

NOxFlash



Better world with NOxFlash technology

At Union Engineering we take an innovative approach to process design. So we created NOxFlash. This patented technology has really proven its worth – used in industrial applications since 2006.

NOxFlash is a process-driven solution. It doesn't need filters and absorbents which are sensitive to contamination.

The traditional approach to scrubbing is to use potassium permanganate (PPM). NOxFlash does away with that. So it's cheaper and better for the environment.

Used in combination with the PUR distillation column, NOxFlash delivers optimum CO₂, minimal inerts, aromatic hydrocarbon and NOx. It also reduces the amount of aromatic hydrocarbon in the final product.

NOxFlash is the ideal solution – unaffected by variations in fuel composition or combustion that is out of specification.

Every one of our Union Engineering plants utilises the latest technology, including NOxFlash and PUR-D.

NOxFlash benefits

- No more PPM - better for the environment
- Significantly lower OPEX and improved CAPEX
- No more on-site liquid PPM emissions
- Reduced environmental impact
- Reduced MEA consumption
- Minimal benzene and aromatic hydrocarbon
- No hazardous liquid waste
- Less O₂ in the final product when combined with PUR-D
- Ultra-pure CO₂ product