

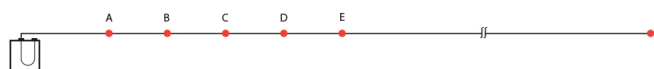
Area Coverage Planner FAAST XM (Model 8100E)

The following data is aligned with BS5839 Part 1 and allows you to quickly calculate the most efficient pipe typology to maximise the number of sampling points* when designing an Aspirating Smoke Detector system (ASD) for the following applications:

- Mission critical (e.g. IT facilities, data centres, clean rooms, telecommunications and archiving facilities)
- Harsh industrial environments (e.g. waste recycling, factories, petrochemical, power generation, food processing)

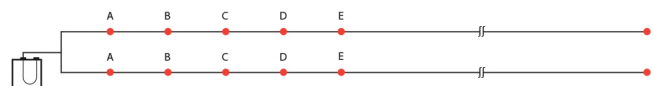
*Sample holes should be spaced at distances not exceeding 10m apart.

I Pipe



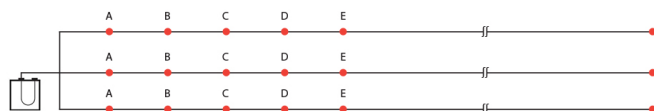
Ceiling Height	Area Coverage	Number of Holes to Cover Area	Maximum Pipe Length Per Branch
3 m	10mx120m= 1,200m ²	11	115m
5 m	10mx120m= 1,200m ²	11	115m
10 m	10mx115m= 1,150m ²	11	110m
20 m	10mx100m= 1,000m ²	11	100m

U Pipe



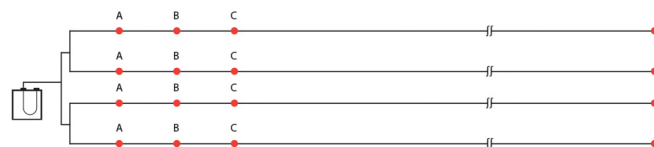
Ceiling Height	Area Coverage	Number of Holes to Cover Area	Maximum Pipe Length Per Branch
3 m	20mx95m= 1,900m ²	20 (2x10)	95m
5 m	20mx95m= 1,900m ²	20 (2x10)	95m
10 m	20mx87.5m= 1,750m ²	18 (2x9)	87.5m
20 m	20mx77.5m= 1,550m ²	16 (2x8)	77.5m

M Pipe



Ceiling Height	Area Coverage	Number of Holes to Cover Area	Maximum Pipe Length Per Branch
3 m	30mx67.5m= 2,025m ²	21 (3x7)	72.5m
5 m	30mx65m= 1,950m ²	21 (3x7)	70m
10 m	30mx60m= 1,800m ²	18 (3x6)	65m
20 m	30mx55m= 1,650m ²	15 (3x5)	60m

Double U Pipe



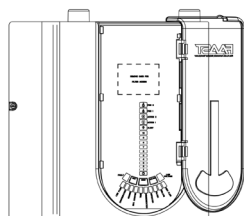
Ceiling Height	Area Coverage	Number of Holes to Cover Area	Maximum Pipe Length Per Branch
3 m	40mx50m = 2,000m ²	20 (4x5)	60m
5 m	40mx50m = 2,000m ²	20 (4x5)	60m
10 m	40mx50m = 2,000m ²	20 (4x5)	60m
20 m	40mx42.5m = 1,700m ²	20 (4x5)	52.5m

Please note that each pipe layout must be supported by a PipelQ Certificate of Conformity ensuring that the protected area meets the system classification to EN54-20.

FAAST XM (Model 8100E)

The FAAST XM specification includes:

- Three-stage filtration including particulate wing separator and replaceable harsh filter
- Red IR & Blue LED dual optical chamber
- Modbus networking
- IP connectivity enabled
- Continuous environmental calibration
- K3 seismic stability to 9G
- Pre alarm for Class A and B



Contact Us

Please contact t Felix Heck on Tel: +49 151 18965125 / Email: felix.heck@honeywell.com for comprehensive design support, technical advice and BIM Modelling. FAAST Aspirating Smoke Detection, KAC House, Thornhill Road, Redditch, UK B98 9ND.

Area Coverage Planner (FAAST LT)

The following data is aligned with BS5839 Part 1 and allows you to quickly calculate the most efficient pipe typology to maximise the number of sampling points* when designing an Aspirating Smoke Detector system (ASD) for the following applications:

- Cold Storage, refrigeration and freezer rooms
- Storage facilities (e.g. warehouses, distribution centres and high roof storage areas)
- Restricted or difficult to access locations (e.g. voids, lift shafts, ducts, custodial facilities)
- Large open spaces (e.g. stadiums, hotels, shopping centres, airports, theatres and indoor sports facilities)
- Discreet detection (e.g. residential, historic buildings, museums, galleries, high-end architecture)

*Sample holes should be spaced at distances not exceeding 10m apart.

