

iPURGE150 Purge Controller For Zone 2



For controlling and monitoring the purging and operating cycle of Zone 2 (pz) Ex p enclosures

ATEX II 2GD EEx e m ia IIC T4 T70°C

-30°C to +60°C

IP66

Fully digital operation

Overview

The iPURGE150 purge control unit is designed to provide a safe and reliable method of controlling and monitoring of the purge and operation cycle of Ex p enclosures destined for Zone 2. The iPURGE150 is designed as a part of a system conforming to EN60079-2 for purge types py and pz.

The iPURGE150 controls the flow of purge gas by the use of an optional valve, allowing the control of the purge cycle and normal operating pressure within a pressurised enclosure. The controller is supplied with two volt free outputs which can be configured for high and low pressure. The device has digital high brightness LED display, settings are made via a simple push button and selector switch.

Features and Benefits

Configurable Outputs

The control unit provides two programmable relay outputs for enclosure pressure.

Remote Temperature Sensor

A remote temperature sensor can be connected for enclosures where the internal surface temperature of components needs controlling.

Rugged Enclosure

GRP Enclosure complete with Exe terminals.

Mounting Options

Can be internally or Externally Mounted.

Flow Options

Both high and standard flow options available

Specification

Certification Number	TUV 06 ATEX 553384
Certification Type	ATEX II 2G Ex mb e [pz] [ia] IIC T4 II 2D Ex tD A21 T70°C
Dimensions	Controller 120mm x 122mm x 90mm, Valve & Pressure Regulator 100mm x 86mm x 133mm (w x h x d)
IP Rating	IP66
Ambient Temperature	-30°C to +60°C
Power Supply	240Vac, 110Vac & 24Vdc Options
Output	Programmable Auxiliary Volt Free Contact
Maximum Flow	Standard version: 3.2 L/sec, high flow version: 4.8 L/sec. Note these values are theoretical max flow rates based on the controllers exhaust orifice and the max enclosure internal pressure allowed of 40 mbar. Note the maximum enclosure overpressure is dependent upon the strength of your enclosure.
Features	Fast Simple Installation. Easy Setup With Clear Display of Parameters

Ordering Information

Purge Controller For Zone 2

iPURGE150—[#1] - [#2] [#3]

Please Specify [#1] - Power Supply

230 VAC 48-62 Hz	1
115 VAC 48-62 Hz	2
24 VDC	3

Please Specify [#2] - Mounting Arrangements

External (Standard Version)	E
Internal	I

Please Specify [#3] Flow Rate Option

High Flow Up to 4.8 litres per second	H
Standard Flow Up to 3.2 litres per second	S

Digital Inlet Valve with Regulator & Gauge

iPURGEDV—[#1]

Please Specify [#1] - Power Supply

230 VAC 48-62 Hz	1
115 VAC 48-62 Hz	2
24 VDC	3

Proportional Inlet Valve with Regulator & Gauge

iPURGEPV—[#1]

Please Specify [#1] - Power Supply

230 VAC 48-62 Hz	1
115 VAC 48-62 Hz	2
24 VDC	3

Accessories

Rain cap for the iPURGE series of purge controllers	iPURGE RAINCAP
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