

Mobile Flameless Thermal Oxidiser

INFLUENT

Product compatibility

| Name | Number of C | UN # | Destruction by FTO | Project executed |
|--------------------------------------|-------------|-------------|--------------------|------------------|
| PAKs | C6< | - | yes | |
| NH3 | - | 1005 - 2073 | yes | |
| CxHyS | - | 1288 - 3071 | yes | |
| CO | C1 | UN 1016 | yes | |
| Ethaan | C2 | UN 1035 | yes | |
| Ethyleenoxide | C2 | UN 1040 | yes | |
| H2S | - | UN 1053 | yes | |
| SOx | - | UN 1079 | yes | |
| Aceton | C3 | UN 1090 | yes | |
| Acrylonitril | C3 | UN 1093 | yes | yes |
| Benzeen | C6 | UN 1114 | yes | yes |
| Vloeibare koolwaterstof >10% benzeen | - | UN 1114 | yes | yes |
| Cyclohexaan | C6 | UN 1145 | yes | |
| Ethanol >70% | C2 | UN 1170 | yes | yes |
| Ethylbenzeen | C8 | UN 1175 | yes | |
| Ethyl-tert-butylether | C6 | UN 1179 | yes | yes |
| Heptaan | C7 | UN 1206 | yes | tes |
| Hexaan | C6 | UN 1208 | yes | yes |
| Octeen | C8 | UN 1216 | yes | |
| Methanol | C1 | UN 1230 | yes | yes |
| Methyl-propyl-keton | C5 | UN 1249 | yes | |
| 2,2,4-trimethylpentaan | C8 | UN 1262 | yes | |
| Octaan | C8 | UN 1262 | yes | yes |
| 2-methyl-pentaan | C6 | UN 1265 | yes | |
| Pentaan | C5 | UN 1265 | yes | yes |
| Aardoliedestillaat | - | UN 1268 | yes | |
| Propyleenoxide | C3 | UN 1280 | yes | |
| Toluuen | C7 | UN 1294 | yes | yes |
| Vinylacetaat | C4 | UN 1301 | yes | |
| Xyleen | C8 | UN 1307 | yes | yes |
| Naftaleen | C10 | UN 1334 | yes | yes |
| NOx | - | UN 1660 | yes | |
| Nonaan | C9 | UN 1920 | yes | |
| Methaan | C1 | UN 1971 | yes | yes |
| Ontvlambare vloeistof >10% benzeen | - | UN 1993 | yes | yes |
| Dicyclopentadien | C10 | UN 2048 | yes | |
| Styreen | C8 | UN 2055 | yes | yes |
| Methylcyclohexaan | C7 | UN 2296 | yes | |
| Methylcyclopentaan | C6 | UN 2298 | yes | |
| Methyl-tert-butylether | | UN 2398 | yes | yes |
| Ontvlambare vloeistof <10% benzeen | - | UN 3257 | yes | yes |
| Vloeibare koolwaterstof <10% benzeen | - | UN 3295 | yes | yes |
| Ethanol en benzine | - | UN 3475 | yes | yes |
| Benzine | - | UN1203 | yes | yes |
| Isooctenen | - | UN1216 | yes | yes |
| Ruwe aardolie >10% benzeen | - | UN1267 | yes | |

Additional products upon request

Maximum influent parameters



Pressure:

Hoses: -75 / 130 mBar

FTO : -100 / 100 mBar

Temperature:

Hoses: -35 / 80 °C

FTO : -10 / <50 °C

Flow [m³/h]:

