

Coil Case Types

All the case types listed below can be constructed with level tubes or with tubes pitched for condensate drainage.

■ STANDARD CASE

This case has a perimeter flange enclosing the finned area, with headers, connections and return bends (if applicable) extending beyond the casework. This is the lowest cost case option and is appropriate for applications with a low airside pressure drop across the fins, where absolute air-tightness of the process air stream is not essential.

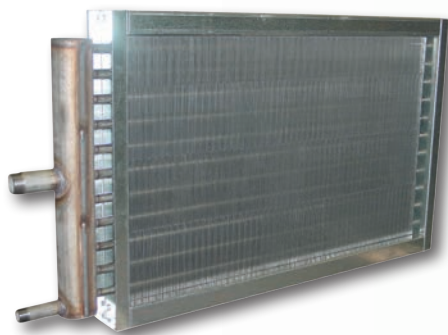
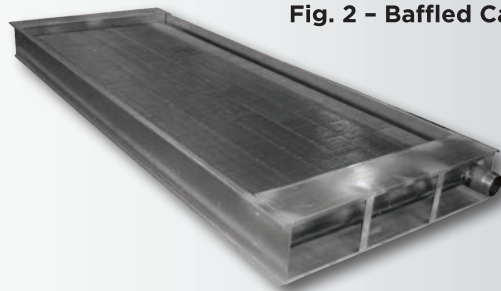


Fig. 1 - Standard Case

Fig. 2 - Baffled Case



■ BAFFLED CASE

Like a standard case, but the casework extends over the headers to block airflow from bypassing around the headers or returns. It is a cost-effective way to prevent the airstream from traveling around the fin bundle. Like the above standard case option, the baffled case is appropriate when keeping the process air stream airtight is not critical.

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■ SLIDE-OUT CASE

Essentially a baffled case with an airtight front cover for easy installation and removal from an external housing and/or duct work thereby reducing downtime for inspection, cleaning or maintenance. This case design is a good choice for applications with high hygiene standards or dirty airstreams that require frequent cleaning of the fins. The bolted front plate ensures that process air will not leak into the plant environment.

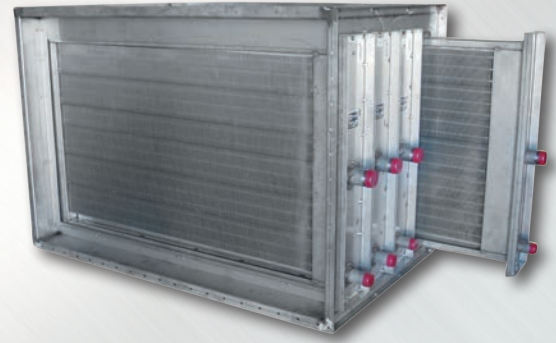


Fig. 3 - Slide-Out Case



Fig. 4 - Airtight Case

■ AIRTIGHT (DUCT MOUNT) CASE

Completely enclosed headers and finned area with only the connections extending beyond the case. This case can be constructed either as nominally airtight (riveted construction) or welded airtight. The airtight case design has a bolting flange around the perimeter of the case to enable the coil to be easily mounted in a duct.

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