of torch (quick connector).

QUICK CONNECTOR (QUICK COUPLING)

Order No	Gas Type	Pressure Used	Gas Inlet Connection	Gas Outlet Connection
30 1530 908-QT	Argon CO ₂	1530-QT	Connector	Ø 6,3 mm
		1530-Q		
		1430-Q		


**QUICK CONNECTOR
(FOR PRESSURE REGULATOR PRODUCTS)**

Order No	Gas Type	Pressure Used	Gas Inlet Connection	Gas Outlet Connection
30 1030 907-Q	Oxygen	1030-Q	Reduction	G 3/8"
30 1130 907-Q	Flammable Gas	1130-Q		G 3/8" Left


**QUICK CONNECTOR
(FOR TORCH PRODUCTS)**

Order No	Gas Type	Pressure Used	Gas Inlet Connection	Gas Outlet Connection
30 1128 903-Q	Oxygen	1128-Q	Nut + Connector	G1/4"
30 1118 903-Q	Flammable Gas	1118-Q		G3/8" Left
30 1228 903-Q	Oxygen	1228-Q		UNF9/16"x18
30 1218 903-Q	Flammable Gas	1218-Q		UNF9/16"x18 Left


**QUICK CONNECTOR
(FOR LINE TYPE PRODUCTS)**

Order No	Gas Type	Pressure Used	Gas Inlet Connection	Gas Outlet Connection
30 1030 908-QT	Oxygen	1030-QT	Connector	Ø 6,3 mm
30 1130 908-QT	Flammable Gas	1130-QT		



PRESSURE REGULATOR FLASHBACK ARRESTORS

Order No	Gas Type	Pressure Used	Flow	Gas Inlet Connection	Gas Outlet Connection
1030	Oxygen	20 bar	95 m ³ /h	G 3/8"	G 3/8"
1130	Acetylene	1,5 bar	10 m ³ /h	G 3/8" Left	G 3/8" Left
	Propane	5 bar	40 m ³ /h		
	Hydrogen	3,5 bar	76 m ³ /h		
	Natural Gas	5 bar	62 m ³ /h		

TECHNICAL SPECIALITIES

- Check Valve, Flame Arrestor Safety, Thermal Valve
- Compliance with EN ISO 5175-1 (APRAGAZ)
- The spring in the flashback arrestor does not allow the reverse flow of gas by exerting continuous gas pressure, hence it prevents mixing gases in the hose and gaining an explosive property of gases at low and high pressures.


1030
PRESSURE REGULATOR FLASHBACK ARRESTORS

Order No	Gas Type	Pressure Used	Flow	Gas Inlet Connection	Gas Outlet Connection
1030-1	Oxygen	20 bar	95 m ³ /h	G 1/2" Out	G 1/2" In
1130-1	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	62 m ³ /h		

TECHNICAL SPECIALITIES

- Check Valve, Flame Arrestor Safety, Thermal Valve
- Compliance with EN ISO 5175-1 (APRAGAZ)
- The spring in the flashback arrestor does not allow the reverse flow of gas by exerting continuous gas pressure, hence it prevents mixing gases in the hose and gaining an explosive property of gases at low and high pressures.


1130-1
**1030-1 and 1130-1 QUICK COUPLING
FLASHBACK ARRESTORS**

Order No	Gas Type	Pressure Used	Gas Inlet Connection	Gas Outlet Connection
30 1030 900-1-Q	Oxygen	1030-1	Connector	Ø 6,3 mm
30 1130 900-1-Q	Flammable Gas	1130-1		



PRESSURE REDUCING FLAME SAFETY VALVE

Order No	Gas Type	Pressure Used	Flow	Gas Inlet Connection	Gas Outlet Connection
1118	Acetylene	1,5 bar	10 m ³ /h	Ø 6,3 mm	G 3/8" Left
	Propane	5 bar	40 m ³ /h		G 3/8" Left
	Hydrogen	3,5 bar	76 m ³ /h		G 3/8" Left
	Natural Gas	5 bar	62 m ³ /h		G 3/8" Left
1128	Oxygen	20 bar	95 m ³ /h		G 1/4"
1218	Acetylene	1,5 bar	10 m ³ /h		UNF 9/16" Left
	Propane	5 bar	40 m ³ /h		UNF 9/16" Left
	Hydrogen	3,5 bar	76 m ³ /h		UNF 9/16" Left
	Natural Gas	5 bar	62 m ³ /h		UNF 9/16" Left
1228	Oxygen	20 bar	95 m ³ /h		UNF 9/16"