1600 m³/h at <200%LEL

400m³/h at <800%LEL

TREND ANALYSIS

Temperature

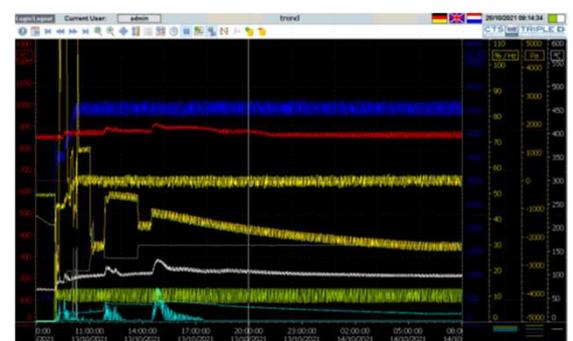
%LEL

Flow

Pressure

Vacuum

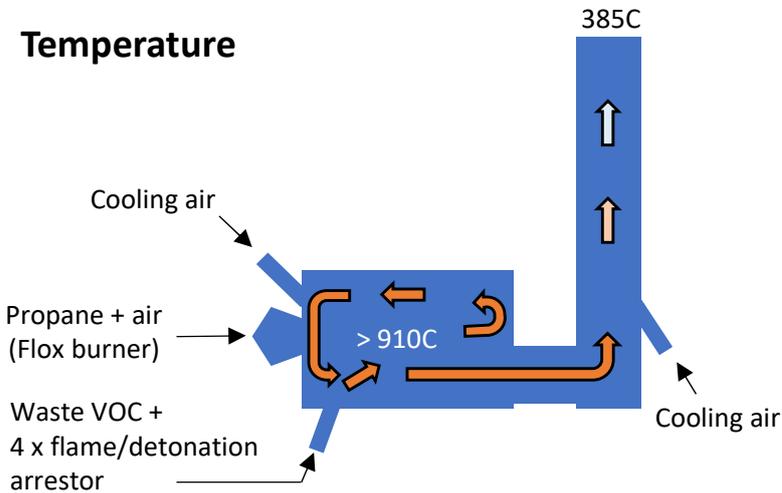
Valve positions





EFFLUENT

Temperature

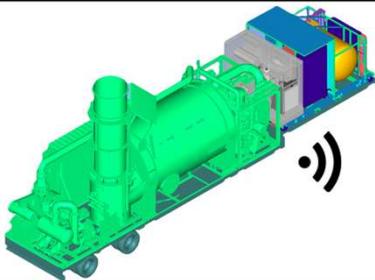


Emissions

(average measured by NoBO)

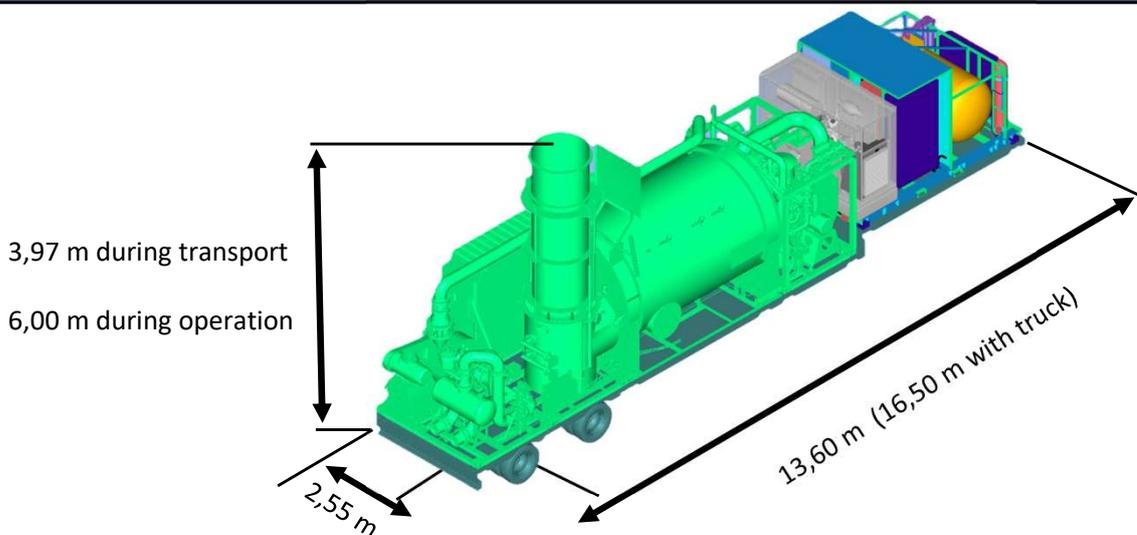
| | | |
|-----------------|------|----------------------|
| NOx | 3,3 | mg/Nm ³ |
| Particles | < 10 | mg/Nm ³ |
| CO ₂ | 2,1 | mg/Nm ³ |
| TOC | 7,7 | Mg C/Nm ³ |

REMOTE CONTROL & MONITORING



The mobile FTO allows for un-manned operation. The system can be remotely monitored and controlled. An additional screen can be offered to the client that provides live data about the FTO process and influent parameters

DIMENSIONS



CONTACT

Clean Technology Systems Benelux BV - Pascalweg 6, NL-3208KL, Spijkenisse
 info@CTS.green
 www.CTS.green

+31 (0) 683 037 784

