

GENERAL INFORMATION

DO NOT modify the unit without authorisation from Pyroban. **Failure to observe any instructions in this Product Data Sheet may invalidate any certificate or warranty agreement.**

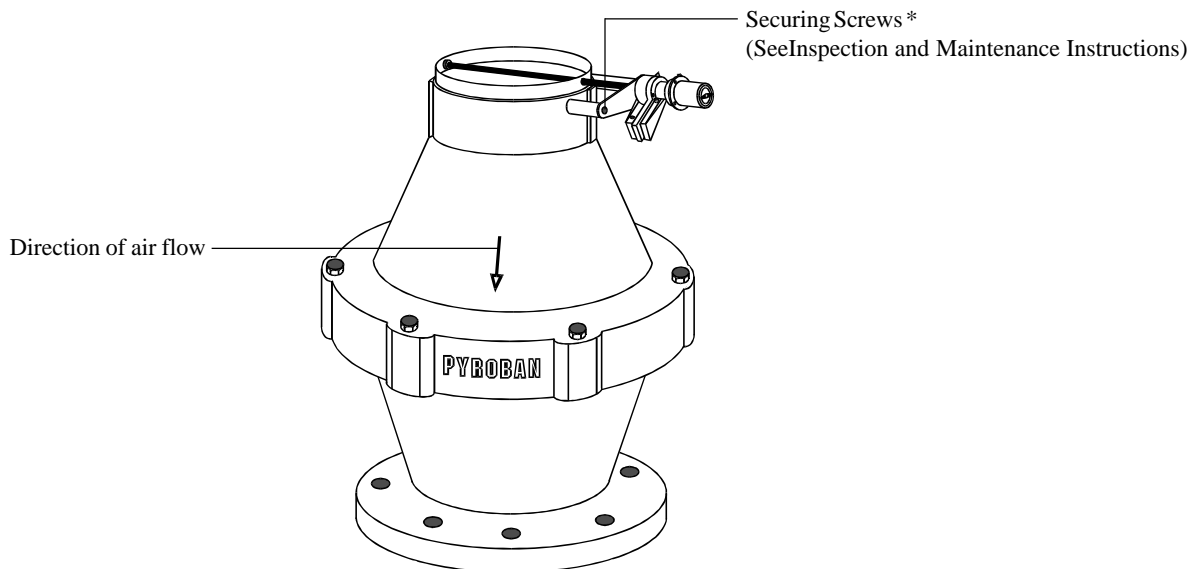
Suitable for use in hazardous areas when selected, installed and maintained correctly to BS EN60079. It must only be used as described in this data sheet. For specific applications, consult Pyroban Customer Services department.

Note: Person in Authority: Employee of a company taking full responsibility for the safety, welfare and supervision of all other employees under their control on the site.

DESCRIPTION

The air shut-off valve uses a rotating disc 'butterfly' valve to provide intake air shut-off. The valve employs a free design which provides very low pressure drop to avoid any loss in engine shaft horsepower. The valve is equipped with a pneumatic actuator, pressurised to run, spring return to close. The recommended actuation pressure is 60 psi to 80 psi (414kPa to 552kPa), with minimum actuation pressure of 35psi (241 kPa) and maximum actuation pressure of 100 psi (690 kPa).

The red plastic indicator on the end of the actuator spindle **must not** be used to try and turn the butterfly. It is for position indication only. Check that it aligns with the direction of the butterfly plate.



Important - Please Note

If the SVG inlet air shut -off valve is actuated without the trunking to the air cleaner in place, take great care not to allow fingers to be trapped by the butterfly when it closes.

INSTALLATION INSTRUCTIONS

The control system pipework connections on the valve operators are made with pipe thread fittings. **Any scale, dirt, etc. must be removed from the fittings and tubing before they are connected to the valve operator.**

Apply a quality thread sealant to the threaded pipe connections. **The sealant must not be permitted to enter the valve operator passages.**

Alternatively, P.T.F.E. thread sealing tape may be used but **the tape must not be applied in a manner that enables shreds of tape to enter the valve operator.**

INSPECTION AND MAINTENANCE

The air shut-off valve should be checked monthly for correct operation.

The valve shafts are permanently lubricated by the manufacturers. The 'O' rings within the valve are used to seal in the lubricant and need not be serviced. If it is necessary to replace the 'O' ring on the periphery of the butterfly plate, remove the two screws (see * on diagram) securing the mounting plate of the valve operator and rotate the disc 180° from its normal closed position. Remove the 'O' ring and replace. When the SVG inlet air shut -off valve is downstream of a turbocharger the replacement 'O' ring **must** be Viton. Reverse the above sequence to re-assemble.

LUBRICATION

Periodically, apply a suitable light grease (e.g. Dow Corning MS4 or equivalent) to the 'O' ring in the periphery of the butterfly plate and to the mating conical surface inside the casting.

CLEANING THE INLET FLAME ARRESTOR ELEMENT

Do not attempt to remove the flame arrestor element from the SVG valve.

Do not clean by inserting probes as the fine passages could be enlarged thereby impairing the flame arrestor performance.

Provided the maintenance and servicing of the induction air filter is carried out regularly, the inlet flame arrestor need not be cleaned.

If engine performance is affected due to a partially blocked inlet arrestor, the inlet flame arrestor can be washed in petrol or other suitable solvent and blown through with compressed air.

Note that the red plastic indicator on the end of the butterfly spindle should not be used to turn the butterfly. It should be aligned with the butterfly to indicate its position when air cleaner trunking is connected.

WHEN ASSEMBLIES WITH FLANGED CONNECTIONS ARE DISMANTLED, GASKETS MUST ALWAYS BE RENEWED WHEN RE-ASSEMBLING.

REMOVAL FROM SERVICE AND DISPOSAL

Using information provided in this data sheet, advice should be obtained from the waste regulation authority whether special waste regulations apply.

ORDERING SPARE PARTS

Use only genuine Pyroban parts. Order spares or replacement parts directly from Pyroban quoting the Pyroban Part Number. Note that fitting of incorrect parts may invalidate certification.

OTHER INFORMATION

Nothing contained in this brochure is intended to extend any warranty or representation, expressed or implied, regarding the products described herein. Any such warranties or other terms and conditions of sale of products shall be in accordance with Pyroban's standard terms and conditions of sale for such products, which are available upon request. Specifications and machinery may be altered without notice at any time.

Pyroban Limited

Endeavour Works
Dolphin Road
Shoreham-by-Sea
Sussex BN43 6QG
United Kingdom
Telephone: +44 (0) 1273 466200
Fax: +44 (0) 1273 465313
Email: customerservice@pyroban.com
www.pyroban.com

Pyroban Benelux BV

Grotenoord 24-26 - 3341 LT
P.O. Box 229 - 3340 AE
Hendrik Ido Ambacht
Nederland
Telephone: +31 (0) 78 6819377
Fax: +31 (0) 78 6818213
Email: sales@pyroban.nl
www.pyroban.com

Pyroban France

52 Rue Montgolfier
69006
Lyon
France
Telephone: +33 (0) 4.37.47.86.00
Fax: +33 (0) 4.37.47.86.01
Email: pyrobanfr@pyroban.com
www.pyroban.com



Cert. No. 000655