

AMEROX FLASHBACK ARRESTOR & BACKFIRE VALVE



Torch handle with Flashback Arrestor Ac/Ox



Backfire Valve Ac/Ox

INTRODUCTION

Approved flashback arrestor should always be attached in the inlet connection of a welding torch handle or a cutting torch. The AMEROX Flashback Arrestor contains a sintered stainless steel filter element that arrests (quenches) a flashback originating at the torch. It also includes a build-in backflow check valve. However, in the event of repeated flashbacks, the arrestor element may become overheated that the flashback is reignited and continues upstream through the hose to the regulator, resulting in an explosion.

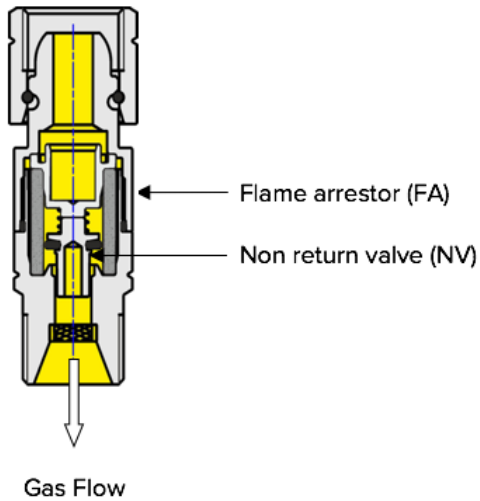
Therefore, to prevent serious damage and possible injury, AMEROX Backfire Valve should be installed at the regulator. In case of backfire fire, these backfire valve will automatically stop the flow of gas in either direction, extinguish the backfire and relieve any excess pressure buildup in the hose.

Drew Marine Backfire Valve and Flashback Arrestor are manufactured according to ISO 730-1 and ISO 5175.

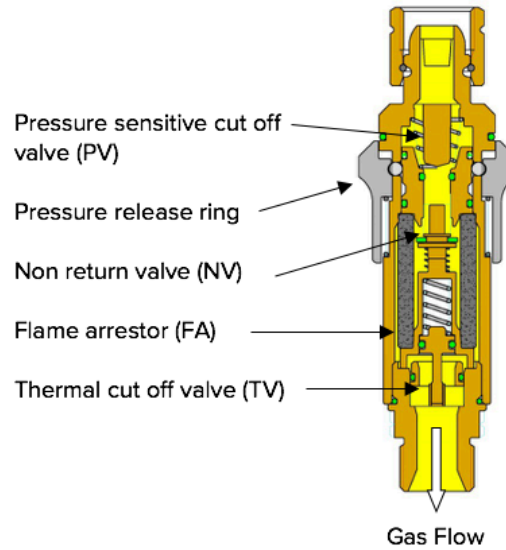
DESCRIPTION	PCN
Flashback Arrestor, Acetylene	0542010
Flashback Arrestor, Oxygen	0543018
Backfire Valve, Acetylene	0548026
Backfire Valve, Oxygen	0549024
Welding Torch Handle	0526014

SAFETY ELEMENTS

Flashback Arrestor



Backfire Valve



1. **Pressure sensitive cut off valve (PA)** prevents against the pressure shockwave caused by reversed gas flow.
2. **Pressure release ring** Use to reset the backfire valve after it had been activated.
3. **Non-return valve (NV)** allows gas to flow in only one direction, safely prevents the mixture of gases.
4. **Flame arrester (FA)** cools the flame down below its ignition temperature.
5. **Thermal cut off valve (TV)** Automatically melts at predetermine temperature to prevent temperature build up caused by repeated flashback.