- Complete single supplier solution for cryogenic air separation units (ASU)
- Quality, safety and control measurements for multiple gases, NMHC and impurities
- Widest available analyzer range ensures exact match for application over "next best option" approach of competitors

Servomex is the world expert in gas analysis – and the leading provider of reliable, accurate and stable gas measurement solutions to the Industrial Gas market.

And nowhere else does effective gas analysis make a bigger difference than on cryogenic air separation plants. Quality gas analysis improves process control, increases safety and optimizes product quality – and noone makes a bigger difference than

Servomex. Servomex gas analyzers make continuous and reliable analysis throughout every point of the process: alongside product quality measurements for the gases produced, safety and control measurements are required to monitor levels of carbon dioxide, nitrous oxide, total hydrocarbons, water vapor and trace impurities.

Servomex's comprehensive range of analyzers means we offer the Industrial Gas sector the broadest choice of

technologies to achieve the widest measurement ranges. Our extensive range of sensing technologies, which includes Paramagnetic, Zirconia, TDL, FID and Coulometric sensors, covers the full range of ASU applications that control processes, guarantee product purity and ensure plant safety.

The world's Industrial Gas producers agree – our analyzers are used and specified by all leading ASU plant operators.











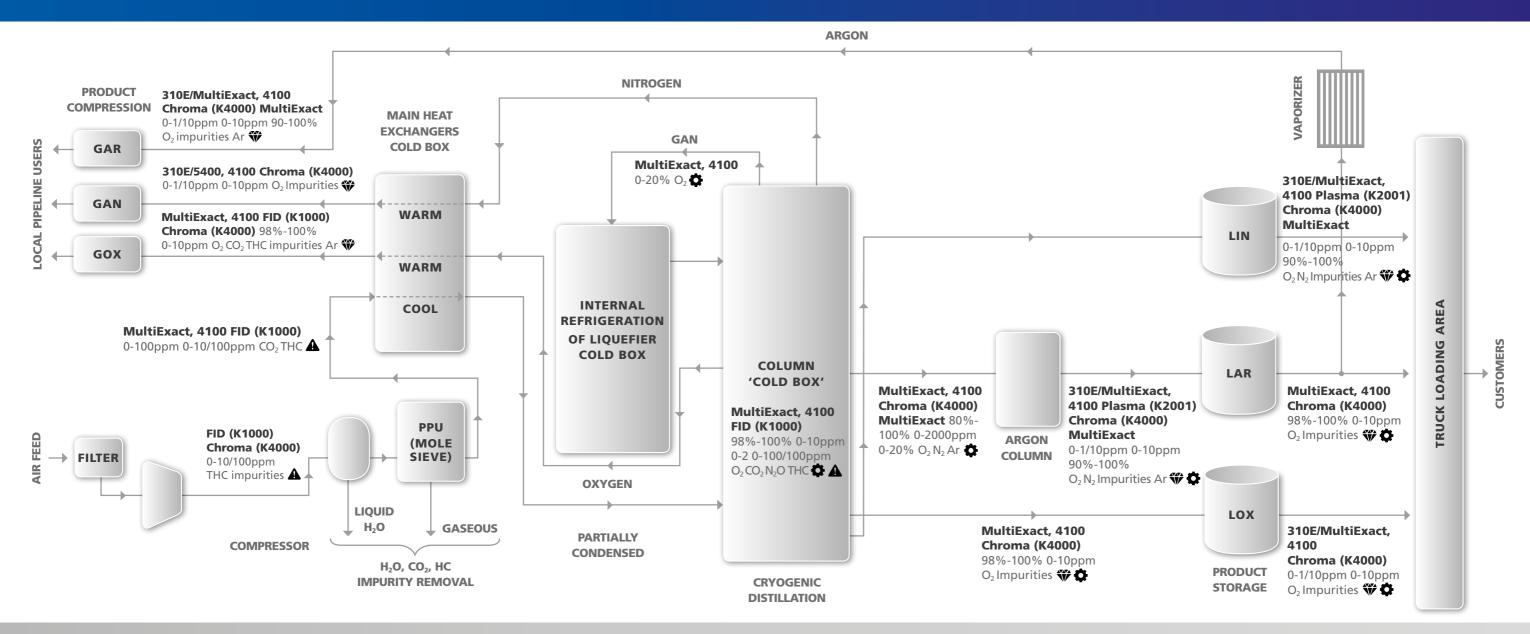
AIR SEPARATION PROCESS **APPLICATION MAP**

KEY: APPLICATION TYPES:

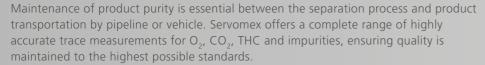








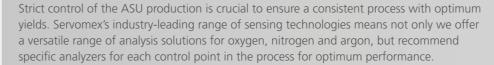
QUALITY APPLICATIONS **



Applications include:

- O₂ and impurities in liquid N₂ pre/post storage
 O₂ and impurities in liquid O₂ pre/post storage
 O₂, CO₂, THC and impurities in liquid Ar pre/post storage
- O₂ and impurities in gaseous N₂
- O₂ and impurities in gaseous Ar

CONTROL APPLICATIONS *



SAFETY APPLICATIONS A



Cryogenic air separation is a complex process which requires careful monitoring – low levels of CO₂, NO and total hydrocarbons (THC) present safety risks which must be monitored at all times. Servomex's FID, Chroma and MultiExact analyzers offer highly sensitive analysis of gases, hydrocarbons and impurities to protect your ASU process at all times.

DIGITAL MULTIGAS ANALYZER OPTIMISED FOR ASU **REQUIREMENTS**

DF-300 Series

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HIGH **SENSITIVITY DIGITAL TRACE** O₂ ANALYZER **RANGE**

Chroma

RVOP



VERSATILE TRACE GAS ANALYZER

Plasma



FOR CONTINUOUS MONITORING OF NITROGEN IN ARGON AND HELIUM

FID

O \triangleleft



HYDROCARBON ANALYZER











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