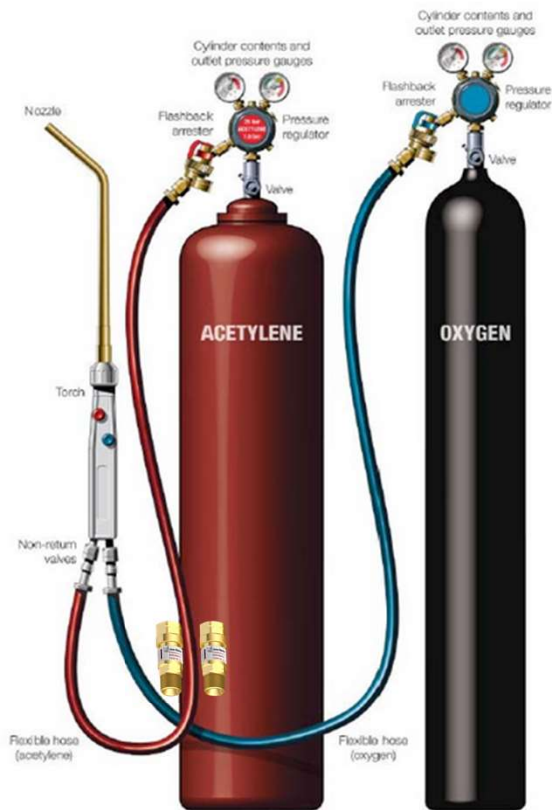




Set up :

- **Regulator**
- Backfire valve & Flashback arrestor
- Gas hose
- Gas welding & cutting kit



Cylinder regulator (ISO 2503)

Regulators bring cylinder pressure down to a working pressure, while maintaining the working pressure constant throughout the operation. Drew Marine regulators are manufactured to the highest safety standards.

- ISO 2503 standards.
- Oxygen are made to Class 3 (3% reading accuracy)
- Acetylene are made according to Class 2 (2% reading accuracy).
- Manufacturer year are stated
- Ac regulator are tested and approved by BAM (BAM 0301).
- Clear color code to differential between Oxygen (blue) and Acetylene (red).
- Connection type are also different for safety reasons.



