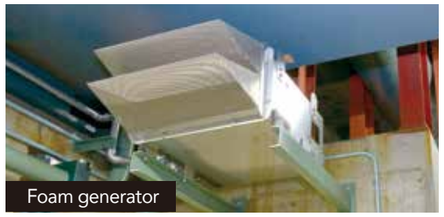
Components


Foam generator


Selector valve


Field operation box


Control panel


Foam tank

System specification

Item		Specification
Application		Tyre warehouses, aircraft hangers, hazardousmaterial handling ares, etc.
Generator	Method	Aspirator method
	Flow rate	40~320ℓ/min at0.49MPa
	Rated pressure	0.49~0.65MPa
	Foam expansion rate	650 times
Foam agent		Special Foam Fire Extinguishing Agent IH-101 (No.25-1) (No.22-2)
Mixture ratio		5%
Mixed method		Pressure proportioner system

Foam generator specifications

	Type	Flow rate (L/min)	Foam expansion rate in smoke condition	Dimensions (WxHxDmm)
1	MFAJ001-40	40	650 times	320x322x1600
2	MFAJ001-80	80	650 times	640x322x1600
3	MFAJ001-160	160	650 times	1280x322x1600
4	MFAJ001-320	320	650 times	1280x642x1600

Outline Drawing of Foam Generator

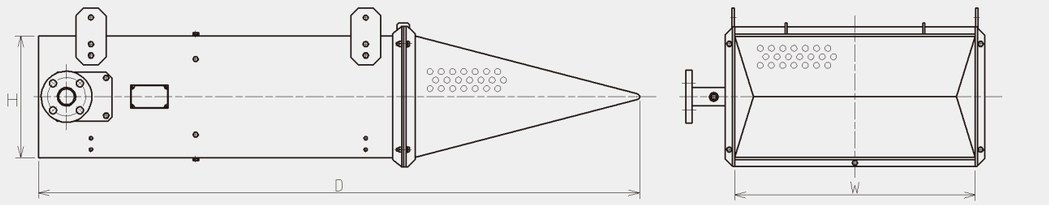


Fig. shows MFAJ001-80

⚠ Safety cautions

- For safety purposes, carefully read the instruction manual before use and properly maintain the system.
- This system is designed for initial fire extinguishing. However, it may not be possible to extinguish a fire depending on the type, size and form of combustible materials.
- The products listed in this catalog are components of fire extinguishing systems.Do not use it for any other purposes.
- This product is different from the fire extinguishing equipment specified by the Fire Service Act.

- The appearance and specifications of this product are subject to change without notice.
- The color of the product in this brochure may be slightly different from the actual product color due to printing concerns.
- For maintenance of your important fire detection system, please contact our authorized distributor.
- The contents of this brochure are correct as of February 2016.

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191015©E-3200YO1

High expansion foam fire extinguishing system

Perf-Ex®

Perf-Ex Inside Air Hi-Ex Systems

Achieved high expansion foam while sucking smoke. This reduces smoke diffusion and liabilities by smoke.

NOHMI

High expansion foaming is achieved even in smoke condition. Smoke is trapped in bubbles to prevent dispersion of smoke.

Feature

1 Achieved a foam expansion ratio of approximately 650 times by aspirator method while aspirating smoke in the fire room.

Traditional high-expansion-foam fire extinguishers have disadvantage that foam expansion rate is remarkably reduced because the generation of foams is inhibited by smoke and hot air flow of combustibles.

2 Smoke is trapped in bubbles to reduce the spread of smoke outside the fire extinguishing area.

As smoke is confined in foam and extinguished in a short period of time, the spread of smoke outside the fire extinguishing area is extremely small compared with traditional fire extinguishing systems, making fire response and evacuation activities easier.

3 This system eliminates the need for air intakes and air outlets on the exterior walls of the building, thereby reducing the overall cost of the facility.

Originally, wall penetration and building reinforcement work for the intake port that draws fresh air from the outside air and the exhaust port that does not increase the internal pressure are required, which not only increases the cost of the entire facility, but also may not be installed depending on the building.

