



GFUT.EX27295 Foam-discharge Outlets

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Foam-discharge Outlets

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FIRETECH EQUIPMENT & SYSTEMS PRIVATE LTD

EX27295

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MUMBAI, MH 400078 INDIA

Foam Chamber models FCA, FCA-S, FCB, FCB-S, FCC, FCC-S, FCD and FCD-S with integral foam maker to aspirate air and discharge air foam solution.

Foam Maker models FMA, FMA-S, FMB, FMB-S, FMC and FMC-S with discharge device models FPA, FPA-S, FPB, FPB-S, FPC and FPC-S respectively, to aspirate air and discharge air foam solution.

The following are discharge rates for the chamber inlet pressures:

Model	Inlet Pressure Range psi	Flow Range GPM	Orifice Diam Range In.
FCA, FCA-S	30 - 40	18 - 34	0.40 - 0.55
FCA, FCA-S	40 - 100	19 - 96	0.40 - 0.70
FCB, FCB-S	30 - 100	51 - 190	0.70 - 0.98
FCC, FCC-S	30 - 100	100 - 390	0.98 - 1.38
FCD, FCD-S	30 - 100	190 - 750	1.38 - 1.92
FMA, FMA-S	30 - 100	18 - 96	0.40 - 0.70
FMB, FMB-S	30 - 100	51 - 190	0.70 - 0.98
FMC, FMC-S	30 - 100	100 - 390	0.98 - 1.38

After determining the required foam solution delivery rate for an installation, the proper size chamber is selected and its solution orifice size is calculated by the following formula:

$D = (Q/CP \ 1/2) \ 1/2$, where

Q = Flow, GPM

D = Orifice Diameter, In.

P = Chamber Inlet Pressure, PSI

C = "Constant" For Each Chamber

"19.30" for FCA, FCA-S

"19.71" for FCB, FCB-S

"19.52" for FCC, FCC-S

"19.50" for FCD, FCD-S

"19.30" for FMA, FMA-S

"19.74" for FMB, FMB-S

"19.52" for FMC, FMC-S

Refer to the individual foam concentrate Listings for operating limitations with specific combinations of foam concentrates and discharge outlets.

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