

Features

Flow range 200-2000 lpm
Good foaming properties
DIN or ANSI flange
For use with Aske foam pourer

Description

The Tyr foam chamber is an air aspirating discharge device designed to deliver foam directly onto the surface of flammable or combustible liquid in a fixed tank protection system. Tyr is available 2x3" up to 4"x8" body size and inlet flange (DIN or ANSI) and flow rates up to 2000 lpm. Tyr foam chambers are installed on the outside of flammable liquid storage tanks just below the roof joint.

Application

The Tyr foam chamber is suitable for use with any foam proportioning systems such as bladder tanks, foam pump or inductor systems in applications such as:

- Petrochemical plants
- Tank farms

Tyr is recommended for use with following foam types:

- Protein, FP or FFFP 3% or 6%
- AFFF 1%, 3% or 6%
- AFFF ARC or FFFP ARC 3x3 or 3x6
- Multipurpose foam

Operation

Foam solution is supplied to a chamber from outside the hazard area, either from a fixed foam-storage and proportioning system or from a dry-pipe semi-fixed system that receives foam solution from a mobile foam apparatus. When foam solution enters the chamber it is expanded and then discharged against a foam pourer mounted inside the storage tank. The foam pourer gently apply the foam against the inside wall of the storage tank, reducing the fuel contamination of the foam.

Technical data

Model	Ø A	Ø B	C mm	D mm	E mm	H mm	Working pressure bar	Flow rate l/min.-5bar	Foam production (1) (2) l/min. - 5 bar	Weight ANSI Kg
Tyr-2	2"	3"	200	500	265	845	3 ÷ 12	200	1500	32 (32)
Tyr-4	2"	4"	200	500	295	845	3 ÷ 12	400	3000	34.6 (36)
Tyr-8	3"	6"	300	600	355	1042	3 ÷ 12	800	6000	70.6 (72)
Tyr-15	4"	8"	300	645	355	1081	3 ÷ 12	1500	11000	84.6 (90)
Tyr-20	4"	8"/10"	400	855	385	1368	3 ÷ 12	2000	14000	123.6 (129.6)

(1) The foam production understands with fresh air, or different indication of another foam producer.

(2) Depending on foam concentrate type



Construction features

- Body material: carbon steel
- DIN or ANSI flanges material: carbon steel
- Rupture disc material: glass
- Orifice material: stainless steel AISI 316
- Finish: red epoxy paint (RAL 3000)

