GFUT.EX27520
Foam-discharge Outlets

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See General Information for Foam-discharge Outlets

FLUID EQUIPMENT INT. BVBA EX27520
RUMBEEKSEGRAVIER 166 UNIT D/E
8800 ROESELARE, BELGIUM

Foam Chamber Models FFC#1, FFC#1S, FFC#2, FFC#2S, FFC#3, FFC#3S and FFC#4, FFC#4S with integral foam maker to aspirate air and discharge air foam solution.

Foam Maker models FFM#1, FFM#1S, FFM#2, FFM#2S, and FFM#3, FFM#3S with discharge device models FDD#1, FDD#1S, FDD#2, FDD#2S, and FDD#3, FDD#3S 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.
FFC#1, FFC#1S	30-40	18 - 34	0.40 - 0.55
FFC#1, FFC#1S	40-100	19 - 96	0.40 - 0.70
FFC#2, FFC#2S	30-100	51 - 190	0.70 - 0.98
FFC#3, FFC#3S	30-100	100 - 390	0.98 - 1.38
FFC#4, FFC#4S	30-100	190 - 750	1.38 - 1.92
FFM#1, FFM#1S	30-100	18 - 96	0.40 - 0.70
FFM#2, FFM#2S	30-100	51 - 190	0.70 - 0.98
FFM#3, FFM#3S	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 FFC#1, FFC#1S

"19.71" for FFC#2, FFC#2S

"19.52" for FFC#3, FFC#3S

"19.50" for FFC#4, FFC#4S

"19.30" for FFM#1, FFM#1S

"19.74" for FFM#2, FFM#2S

"19.52" for FFM#3, FFM#3S

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

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