

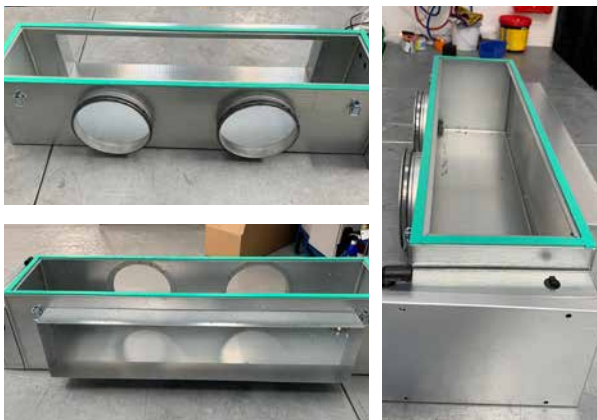


UK.SF-UVC

UVGI 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.



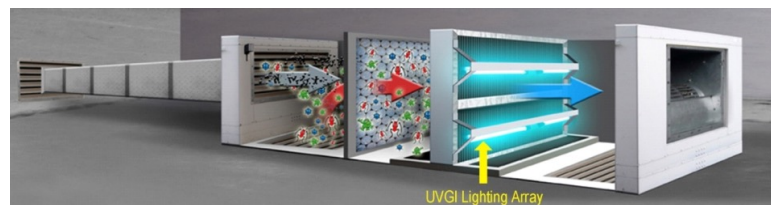
What is UVC? And what is its impact on pathogens?

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.



UV GI Accessory for Ducted Units

Specifications

FCU Model	Material Code	No. of spigots	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%)
FXSQ15A	UK.SF1 UVGI	1	550	245	0.125	0.947	16	100%	93%
FXSQ20A	UK.SF1 UVGI	1	550	245	0.125	0.947	16	100%	93%
FXSQ25A	UK.SF1 UVGI	1	550	245	0.125	0.947	16	100%	93%
FXSQ32A	UK.SF1 UVGI	1	550	245	0.133	1.008	16	100%	77%
FXSQ40A	UK.SF2 UVGI	2	680	245	0.208	1.275	20	100%	55%
FXSQ50A	UK.SF2 UVGI	2	680	245	0.208	1.275	20	100%	55%
FXSQ63A	UK.SF3 UVGI	2	980	245	0.300	1.276	36	100%	74%
	UK.SF3A UVGI	3							
FXSQ80A	UK.SF3 UVGI	2	980	245	0.325	1.382	36	100%	63%
	UK.SF3A UVGI	3							
FXSQ100A	UK.SF4 UVGI	4	1380	245	0.450	1.359	50	100%	68%
FXSQ125A	UK.SF4 UVGI	4	1380	245	0.525	1.585	50	100%	50%
FXSQ140A	UK.SF4L UVGI	4	1530	245	0.567	1.712	50	96%	48%
FBA35A9	UK.SF2 UVGI	2	700	245	0.208	1.238	24	100%	69%
FBA50A9	UK.SF2 UVGI	2	700	245	0.208	1.238	24	100%	69%
FBA60A9	UK.SF3 UVGI	2	1000	245	0.250	1.042	36	100%	99%
	UK.SF3A UVGI	3							
FBA71A9	UK.SF3 UVGI	2	1000	245	0.250	1.042	36	100%	99%
	UK.SF3A UVGI	3							
FBA100A	UK.SF4 UVGI	4	1400	245	0.433	1.289	50	100%	75%
FBA125A	UK.SF4 UVGI	4	1400	245	0.483	1.438	50	100%	60%
FBA140A	UK.SF4 UVGI	4	1400	245	0.483	1.438	50	100%	60%

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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