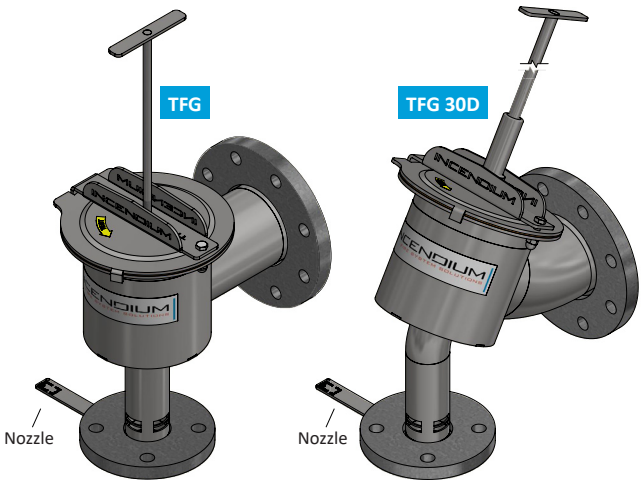
Tank Foam Generator

The Incendium TFG and TFG 30D, Tank Foam Generator and FD, Foam Deflector is designed for extinguishing fires in fixed roof storage tanks. The foam pourer is designed with an integrated foam generator to produce low expanded foam which is spread over the surface of the flammable liquid with the help of the FD.
The TFG 30D is designed to give easy access from tank roofs with protection railing during testing. All TFG units has a built in gas-stop which can be left in place during testing. Foam Generators are defined by NFPA 11 as Type II discharge outlets for delivering foam to the surface of a flammable liquid. The TFG has been tested and certified according to European standard EN 13565-1.
The generators can be used with most types of foam systems like foam pumps, bladder tanks or In-line proportioners.



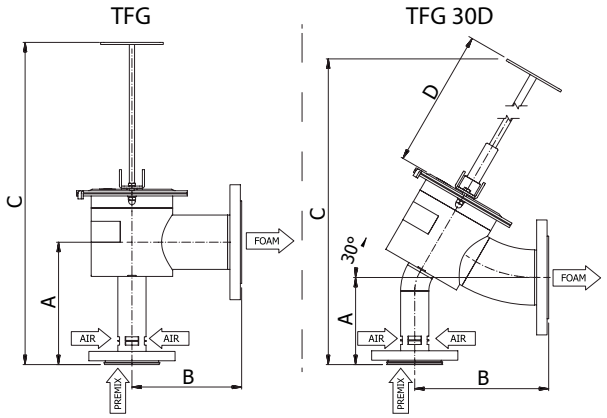
Material:

Body:	Stainless steel (316/316L)
Internals:	Stainless steel (316/316L)
Nozzle:	Stainless steel (316/316L)
Flanges*:	Galvanized Steel

* Stainless steel optional

Product Features

- Stainless Steel body
- Easy access inspection from tank roof, especially the TFG 30D
- Allows foam testing without breaking built in gas-stop
- Simple installation and maintenance
- Certified according to EN 13565-1
- Removable orifice between inlet flanges
- Standard or custom made foam deflectors (FD) depending on tank design



DIMENSIONAL DATA

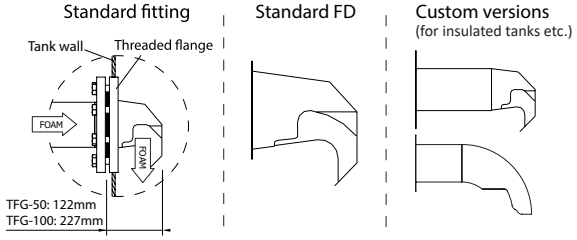
Model	Length [mm]				Inlet*	Outlet*	Weight TFG + FD [kg]
	A	B	C	D			
TFG-50	233	210	615	N/A	DN50 or 2”	DN100 or 4”	14 + 0,5
TFG-100	265	210	680	N/A	DN100 or 4”	DN150 or 6”	24 + 1
TFG-50 30D	155	256	1310	1100	DN50 or 2”	DN100 or 4”	17 + 0,5
TFG-100 30D	205	369	1535	1100	DN100 or 4”	DN150 or 6”	27 + 1

* Inlet/Outlet connection fit: DIN PN16 or ANSI 150 lbs. Pressure class PN10

All parts have been selected for reliable and trouble free service using corrosion resistant materials for low maintenance.

PERFORMANCE DATA

Model	Inlet Pressure [bar]	Water Capacity [lpm]	Foam Expansion Ratio
TFG-50	4-16*	Up to 700	4:1
TFG-100	4-16*	Up to 3,000	4:1
TFG-50 30D	4-16*	Up to 700	4:1
TFG-100 30D	4-16*	Up to 3,000	4:1

Foam Deflector FD

The FD is inserted through flanged connections on the tank and ensures that the foam created in the TFG is spread evenly along the tanks inner wall. For insulated tanks, please contact Incendium.