TECHNICAL SPECIALITIES

- Check valve, Flashback Arrestor safety device
- Compliance with EN ISO 5175-1 (APRAGAZ)
- The spring in the flashback arrestor does not allow the reverse flow of gas by exerting continuous gas pressure. So, it prevents mixing gases in the hose and gaining an explosive property of gases at low and high pressures. The gas flow pressure lifts the valve spring on the valve to open the valve and allow the gas to flow towards the cutting torch.
- The special flame-trap filter by made of sintered chrome-nickel in the safety valve keeps flaming backlash from the cutting torch.



1118



1128



FOR HOSES FLAME SAFETY VALVE

Order No	Gas Type	Pressure Used	Flow	Gas Inlet Connection	Gas Outlet Connection
1018	Acetylene	1,5 bar	10 m ³ /h	6,3 mm	6,3 mm
	Propane	5 bar	40 m ³ /h		
	Hydrogen	3,5 bar	76 m ³ /h		
	Natural Gas	5 bar	62 m ³ /h		
1028	Oxygen	20 bar	95 m ³ /h		

TECHNICAL SPECIALITIES

- Check valve, Flashback Arrestor safety device
- Compliance with EN ISO 5175-1 (APRAGAZ)
- The spring in the flashback arrestor does not allow the reverse flow of gas by exerting continuous gas pressure. So, it prevents mixing gases in the hose and gaining an explosive property of gases at low and high pressures. The gas flow pressure lifts the valve spring on the valve to open the valve and allow the gas to flow towards the cutting torch.
- For hoses flame safety valve are used when Flame Safety Valves can not be connected to the cutting torch.



1018



1028

LINE FLASHBACK ARRESTORS (QUICK COUPLING CONNECTOR)

Order No	Gas Type	Pressure Used	Flow	Gas Inlet Connection	Gas Outlet Connection
1030-QT	Oxygen	20 bar	95 m ³ /h	G 1/2" Out	Ø 6,3 mm
1130-QT	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	62 m ³ /h		

TEKNİK ÖZELLİKLER

- Check Valve, Flame Arrestor Safety, Thermal Valve
- Compliance with EN ISO 5175-1 (APRAGAZ)
- The spring in the flashback arrestor does not allow the reverse flow of gas by exerting continuous gas pressure, hence it prevents mixing gases in the hose and gaining an explosive property of gases at low and high pressures.



1130-QT



1030-QT

PRESSURE REGULATOR FLASHBACK ARRESTORS

Order No	Gas Type	Pressure Used	Flow	Gas Inlet Connection	Gas Outlet Connection
3001-9248	Acetylene	1,5 bar	10 m ³ /h	G 3/8" Left	G 3/8" Left
	Propane	5 bar	25 m ³ /h	G 3/8" Left	G 3/8" Left
	Natural Gas	5 bar	35 m ³ /h	G 3/8" Left	G 3/8" Left
3001-9247	Oxygen	15 bar	76 m ³ /h	G 3/8"	G 3/8"


3001-9247

3001-9248
PRESSURE REGULATOR FLASHBACK ARRESTORS

Order No	Gas Type	Pressure Used	Flow	Gas Inlet Connection	Gas Outlet Connection
3001-9264	Acetylene	1,5 bar	24 m ³ /h	G 3/8" Left	G 3/8" Left
	Propane	5 bar	50 m ³ /h	G 3/8" Left	G 3/8" Left
	Natural Gas	5 bar	68 m ³ /h	G 3/8" Left	G 3/8" Left
3001-9263	Oxygen	15 bar	133 m ³ /h	G 3/8"	G 3/8"

