

## Merox - Mercaptan Removal (pH/ORP)

Mercaptans are organosulfur compounds often found in unrefined or partially refined hydrocarbon feedstocks. They contain several undesirable qualities, including strong odor, corrosivity, and degradation of downstream additives and hydrocarbon end products. A catalytic process is utilized to remove mercaptans for these reasons. Challenges to pH processes exist in both extraction and sweetening Merox processes, including reference fouling, coating, and abrasion.

### Challenges

Reference electrolyte can be poisoned by excess caustic, mercaptans, disulfides and other contaminants. Coating and plugging of porous reference junction by residual oils. Abrasion of pH measuring membrane due to suspended catalyst fines.



If the process is isolated, an in-line electrode such as the Y-410B-F6 or V-19DB-F6 Series is recommended.



If the process is not isolated, a retractable such as the MK7 or Live Tap model is recommended.

### Specifications

Body material	Ryton	Kynar	Stainless Steel
pH Range	0-14	0-14	0-14
Temperature Range	0-130°C	0-130°C	0-130°C
Pressure Range	0-150 PSI @ 25°C		

