

ABSTRACT

A heat exchanger includes: a flow passage unit arranged with a plurality of planar flow passage bodies each arranged with two flow passages adjacent to each other in a same plane, the plurality of the planar flow passage bodies being layered in an intersecting direction that intersects with the plane, and in two of the planar flow passage bodies adjacent in the intersecting direction of the plurality of the layered planar flow passage bodies, each one of two flow passage ports in both ends of each of the flow passages of one of the planar flow passage bodies is connected to each one of two flow passage ports in both ends of each of the flow passages of another of the planar flow passage bodies; and a high-pressure pipe that covers an outside of the flow passage unit.