【CLAIMS】

【Claim 1】

A grid-shaped pressure tank having a hollow part therein, comprising:

an internal grid part 100 having a plurality of grid plates 10 therein to form a hollow part 110 therein, the plurality of grid plates being disposed to be spaced apart from each other in a length direction, a width direction, and a height direction; and

a wall surface 200 formed to enclose an outer surface of the internal grid part 100,

wherein the internal grid part 100 further includes a reinforcing grid plate 20 formed at both ends in a length direction in a width direction and a height direction, and

wherein the reinforcing grid plate 20 includes a side reinforcing grid plate 21 formed along a side surface of the internal grid part 100; and an end surface reinforcing grid plate 22 formed along an end surface of the internal grid part 100.

【Claim 2】

The grid-shaped pressure tank of claim 1, wherein the reinforcing grid plate 20 further includes:

a first side reinforcing grid plate 21-1 bent at both ends of the side reinforcing grid plate 21 to extend in the length direction of the internal grid part 100; and

a first end surface reinforcing grid plate 22-1 extending at both ends of the end surface reinforcing grid plate 22 to be connected to both ends of the first side reinforcing grid plate 21-1.

【Claim 3】

The grid-shaped pressure tank of claim 1, wherein the

internal grid part 100 includes the grid plate 10 having a cut part 1 formed by cutting.

【Claim 4】

The grid-shaped pressure tank of claim of claim 1, wherein the grid plate 10 includes:

a gas passing part 2 for a gas flow; and

a liquid passing part 3 for a liquid flow.

【Claim 5】

The grid-shaped pressure tank of claim of claim 1, further comprising:

a secondary wall surface 300 formed at an outside of the wall surface 200.