

## Feature Comparison of CO2 Corrosion Models

	CO2Compass	Model E	Model M	Model P
<b>Performance guarantee</b> with refund of license fee if the predicted corrosion rate is not closer to the measured value than that predicted by any other commercial CO2 corrosion model.				
<b>CO2 Corrosion Control Options</b>				
CO2 Removal				
Glycol Injection Rate				
pH Stabilization				
Water Removal				
<b>Direct control over the modeling</b> of the effects of scaling, oil wetting, glycol, CO2 fugacity, in-situ pH, liquid velocity, organic acids, and H2S with user-controlled ON/OFF switches and direct inputs overriding the default settings				
<b>Scale Prediction</b> Predict Scaling Tendency and Saturation Index				
<b>Corrosion and Inhibitor Risk Categories and Guideline</b> with Inhibitor Likelihood Success Score (ILSS)				
<b>Unlimited Application Range</b> Works for all parameter values from 0 to the very high end practically achievable in the field (temperature, pressure, amount of liquid water, liquid velocity, NaCl, dissolved O <sub>2</sub> , HCO <sub>3</sub> <sup>-</sup> , H <sub>2</sub> S and HAc)				
<b>Cross-platform and device-independent</b> , works on any device running any OS. No installation files to download, no browser plugins required, no USB dongles to carry around, and no license keys to transfer from one PC to another.				

### References:

1. [CO2 Corrosion Model Validation Matrix and Index Score System, Pipeline & Gas Journal, March 2016 Vol.243, No.3](#)
2. [Corrosion and Fitness for Service, 11th International Conference on Fracture 2005 \(ICF11\), Turin, Italy, 20-25 March 2005, paper No. 4173](#)
3. [Avoiding Common Pitfalls in CO2 Corrosion Rate Assessment for Upstream Hydrocarbon Industries, the 16<sup>th</sup> Nordic Corrosion Congress, 20-22nd May 2015, Stavanger, Norway, Paper No.24](#)