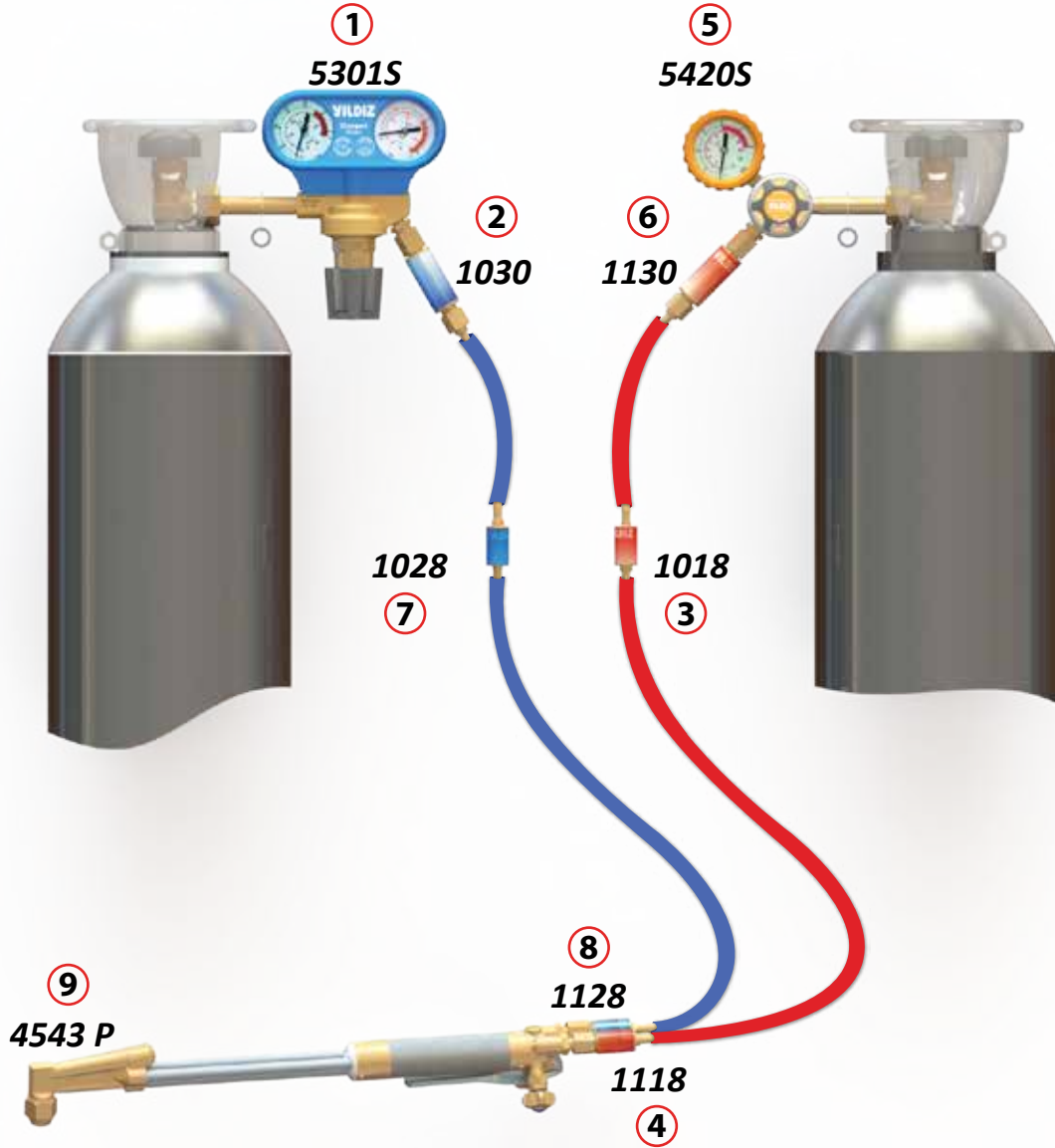

3001-9263

3001-9264
CUTTING TORCH FLASHBACK ARRESTORS

Order No	Gas Type	Pressure Used	Flow	Gas Inlet Connection	Gas Outlet Connection
3001-9253	Acetylene	1,5 bar	11 m ³ /h	G 3/8" Left	G 3/8" Left
	Propane	5 bar	20 m ³ /h	G 3/8" Left	G 3/8" Left
	Natural Gas	5 bar	27 m ³ /h	G 3/8" Left	G 3/8" Left
3001-9254	Oxygen	15 bar	76 m ³ /h	G 3/8"	G 3/8"


3001-9253

3001-9254



- 1-Oxygen Pressure Regulator **5301S**
- 2-Yildiz Flashback Arrestor **1030**
- 3-Flashback Arrestor for Fuel Gas Hose **1018**
- 4-Flashback Arrestor for Oxygen **1118**
- 5-Propane Pressure Regulator **5420S**
- 6-Yildiz Flashback Arrestor **1130**
- 7-Flashback Arrestor for Oxygen Hose **1028**
- 8-Flashback Arrestor for Fuel Gas Torch **1128**
- 9-Cutting Torch **4543P**

World of Welders



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