

STM 260 PowerUnit Gaseous Fuel Requirements

here: Fuel Contaminant Limits

CONTAMINANT (based on LHV)	MAXIMUM PERMISSIBLE LEVELS - ALL GASEOUS FUELS -
Sulfur Compounds as H ₂ S ⁽²⁾	(mg H ₂ S/MJ) 99 (µg H ₂ S/Btu) 104 (ppmv/kJ) 2.44 (ppmv/Btu) 2.57
Nitrogenated Compounds as NH ₃	(mg NH ₃ /MJ) 12.3 (µg NH ₃ /Btu) 13.0 (ppmv/kJ) 0.61 (ppmv/Btu) 0.64
Organic Halides as HCl ⁽³⁾	(mg HCl/MJ) 9.57 (µg HCl/Btu) 10.1
Organic Silicon as D4 ⁽⁴⁾	5
Dust/Particulates/ Inorganic Silicon ⁽⁵⁾	(mg/MJ) 1.5 (µg/Btu) 1.58 (size-microns) 100 (distribution) 50% @ < 10 microns

The Fuel Contaminant Limits above are the total allowable levels inclusive of both the fuel gas and the combustion air.

Please consult [rockenergy](#) for applications where the above contaminant limits in the fuel are exceeded or are present in the combustion air.

- (1) Contaminant Limits above the values shown may affect the service life and warranty of some package components.
- (2) Total sulfur level should be inclusive of all sulfur in the fuel and combustion air and be expressed as hydrogen sulfide (H₂S).
- (3) Total halide compound level should be inclusive of all chlorine and fluorine compounds in the fuel and combustion air.
- (4) Total organic silicon level should be inclusive of all organic (siloxanes) silicon compounds in the fuel and combustion air, reported as D4 - Octamethylcyclotetrasiloxane.
- (5) Total particulate level should be inclusive of all inorganic (siloxanes) silicon compounds and dust/particulates in the fuel and combustion air.