

AIR PURGING UNIT APU-874

Description

The air purging unit model APU-874 is a mechanical unit designed to be applied in front of the spark detector RIV-601P/S mounting unit SAM-871 for application on ducts and conveyors in order to perform two important functions:

- Prevent by means of an air jet a dust build-up over the optical window of the mounting unit SAM-871, that could decrease or even blind the detector sensitivity.
- Prevent by means of an air cooling the detector heating when the duct temperature is over 60°C. A thermal insulation is provided to avoid the direct contact between APU-874 and duct.

The APU-874 is composed of a cylindrical part 80mm in diameter and 150 mm in length, with the inside surface polished as a mirror, and two flat bases for the mounting purpose on one side to the mounting unit SAM-871 and on the other to the duct.

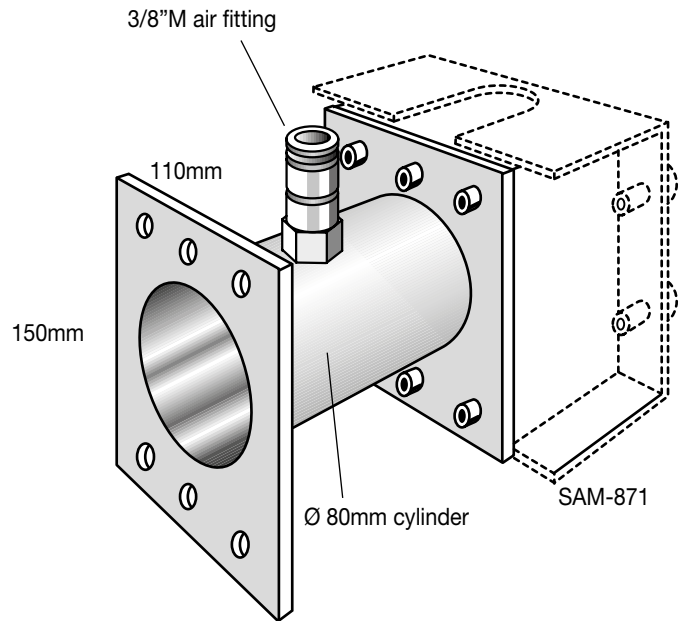
Six M6x20mm stainless screws are provided for fixing to the mounting unit SAM-871.

A thermal insulation plate, of rubber or other material, is also provided to be applied between the APU-874 and the duct.

On the centre of the cylinder length an 3/8" universal air fitting is mounted for the air supply (female socket and male moving plug for 10 mm pipe).

The spark detector RIV-601P/S can see through the APU-874 a **direct field of view of 25°**.

It can also see indirectly, due to the internal reflection, a larger **indirect field of view of 90°**, but with the sensitivity reduced by a 30%.



Specifications

Material 3 mm stainless steel painted yellow, with the internal surface polished as a mirror.

Dimensions: 150mm high, 110mm wide, 150mm long.

Central tube 80mm in diameter and 150mm long.

Direct field of view 25°.

Indirect field of view 90°. Sensitivity reduced by 30%.

A thermal insulating plate, 150x110x5mm, is provided.

Six M6x20mm stainless steel screws provided for application to the mounting unit SAM-871.

Brass universal 3/8" air fitting, Parker (female socket and male moving plug for 10mm pipe).

Suggested air pressure 3÷6 bar.

Air flow rate 1000 lt/min.

Operating temperature -20 +60°C.

Max duct temperature +120°C.

Weight 1.6kg.