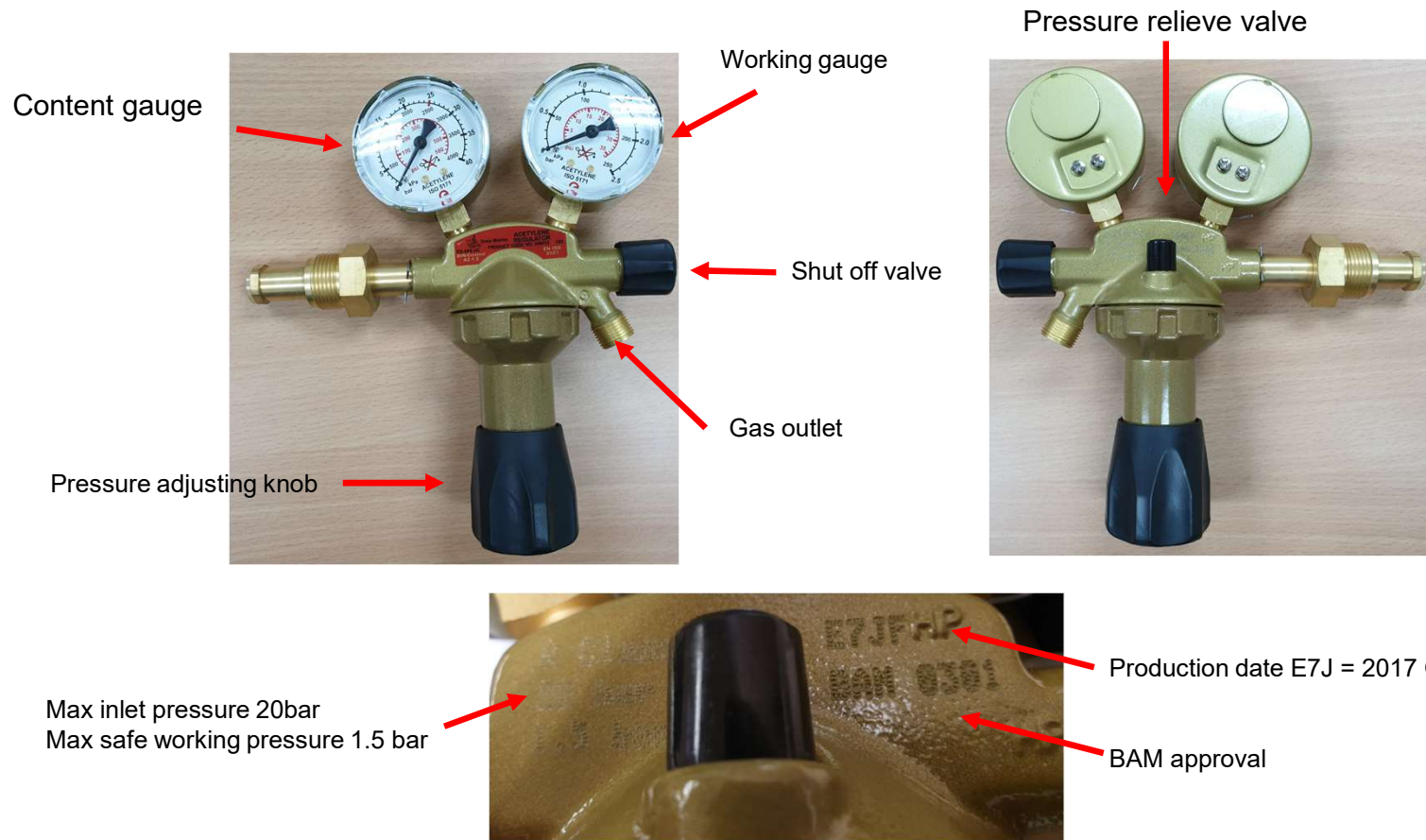
Cylinder Regulator, Ac 0546012

Cylinder Regulator Oxygen 0547010





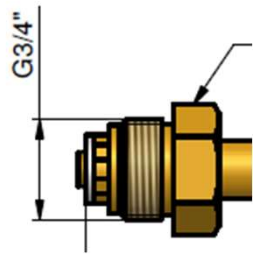
Acetylene Regulator (ISO 2503)





Acetylene Regulator (ISO 2503)

Oxygen cylinder regulator 0547010



Connection G 3/4" Male

Acetylene backfire valve 0548026

Twin hose

- 1/4" 20m coil with coupling 9097016
- 3/8" 20m coil with coupling 9098014



Acetylene flashback arrestor
Gas Welding & Cutting kit

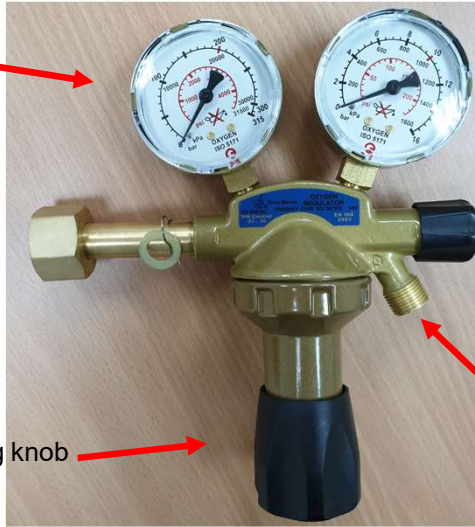
0542010
0523010





Oxygen Regulator (ISO 2503)

Content gauge



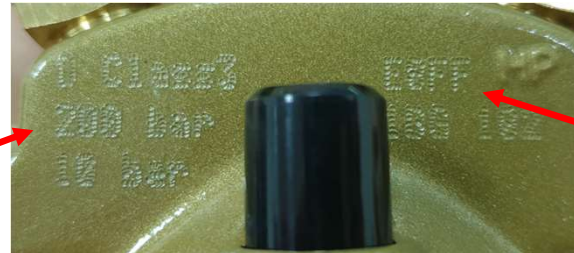
Working gauge

Shut off valve

Gas outlet

Pressure adjusting knob

Max inlet pressure 200bar
Max safe working pressure
10bar



Pressure relieve valve



Production date E8F = 2018 June

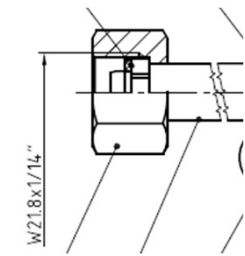


Oxygen Regulator (ISO 2503)

Oxygen cylinder regulator 0547010



Oxygen backfire valve 0549024



Connection W21.8 x 1/14"

Twin hose

- 1/4" 20m coil with coupling
- 3/8" 20m coil with coupling

9097016

9098014

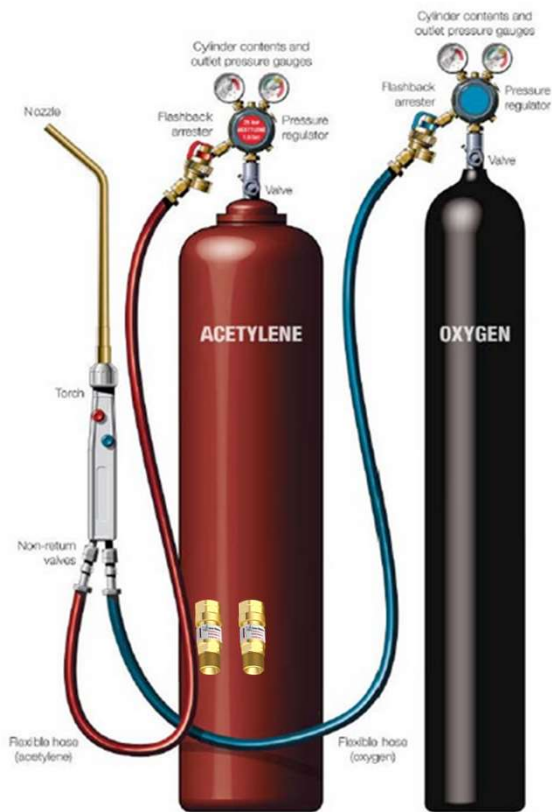


Oxygen flashback arrestor
Amerox Gas Welding & Cutting kit



0543018

0523010



Set up :

