



## EMISSIONGUARD™ Purge Panels

CPI EMISSIONGUARD™ purge panels control and monitor the supply of an inert gas, such as nitrogen, into the packing assembly(s) of a reciprocating compressor, as well as monitor the vent pressure and vent flow rate.

With CPI's purge panel, buffer gas consumption is minimized compared to conventional purging. EMISSIONGUARD™ also enables condition-based maintenance, reduces unplanned down time and satisfies environmental regulations.

A single panel can service between one and four packing cases (modular construction). EMISSIONGUARD™ purge panels are available for all gases, including corrosive and flammable gases.



### RISK MITIGATION AND COMPLIANCE

CPI, part of the Howden group, has selected the optimum materials and components for a reliable purge panel system, that complies with industry legislation. The system is ATEX registered, the panel does not contain any electrical components and also provides autonomous functionality. As part of its design an automatic control valve maintains buffer gas pressure at least 1 bar higher than the vent pressure, in compliance with API 618.

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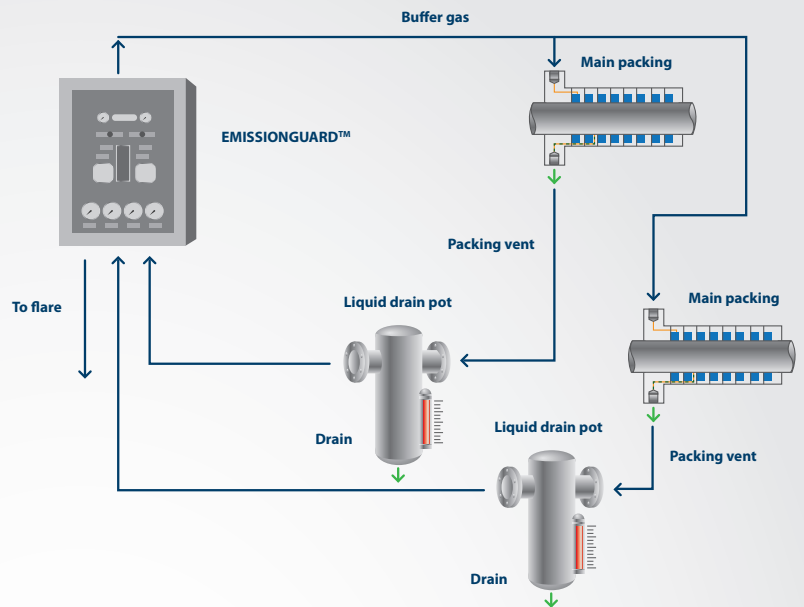


 **CPI**  
by Howden

# EMISSIONGUARD™ Purge Panels

## DESIGN FEATURES

- Stainless steel fittings, block valves and non-return valves
- Fully enclosed powder coated cabinet to IP66 IK10 – RAL7035
- Dimensions from 210 x 300 x 400 mm to 300 x 600 x 800 mm dependant on configuration
- Operates with buffer gas supply pressures up to 7 bar
  - For higher pressures an additional pressure reducer is required
- Glycerin-filled pressure gauges, constructed from stainless steel, are available in ranges of 0-6 bar
- Automatic control valve is compact and easy to use and comes equipped with an integrated over-pressure system
- Buffer gas line flowmeters consist of a full-view sight glass, aluminium body and stainless steel fittings
- Use of magnetic indicator gas flowmeter provides good visibility, even with dirty gas in the vent line



- Options include:
  - Supply connections in 6, 8 or 10 mm
  - Additional pressure reducer
  - Buffer gas inlet filter
  - By-pass line

