

[Abstract]

An object is to reduce the amount of an un-denitrated flue gas flowing through to downstream of a flue gas denitrizer. A seal structure (20) is the seal structure (20) that seals a gap formed between a duct (2) in which a flue gas flows through and a flue gas denitrizer (6) arranged in the duct (2). The seal structure (20) includes: a sealing device (22) fixed to the duct (2) and arranged in a gap; a seal plate (23) fixed to the flue gas denitrizer (6), arranged in the gap, and abutting against or being close to the sealing device (22); and a first plate type catalyst (24) fixed to the flue gas denitrizer (6), arranged in the gap, and configured to push the sealing device (22) against the seal plate (23). The first plate type catalyst (24) is formed of a denitration catalyst.