4 The inside air system and its thinner, smaller and lighter design make it possible to install the ceiling in a decentralized manner.

High foam expansion rate is maintained even in smoke condition.

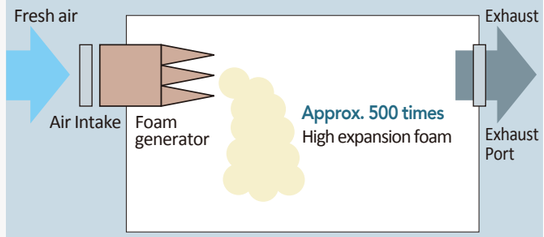
This high expansion foam extinguishing system uses a special foam agent that does not reduce the foaming ratio even if it aspirates the indoor air during combustion.Even if it aspirates smoke and hot air flow from petroleum and rubber fires, the foam expansion ratio is maintained at about 650 times.

Suppresses smoke diffusion by trapping smoke in bubbles

Because smoke is confined in foam and extinguished in a short period of time, smoke is rarely diffused outside the fire extinguishing area.

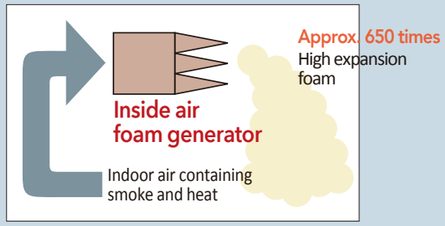
Since bubbles are formed by smoke in the fire room, no air intake and exhaust vents are required on the exterior wall.

Traditional outside air intake system



An air inlet shall be provided on the outer wall, and a foam generator and an air outlet shall be installed.

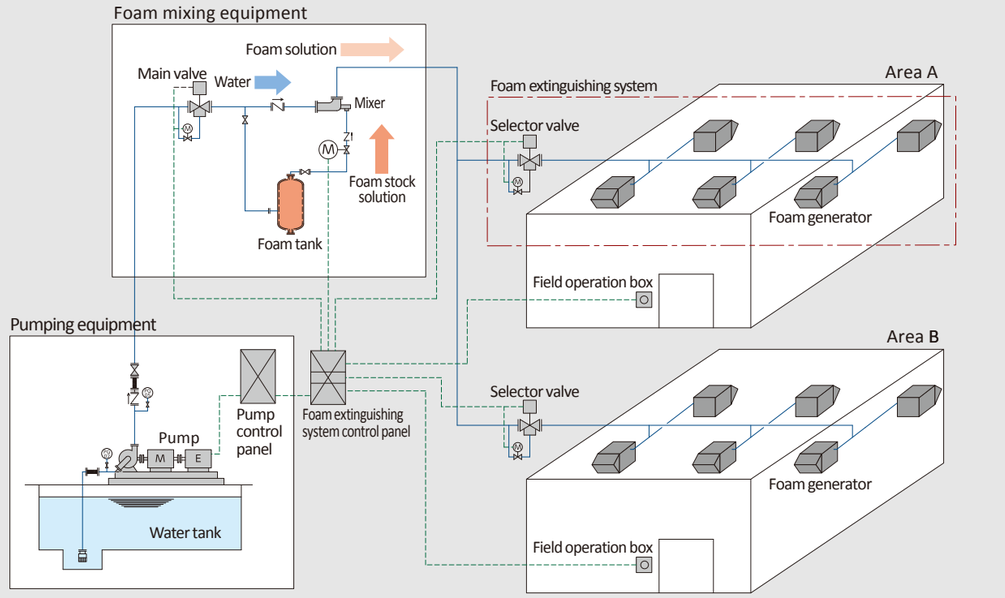
New model Inside air system



Foam generators are installed on the ceiling or the walls of the room. Discharges high expansion foam of 650 times even in air containing smoke and heat.

Perf-EX System image

■ Medium / Large scale systems



■ Small scale systems