



Key features:

- PLC driven purge unit for automatic cleaning of the pipes of Cirrus Pro aspirating systems
- Available in versions for aspirating systems of 1, 2, 3 or 4 aspirating pipes
- PLC with 7 different programs and a test program
- Can be powered by the power supply of the detector
- To be connected to a compressed air network that delivers dry and clean air or an oil free compressor that is equipped with an air dryer

Applications:

- Waste treatment
- Stables
- Warehouses
- Bulk storage
- Tobacco production
- Production facilities



Because of the design and technique Protec aspirating detectors are suited in a great variety of environments. Practically every protected room contains a certain amount of pollution. To make sure that the aspirating pipes don't get clogged, periodic cleaning is needed. For most areas cleaning during the normal annual service interval will be sufficient.

In heavier polluted areas a shorter cleaning interval shall be chosen. For installations with very short intervals the SenseTek automatic purge unit is the perfect solution. This unit fully automatically clean the piping system by blowing compressed air through from the detector side of the pipes. An extra advantage is that the built in particle filter of the detector doesn't pollute quickly, so the life of the filter expands dramatically.

By blowing pulsating, a vibration occurs in the aspirating pipe so the pollution comes loose more easy and gets blown out of the pipe via the aspirating holes. This pulsating blowing gives the great advantage that the necessary amount of air is reduced, so that the compressed air system or compressor has to start up less frequently. When a compressor is used the kettle volume can be reduced as well.

The built in pre-programmed PLC carries 7 programs with various cleaning intervals, varying from once a week to once an hour. Shorter intervals are available on special request without surcharge.

During commissioning the required program can be chosen by using the associated input on the PLC. The factory setting is once per hour. Apart from the 7 programs the unit is equipped with a test setting that immediately starts a cleaning session. This function can be used during service proceedings.



Specifications:

Supply voltage	24 Vdc \pm 10%
Current consumption	15-100 mA, depending on chosen program
Dimensions	500 x 400 x 200 (H x W x D) (excluding glands) 590 x 400 x 200 (H x W x D) (including glands)
Weight	1-valve version 10,6kg 2-valve version 12,1kg 3-valve version 13,6kg 4-valve version 15,2 kg
Operating temperature range	-10 to +60°C
Operating humidity range	0 to 90 % RH non-condensing
Housing material	Glass fibre reinforced polyester
Color	RAL7035
IP-rating housing	IP66
Controller	Pre-programmed mini PLC on DIN rail with 8 inputs and 4 relay outputs
Valve type	Solenoid valve MFH-3-1/2 3/2 normally closed
Valve material	Anodised aluminium
IP-rating valves	IP65
Approval valves	UL and CSA
Air connection	1/2" connection, maximum 8bar
Aspirating pipe connections	1 to 4 ingoing and 1 to 4 outgoing connections (depending on the type), \varnothing 27mm