- Regulator
- Backfire valve & Flashback arrestor
- Gas hoses
- Gas welding & cutting kit



Backfire valve & Flashback arrestor

The backfire valve for regulator mounting contains multiple safety functions for protection of cylinder regulators and distribution lines. This regulator mounted backfire valve and torch mounted flashback arrestor complies fully to European standard EN730 and ISO 5175.

PRODUCT DESCRIPTION	UNIT	PCN
Backfire Valve, Ac - 180 - Regulator Mounted	Each	0548026
Backfire Valve, Ox - 180 - Regulator Mounted	Each	0549024

PRODUCT DESCRIPTION	UNIT	PCN
Flashback Arrestor - AC	Each	0542010
Flashback Arrestor - OX	Each	0543018



New

Used

Damage due to
flashback





Backfire valve & Flashback arrestor

BACKFIRE (Popping noise)

The return of the flame into the blowpipe neck or body with a popping sound, the flame being either extinguished or re-ignited at the nozzle.

SUSTAINED BACKFIRE

(Hissing sound)

In a sustained backfire, the flame burns back inside the torch at the mixing point. The torch can melt and become damaged if gas supply is not shut

INTERMITTENT BACKFIRE

A rapid succession of backfires with the flame re-igniting at the nozzle. This may be accompanied by a noise resembling machine gun fire.

BACKFLOW

Flowing back of gas at a higher pressure into the hose of a gas at lower pressure. Backflow produces the conditions under which a flashback can occur.

FLASHBACK

A flashback is a flame that travels back through the torch and into the gas supply system.





Backfire valve according to ISO 730-1 and ISO 5175

Non-return valve (NV) allows gas to flow in only one direction, safely prevents the mixture of gases.

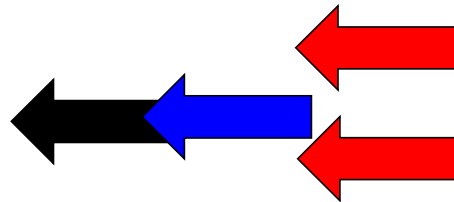
Pressure sensitive cut off valve (PA) prevents against the pressure shockwave caused by reversed gas flow.

Flame arrestor (FA) cools the flame down below its ignition temperature.

Thermal cut off valve (TV) Automatically melts at predetermine temperature to prevent temperature build up caused by repeated flashback.

A full flashback consisted of :

- A pressure front
- A flame front
- The gases back feeding



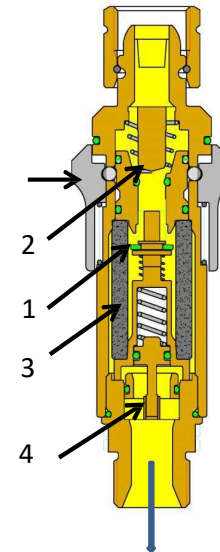
Pressure release ring

2- Pressure sensitive cut off valve (PV)

1- Non return valve (NV)

3- Flame Arrestor (FA)

4- Thermal cut off valve (TV)

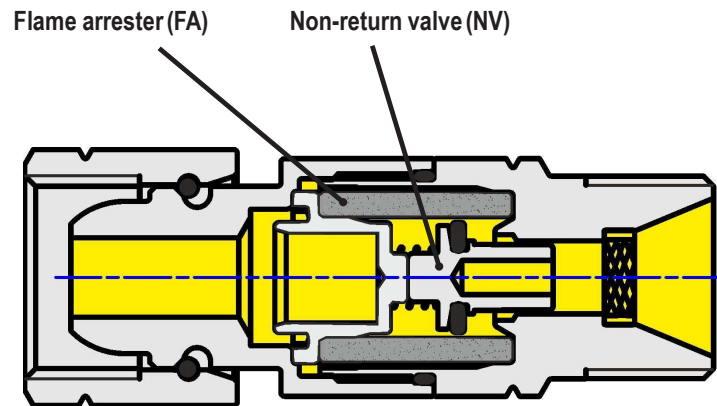


Flow = all systems open



Flashback arrestor according to ISO 730-1 and ISO 5175

- **Gas non-return valve (NV)** allows a medium to flow in only one direction. The gas non-return valve safely prevents the mixture of gases.
- **Flame arrestor (FA)** cools the flame down below its ignition temperature. Thus, the flame arrestor prevents a flashback.



Operating Conditions

