

PROTON'S PEM

VS

ALKALINE

ELECTROLYSIS TECHNOLOGY COMPARISON

Use solid polymer electrolytes

Hydrogen High Pressure (165 bar+) with no mechanical compressors

The only possible impurity of significance in product is H₂O

No need for back up power supply to safely shutdown

100% turndown & any stopping or off-time extends life

Can be installed in general purpose ventilated area

Use caustic KOH as liquid electrolytes

Must maintain a balanced pressure between hydrogen and oxygen

Possible impurities of significant risk in product hydrogen stream include: KOH, O₂, & H₂O

Requires back up power system to safely shut down

Typically only 80 -90% turndown & stopping or off-time shortens life

Must be installed in a Class 1 DIV II Area



PROTON

THE LEADER IN **ON SITE** GAS GENERATION.

Stay Informed!

WWW.PROTONONSITE.COM