Commercial Exhaust Damper
Specification Sheet

Navien Commercial Exhaust Backflow Dampers are designed to be used with multi-unit cascade installations to isolate the vent system from each boiler to prevent backflow of flue gases while minimizing heat loss.



FEATURES

- Certified to UL1738 and ULC S636 Special Gas Vent systems
- Damper construction features a full perimeter stainless steel blade seal, suitable for high temperature operation with low leakage.
- Single wall construction with no adapters required* (*for PVC/CPVC only)
- Adjusts to the OPEN position during boiler operation (CLOSED during shutdown)
- Required for all NFB700-C boiler installations with common vent

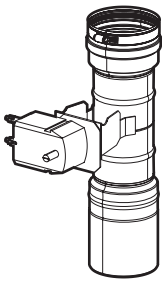
NAVIEN EXHAUST BACKFLOW DAMPER includes:

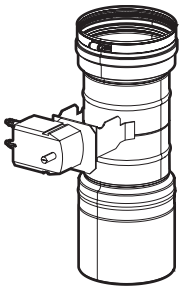
- One (1) Motorized Backflow Damper with Integrated Adapter
- Comes with 4-Wire (Blue, Brown, Orange, Gray) connection

PART NUMBERS

GXXX002990 4" Motorized Backflow Damper
GXXX002991 6" Motorized Backflow Damper

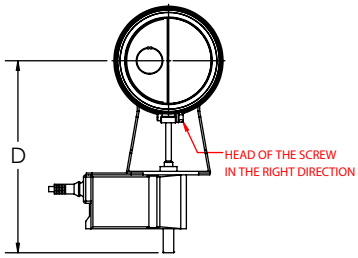
SPECIFICATIONS



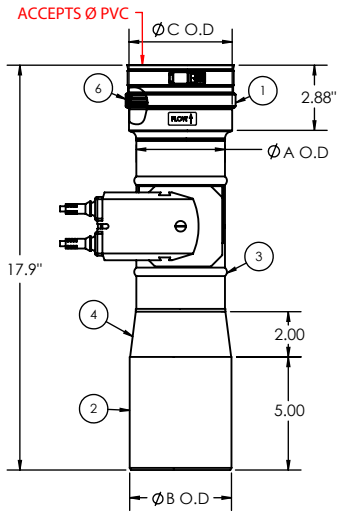


<4" for NFB700-500C/600C> **<6" for NFB700-800C/1000C>**

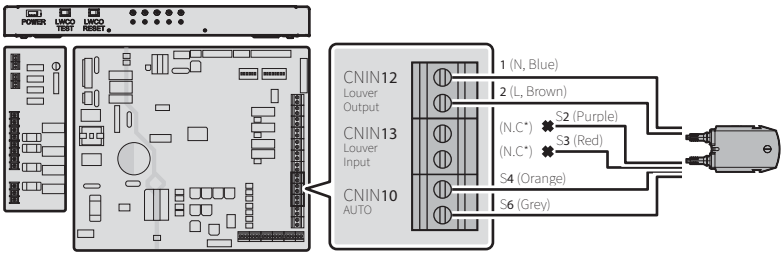
Part Name	Common Vent Damper Kit
Vent Diameter	4" for NFB700-500C/600C 6" for NFB700-800C/1000C
Part Number	4" - GXXX002990 | 6" - GXXX002991
Material	AL 29-4C



ØA O.D	ØB O.D	ØC O.D	D
3.93	4.50	4.56	8.55
5.89	6.62	6.68	9.56



Wiring Diagram - Common Vent Damper System



* The cables labeled S2 and S3 (marked as N.C.) are not connected to the PCB. Insulate the cable ends with electrical tape.

Note

- AC Power Wiring: Connect Louver Output terminal (**CNIN12**) to Motor Terminal #1 (blue) and #2 (brown).
- Motor Status Feedback Wiring: Connect AUTO terminal (**CNIN10**) to Motor Terminal #S4 (orange) and #S6 (grey).
- The damper motor is connected using dry contact terminals.

Navien reserves the right to change specifications at any time without prior notice