

Corrosive gases

Isokinetic Gas Sampling System

The CleanAir isokinetic sampling system is used to sample corrosive gases such as HCl, HF, NH₃, SO₂, SO_x, HBr, HCN...etc. It is a variation of the basic model (dust), but in a version including nozzles and a Pyrex sheath with a bubbler compartment depending on the gaseous compounds.

This system makes it possible to continuously take a sample of gases or vapors from a chimney while maintaining the same speed characteristics as at the sampling point. The particles are deposited on a filter. The hot gases are conditioned in a series of cold bubblers. The condensates are trapped and a volumetric meter (DGM) measures the total flow volume of dry gas sampled.

The use of this system must imperatively be entrusted to a user trained in a specific methodology. The flow velocity at the sampling point must be known and communicated to CleanAir Europe for project feasibility.



Also available for rent with technical support included



Isokinetic sampling

- ✓ EN 1911 & EN 14791 (HCl / SO₂) Certified
- ✓ ISO 11632, 7934 & 15713 (SO₂ / HF) Norms
- ✓ NF X 43-303 & X 43-304 (NH₃ / HF) Norms

TECHNICAL SPECIFICATIONS

ISOKINETIC CONTROL CONSOLE

HEATED FILTRATION UNIT (WITH OVEN AND BUBBLER COMPARTMENT)

GLASSWARE SET (INCLUDING AN 8.5CM PYREX FILTER HOLDER)

BUBBLER OUTLET CONNECTION

CHOICE OF UMBILICAL: 7 / 15 OR 30 M

METHOD 5 PROBE: LENGTH 60 / 120 OR 180 CM

FULL SET OF STAINLESS STEEL NOZZLES (1/8", 3/16", 1/4", 5/16", 3/8", 1/2")

PYREX SHEATH

SAMPLE RECOVERY KIT

GLASS FIBER FILTERS, DIAMETER 8.26 CM

STAINLESS STEEL ADAPTER FOR FIXING ON PORT (CABLE GLAND)

POWER : 230 VAC

WEIGHT : 125KG

KEY POINTS

- Modular system
- Built for harsh environments
- Custom probe

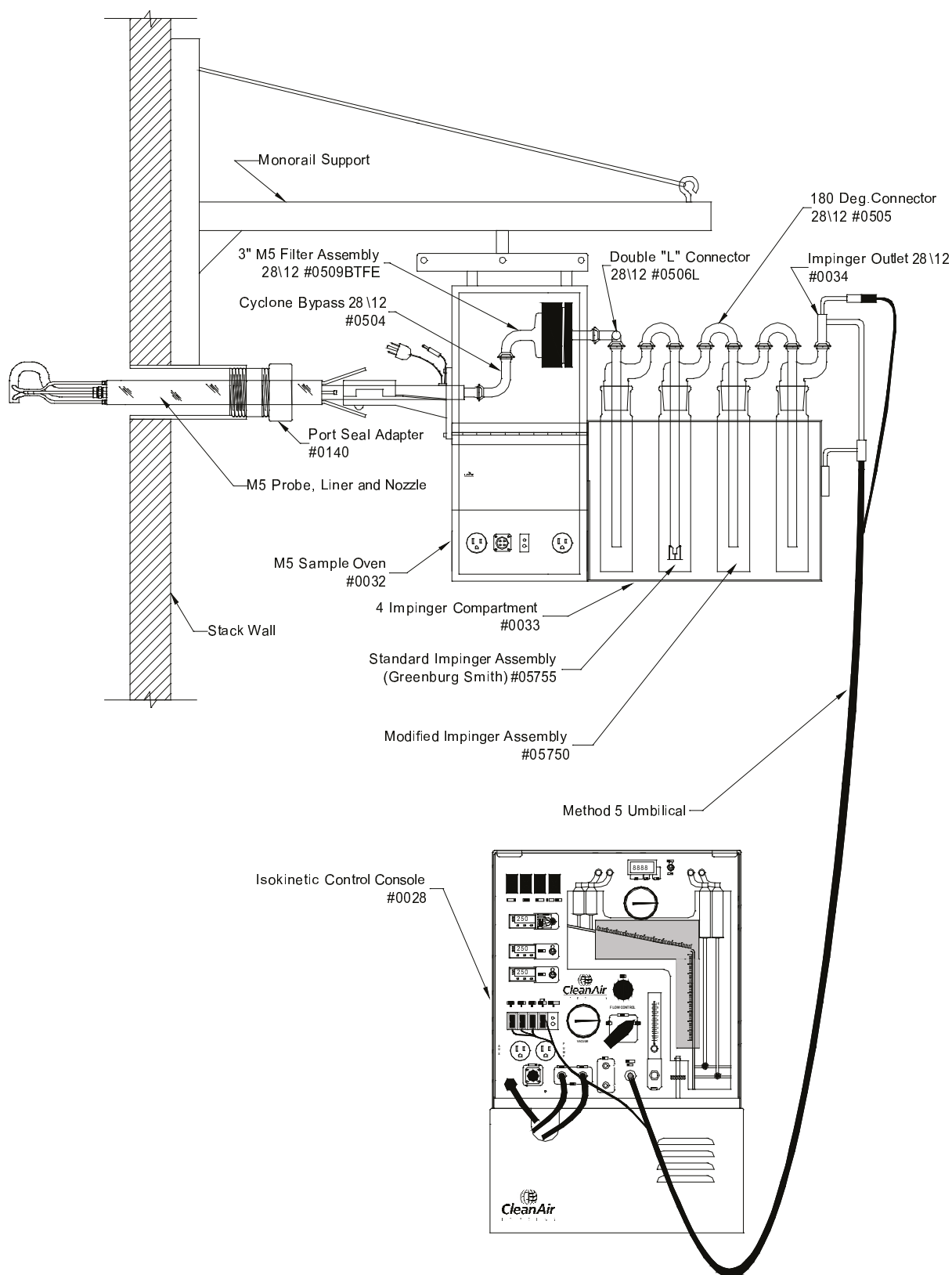
APPLICATIONS

- Controlled environments
- Dust monitoring
- Program sampling
- Process control
- Industries: laboratories, manufacturing plants
- Denox and Desox: filter tests, hospitals and clinics, HVAC applications (HVAC Control)

For more information

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SAMPLING TRAIN DIAGRAM



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