

QUICK SELECT GUIDE

Negative Internal Pressure ←

→ Positive Internal Pressure

Atmospheric & Fan Assisted Appliances (Cat I & II)

Forced Draft (Fan / Blower Equipped) Appliances (Cat III & IV)

Acceptable types of venting materials:

Acceptable types of venting materials (sealed joints required):

UL441 Type "B" Gas Vent & Aluminum liners in masonry chimneys

UL1738 / ULC S-636 Listed system [316L or AL29-4C systems]

UL641 Type "L" Oil & Gas Vent (not often used but permitted)

UL103 Pre-fab metal chimneys

UL103 Pre-fab metal chimneys (not often used but permitted)

DuraVent Type B Gas Vent,
DuraFlex Aluminum, DuraSeal
DS, DSD, DSID or Flex,
DuraStack or DuraStack Pro



I



III DuraStack
DAS or DIS



DuraStack Pro
DCL, DAS1, DIS1,
DIS2 or DIS4



DuraSeal DS,
DSD, DSID or
Flex



FasNSeal,
FasNSeal W2,
FasNSeal Flex



No Continuous Condensation in Vent



Continuous Condensation in Vent

II

IV

Acceptable types of venting materials (drains required):

Acceptable types of venting materials (sealed joints & drains required):

UL1738 / ULC S-636 Listed system [316L or AL29-4C systems]

UL1738 / ULC S-636 Listed system [316L or AL29-4C systems]

Some plastics approved but be careful

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DuraSeal DS,
DSD, DSID or
Flex



FasNSeal,
FasNSeal W2,
FasNSeal Flex



PolyPro,
PolyPro Flex



DuraSeal DS,
DSD, DSID or
Flex



FasNSeal,
FasNSeal W2,
FasNSeal Flex



PolyPro,
PolyPro Flex

Note: Above generalities apply for purposes of appliance / vent category definitions. Strong consideration should also be given to the environment surrounding the vent system and the influence it will have on the flue gas temperatures. For example: a Cat. I or III appliance can easily generate conditions in the vent that are like Cat. II or IV (continuous condensate) if its vent is routed through a cold area. In very cold climate areas, the majority of the Cat. I or III venting system should be installed within the heated structure in order to reduce / prevent continuous condensation from occurring. In the extreme cold, icing at the vent outlet could occur and lead to unsafe venting – particularly with a Cat. II or IV system.

Product Information

- **DuraVent Type B Gas Vent**
 - Double wall
 - Material: Aluminum inner wall, Galvanized outer wall
 - Fuel types: Nat. gas or Propane
 - Category I
- **DuraSeal**
 - Fuel types: Gas or Oil
 - Category I, II, III or IV
 - DS
 - Single wall
 - Material: 316L or AL29-4C
 - DSD
 - Double wall with 1+air gap
 - Material: 316L or AL29-4C inner wall; 441ss outer wall
 - DSID
 - Double wall with 2+insulation
 - Material: AL29-4C inner wall; 441ss outer wall
 - Flex
 - Single wall
 - Material: AL29-4C
- **FasNSeal (FNS)**
 - Fuel types: Gas
 - Category II, III or IV
 - FNS
 - Single wall
 - Material: AL29-4C
 - FNS W2
 - Double wall with ½+air gap
 - Material: AL29-4C inner wall; 304ss outer wall
 - FNS Flex
 - Single wall
 - Material: AL29-4C
- **PolyPro**
 - Single wall
 - Material: Polypropylene
 - Fuel types: Gas
 - Category II or IV
- **DuraStack**
 - Fuel types: Gas, Liquid, Oil or Solid fuel
 - Category I or III
 - DAS
 - Double wall with 2+air gap
 - Material: 304ss or 316ss inner wall; 304ss, 316ss or Galvalume outer wall
 - DIS
 - Double wall with 2+insulation
 - Material : 304ss or 316ss inner wall; 304ss, 316ss or Galvalume outer wall
- **DuraStack Pro**
 - Fuel types: Gas, Liquid, Oil or Solid fuel
 - Category I or III
 - DCL
 - Single wall
 - Material 304ss or 316ss
 - DAS1
 - Double wall with 1+air gap
 - Material: 304ss or 316ss inner wall; 304ss or Galvalume outer wall
 - DIS1
 - Double wall with 1+insulation
 - Material: 304ss or 316ss inner wall; 304ss or Galvalume outer wall
 - DIS2
 - Double wall with 2+insulation
 - Material: 304ss or 316ss inner wall; 304ss or Galvalume outer wall
 - DIS4
 - Double wall with 4+insulation
 - Material: 304ss or 316ss inner wall; 304ss or Galvalume outer wall
- **DuraStack or DuraStack Pro alternative applications**
 - Engine / Generator exhaust
 - Commercial kitchen exhaust (not DAS)

The logo for DuraVent, featuring the brand name in a bold, blue, sans-serif font with a registered trademark symbol.