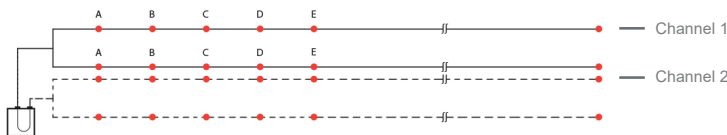
I Pipe single-channel detector

(dual-channel detector = x2 pipe layouts/area coverage)



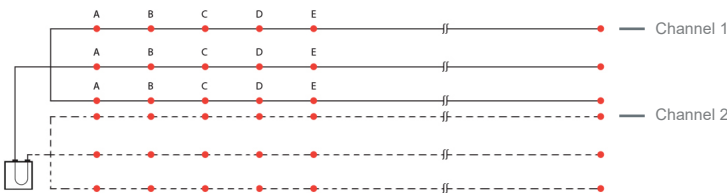
U Pipe single-channel detector

(dual-channel detector = x2 pipe layouts/area coverage)



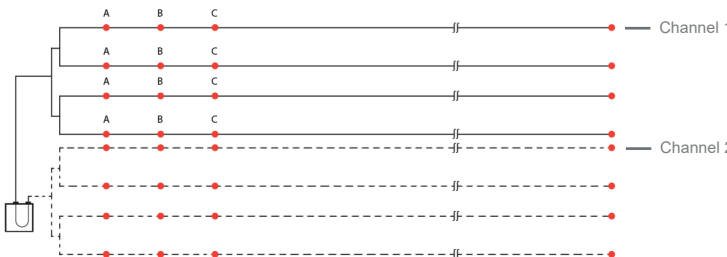
M Pipe single-channel detector

(dual-channel detector = x2 pipe layouts/area coverage)



Double U Pipe single-channel detector

(dual-channel detector = x2 pipe layouts/area coverage)



Please note that the FAAST LT Dual-Channel unit allows you to double the above pipe work layout options from a single device therefore maximising the area coverage from a single ASD unit (see Channel 2 indicated on each pipe layout image above). Each pipe layout must be supported by a PipeIQ Certificate of Conformity ensuring that the protected area meets the system classification to EN54-20. Please note that local application standards may limit area coverage per ASD device.

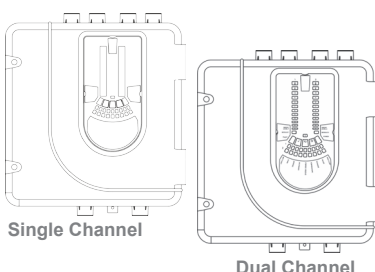
Ceiling Height	Area Coverage	Number of Holes to Cover Area	Maximum Pipe Length Per Branch
3 m	10mx100m=1,000m ²	10	95m
5 m	10mx100m=1,000m ²	10	95m
10 m	10mx95m=950m ²	10	90m
20 m	10mx85m=850m ²	9	80m

Ceiling Height	Area Coverage	Number of Holes to Cover Area	Maximum Pipe Length Per Branch
3 m	20mx75m= 1,500m ²	18 (2x9)	75m
5 m	20mx75m= 1,500m ²	16 (2x8)	75m
10 m	20mx70m= 1,400m ²	16 (2x8)	70m
20 m	20mx61m= 1,220m ²	14 (2x7)	61m

Ceiling Height	Area Coverage	Number of Holes to Cover Area	Maximum Pipe Length Per Branch
3 m	30mx50m= 1,500m ²	15 (3x5)	55m
5 m	30mx50m= 1,500m ²	15 (3x5)	55m
10 m	30mx45m= 1,350m ²	15 (3x5)	50m
20 m	30mx40m= 1,200m ²	15 (3x5)	45m

Ceiling Height	Area Coverage	Number of Holes to Cover Area	Maximum Pipe Length Per Branch
3 m	40mx40m = 1,600m ²	16 (4x4)	50m
5 m	40mx40m = 1,600m ²	16 (4x4)	50m
10 m	40mx38m = 1,520m ²	12 (4x3)	48m
20 m	40mx33m = 1,320m ²	12 (4x3)	43m

FAAST Model: LT



The FAAST LT model specification includes:

- IR optical chamber
- Whisper quiet performance
- Flexible fire panel integration
- IP65 rated
- Ultrasonic airflow monitoring
- Double knock option

Contact Us

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