



UV GI Accessory for Daikin Slim Duct Unit FDXM and FXDQ/FXDA

UK.SAF-UVC

UV GI Accessory for Ducted Units

This accessory provides a UVC solution for Daikin ducted units. The specially designed plenum houses UVC tubes, which irradiate the air stream and deactivate pathogens.* The accessory can be attached to a Daikin ducted unit in new installations or as a retrofit.

These plenums have been designed to be attached to Daikin slim and standard ducted units on the supply air side for Split and VRV systems. The plenums are provided as separate accessories and can be fitted to the duct; ductwork is then attached to the spigots. Access hatches on the top and bottom of the box allow the UVC tubes to be added or changed as required.

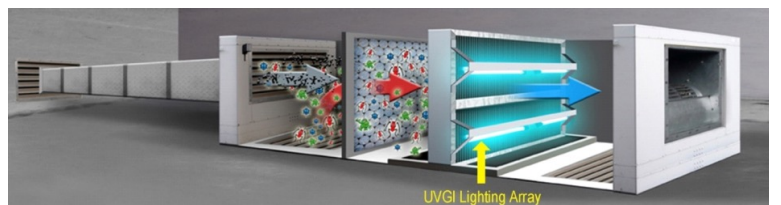
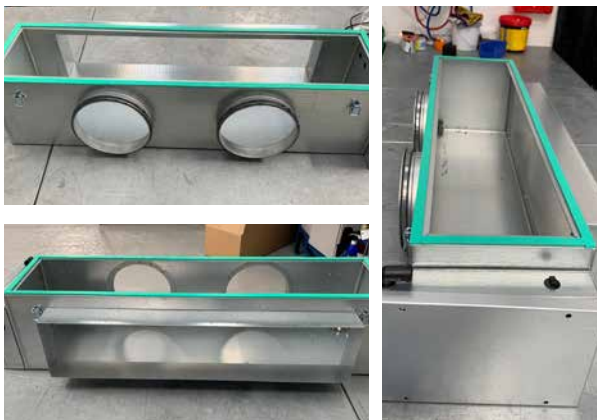
What is UVC? And what is its impact on pathogens?

Daikin has collaborated with the UK distributor of US-manufactured UVC tubes; e-co. Working together, using each other's expertise, Daikin and e-co have created a UVC solution that can be safely and effectively added to a DX system.

UVC operates in the 200 NM wavelength. Irradiation with UVC disrupts pathogen cell structures, rendering them harmless.*

Direct exposure to UVC can cause reddening of the skin and eye damage. However, the UVC tubes are fully enclosed within the accessory structure, offering a completely safe and reliable solution.

*specific claims regarding the effectiveness of UVC and its ability to deactivate Pathogens are made solely by Sterile Air (through its UK distributor e-co), and not verified or endorsed by Daikin UK.



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Specifications

FCU Model	Material Code	Plenum Width (mm)	Plenum Height (mm)	Air Volume M3/s (Nom)	Air Velocity M/s (Nom)	Single UVC EGTS Emitter length (inches)	Av. % Single pass Covid-19 Reduction rate (90%)	Av. % Single pass Covid-19 Reduction rate (99%)
FDXM25F9	UK.SAF5 UVGI	750	200	0.133	0.887	24	100%	99%
FDXM35F9	UK.SAF5 UVGI	750	200	0.133	0.887	24	100%	99%
FDXM50F9	UK.SAF7 UVGI	1150	200	0.243	1.057	42	100%	99%
FDXM60F9	UK.SAF7 UVGI	1150	200	0.246	1.070	42	100%	99%
FXDQ15A3/FXDA15A	UK.SAF5 UVGI	750	200	0.117	0.780	24	100%	99%
FXDQ20A3/FXDA20A	UK.SAF5 UVGI	750	200	0.120	0.800	24	100%	99%
FXDQ25A3/FXDA25A	UK.SAF5 UVGI	750	200	0.120	0.800	24	100%	99%
FXDQ32A3/FXDA32A	UK.SAF5 UVGI	750	200	0.120	0.800	24	100%	99%
FXDQ40A3/FXDA40A	UK.SAF6 UVGI	950	200	0.158	0.878	30	100%	99%
FXDQ50A3/FXDA50A	UK.SAF6 UVGI	950	200	0.183	1.017	30	100%	98%
FXDQ60A3/FXDA60A	UK.SAF7 UVGI	1150	200	0.242	1.052	42	100%	99%

Calculations are based on medium fan speed, values will vary depending on fan speed. UVC reduces in effectiveness with age and it is recommended that the tubes are changed after 9000 hours of operation.

As well as the accessory pack above to complete the solution you also need to order the UVC tube module from the table below:

FCU Model	Material Code	Single UVC EGTS Emitter length [inch's]
FXSQ15/20/25/32A & FXSA15/20/25/32A	UK.UVE16	16
FXSQ40/50A & FXSA40/50A & FBA35/50A9	UK.UVE20	20
FXSQ63/80A & FXSA63/80A & FBA60/71A9	UK.UVE36	36
FXSQ100/125A & FBA100/125/140A	UK.UVE50	50
FXSQ140A & FXSA140A	UK.UVE50	50
FDXM25/35F9 & FXDQ15/20/25/32A3 & FXDA15/20/25/32A	UK.UVE24	24
FXDQ40/50A3 & FXDA40/50A	UK.UVE42	42
FDXM50/60F9 & FXDQ60A3 & FXDA60A	UK.UVE30	30

UVC emitter details

EGTS emitter class SE number based on length in inches, the tubes produce no ozone or other secondary contaminants. UVC tube is included with the plenum.

Terms and conditions

Pathogen reduction claims and report provided by e-co. Daikin does not warranty against the effectiveness of UV technology in reducing Pathogens nor does it warranty against the specific reductions that are indicated in the reports provided by e-co. Daikin accessory will only function with e-co UVC tubes and Daikin does not warranty the equipment for use with other UVC tube makes.

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