

Technical Specification

Water Cooling Coil - ITS 184X0251M621

Valid from 2015.08.20



The Flame Scanner Water Cooling Coil, used for the ITS 184X0254M029 Flame Scanner only, will circulate water in a temperature range of 10 C°(50°F) to 57°C(135°F) making it possible for the Flame Scanner to work up to an ambient temperature of 235 C°(455°F). The uncooled Flame Scanner has a working range of -30°C(-20°F) to 150°C(302°F).

For the water supply, a standard 1/2" NPT thread is used as this is typically available on the turbine. The water flow rate is 3.8l/m (1.0US g/m) to 5.7l/m (1.5US g/m) for each Flame Scanner.

With the ITS Water Cooling Coil more heat can be eliminated from the Flame Scanner as it connects to a larger surface on the Flame Scanner than its predecessor from the original manufacturer. The part was purposely designed for robustness and durability to correspond to the requirements in the turbine area.

ITS Industrial Turbine Services is the first in its field to develop and manufacture this specific product. It is built from stainless steel which ensures that it is able to bear higher temperatures which in turn allows for the Flame Scanner to function accurately for a longer period of time.

Water Cooling Coil - ITS 184X0251M621

Parameters Cooling Coil	Details
Manufacturer	ITS Industrial Turbine Services, Austria
Material	1.4571 Stainless Steel
Water Temperature Range	10°C (50°F) to 57°C (135°F)
Thread	1/2" NPT
Outer Ø	103mm (4.055in) without connectors
Water Flow Rate	3.8l/m (1.0US g/m) to 5.7l/m (1.5US g/m) for each Flame Scanner
Weight	1.4kg (3.1lb)
Packaging	Loose

Note: This cooling system is only suitable for the original ITS 184X0254M029 Flame Scanner.

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