

Outline of Halon Decomposition Treatment

1. Flow of Halon Decomposition Treatment

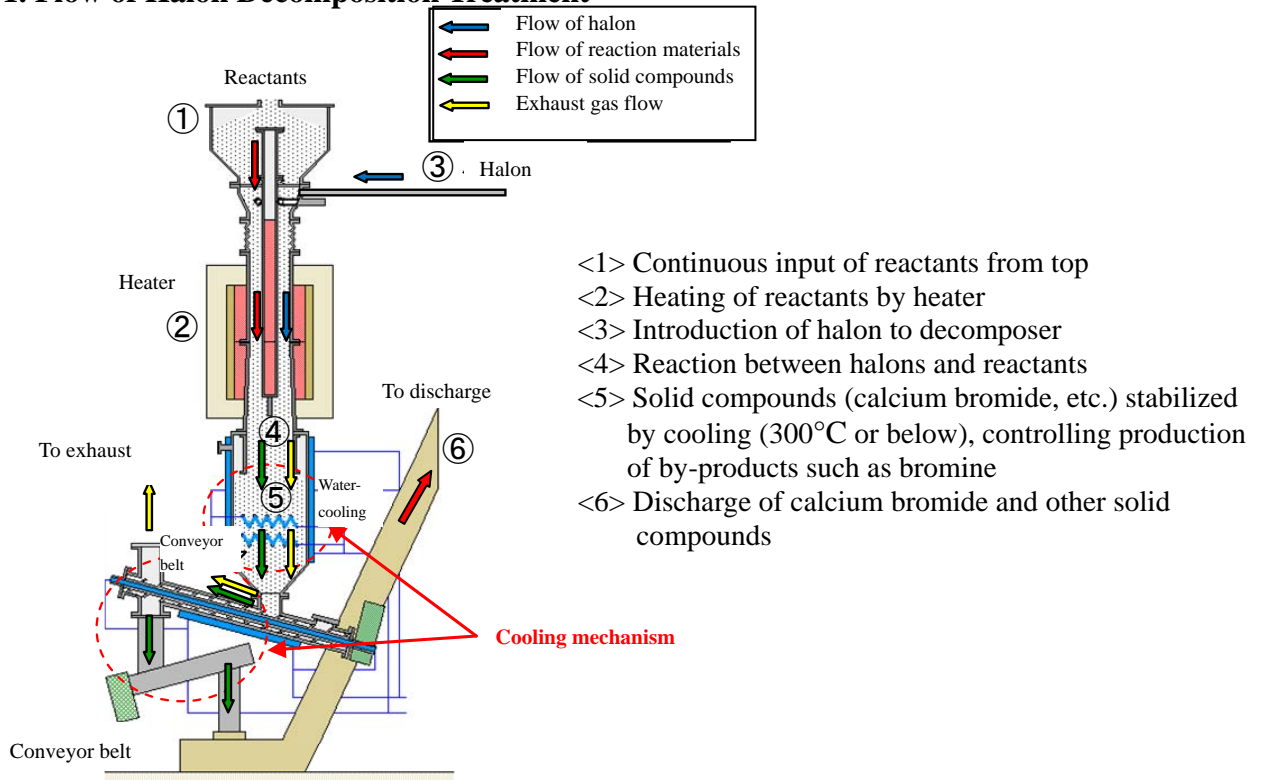


Figure 1 Main components of halon decomposer

2. Overview of treatment equipment

Target	Halon 1301, Halon 2402	Processing temperature	850°C
Dimensions	(W) 7.4 m × (D) 2.0 m × (H) 5.7 m	Mass	5,300 kg
Processing capacity	3 kg/h		



Figure 2 External view of halon decomposer

3. Result of Halon Decomposition Treatment

	Reference values stipulated by the Guidelines on the Destruction of Halon in Japan	Result	
		Halon 1301	Halon 2402
Halon decomposition rate (%)	99.9 or more	99.98 or more	99.98 or more
Concentration of undecomposed halon in exhaust gas (ppm)	15 or less	Not detected	Not detected
Harmful by-products			
Carbon monoxide (mg/Nm ³)	Less than 100	Not detected	Not detected
Hydrogen chloride (mg/Nm ³)	Less than 100	Not detected	Not detected
Hydrogen fluoride (mg/Nm ³)	Less than 5	Not detected	Not detected
Bromine (mg/Nm ³)	Less than 5	Not detected	Not detected
Dioxin (ng-TEQ [*] /Nm ³)	1.0 or less	0.0000025	0.00000057

*TEQ: Toxic equivalency quantity; a unit of quantity of dioxin that considers degree of toxicity