

TECHNICAL DATA SHEET

Implosion Relief Damper

IRD

PRODUCT LINE

IRD - Implosion Relief Damper



APPLICATIONS

- Relief of negative pressure operation to assure no flue gases can escape during standard operation
- For use in engine exhaust, heating appliances, and other fuel-fired equipment

PRINCIPLE OF OPERATION / FUNCTION / PURPOSE

- During normal operation, the spring keeps the cover plate closed. If the combustion air damper is closed at the burner due to a blackout, the chimney cannot draw in air through the boiler
- The “Missing” air now returns through the implosion damper. This prevents the so-called Joukowski shock by immediately opening the cover plate
- I.E., if the flue gases are cut off from the chimney during a sudden appliance shutdown, the negative pressure in the chimney may contract or warp the connecting breeching

FEATURES

- All stainless-steel construction
- Heavy-duty design

FEATURES

- All Flange or factory welded to a fitting
- Can be installed vertically or horizontally

