

AIR PURGING UNIT APU-874G

Description

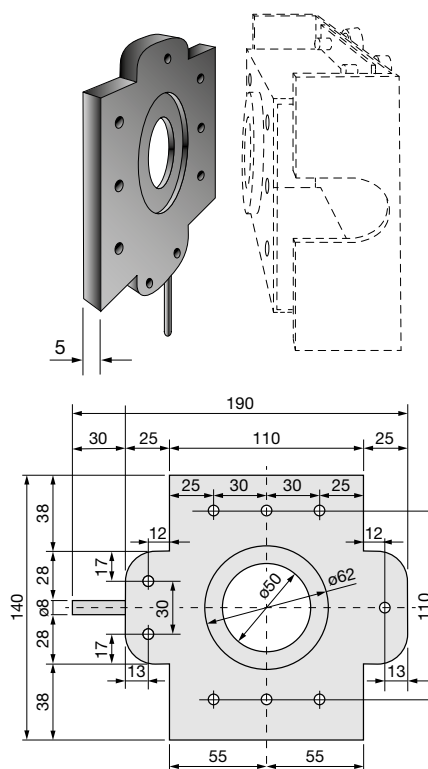
The air purging unit model APU-874G is a mask in plastic material designed to be applied in front of the spark detector RIV-601P/S mounting unit SAM-871 for application on ducts and conveyors in order to prevent by means of a **continuous** air jet a dust build-up over the optical window of the mounting unit SAM-871, that could decrease or even blind the detector sensitivity. It is equipped with a compressed air inlet and it is supplied with a one-touch fitting.

It must be mounted between the SAM-871 unit (*) and the duct so that the optical window of SAM-871 fits into the large hole in the center.

Specifications

- Material TPU98A black.
- One-touch fitting Ø 8mm.
- Suggested air pressure 1÷3 bar.
- Operating temperature -20 +60°C.
- Dimensions mm 190x140 sp. 5.
- Weight 120 gr.

(*) Before coupling the SAM-871 unit and the APU-874G air purging unit, remove the silicone pad on the base of the SAM-871 unit so that the APU-874 air purging unit is in contact with the SAM-871 unit base.



AIR COOLING UNIT APU-874

Description

The air cooling 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 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" M 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 3mm stainless steel painted yellow, with the internal surface polished as a mirror.
- Central tube Ø 80mmx150mm.
- Direct field of view 25°.
- Indirect field of view 90°. Sensitivity reduced by 30%.
- A thermal insulate plate, 150x110x5mm is provided.
- Six M6x20mm stainless steel screws provided for application to the SAM-871 unit.
- Brass universal 3/8" M Parker air fitting (female socket and male moving plug for 10mm pipe).
- Suggested air pressure 3÷6 bar.
- Operating temperature -20 +60°C.
- Max duct temperature +120°C.
- Dimensions 150mm high, 110mm wide, 150mm long.
- Weigh 1,6 kg.

