



GLOBAL IFS®

Underfloor Air Distribution System

Underfloor Deflection Grille (UDG/UDGD)



SYSTEM OVERVIEW

The Underfloor Deflection Grille (UDG) serves as a supply diffuser for underfloor air channels. The UDG will evenly disperse air from high velocity ductwork into the underfloor plenum, ensuring an even pressure and temperature distribution.

Directional vanes and a patented blade indexing device lock each blade into position to prevent unwanted changes in blade deflection. The UDG with integral damper (UDGD) serves as a supply diffuser for underfloor air channels while providing modulation capabilities. The damper can be controlled by Global controls or easily integrated into a third-party control system.

Features

- Grille only (UDG) and integrated damper option (UDGD).
- Robust coated steel frame provides added strength to grille assembly
- Low profile frame on top and bottom allow for maximization of duct opening
- Damper integrated into grille for simple one-piece

Solid Construction

Streamlined 1¼ in. blades positioned on 1½ in. centers

Maximum blade length is 18 in

Individually adjustable blades that lock into position at 0, 15, 30 and 45° deflection in both directions

Blade indexing device is stainless steel; other hardware is mill or coated steel

Color options include white powder coat – B12, black powder coat – B17, mill finish – Mill

For optional and special finishes, see color matrix

Flexibility in Design

All sizes within minimum and maximum range available in 1 in. increments

- Minimum size: 12 x 12 in.
- Maximum size: 48 x 18 in.



Underfloor Deflection Grille (UDG)



*Underfloor Deflection Grille with
Integral Damper (UDGD)*