

BUND POURER

MODEL: SD-600P, SD-1200P & SD-1800P

DESCRIPTION

The SHIELD Bund pourers are specifically designed and manufactured meeting the highest quality standards ensuring the delivery of high quality homogenized foam to the required area of protection.

These Foam pourers are designed for fire protection systems and Vapor suppression in dike areas surrounding flammable liquid or toxic chemical storage tanks. They are also suited for other applications requiring large volumes of free flowing foam in process areas, warehousing and storage protection. A leak of un-ignited fuel from a faulty valve, a cracked and leaking pipe or an overfill of flammable liquid can threaten the infrastructures existence. These foam pourers produce large volumes of medium expansion foam at a flow rate at 3 bar. The bund pourers are the most efficient and cost effective method of controlling such spillage.

APPLICATION

SHIELD Bund Pourers can be used to protect the following typical hazards.

- Bund/ Dike Protection in tank farms area for flammable liquids products.
- Total flooding of-Basements/ Tunnels & Ducts, mines etc.
- For suppressing flammable/ toxic Vapor.

FEATURES

- Fast Coverage
- Designed to be used on any foam proportioning system.
- Ensures the delivery of high volume of stable foam.
- Operates at low inlet pressure of 3 bar.
- Long throw of unified foam stream.
- Constructed of Stainless Steel Material.
- Ideally suited for tank farm bund protection
- Maintenance free.

SYSTEM DESCRIPTION

The foam water spray system design shall be based on the NFPA 16, NFPA 13, and NFPA 11. Refer NFPA 11, with regard to minimum application rates and discharge times for fixed discharge outlets on diked area involving liquid hydrocarbons.

The SHIELD SD 600, 1200, 1800 foam pourers has a flow range between 600 LPM-1800 LPM and it operates at inlet pressures of 3 bar. Such low pressure operation minimizes the water requirements and pumping capacities which ensures a cost effective system.



MAINTENANCE

Periodic inspection need to be made by authorized technical personnel. The nozzle must be checked for possible obstruction or deposits of foreign objects. If deposits are found the nozzles need to be cleaned and flushed. The system must be operated with optimum water flow at least once a year or as per the recommendation made by NFPA or as per authority having jurisdiction.

TECHNICAL DATA

Model	Flow Rate @ 3 bar	Foam Output
SD-600P	600 LPM	24 m ³ / min
SD-1200P	1200 LPM	48 m ³ /min
SD-1800P	1800 LPM	72 m ³ /min
Inlet Connection	2½" Flange / Male Instantaneous	
Material	Stainless Steel	

MATERIAL OF CONSTRUCTION

Shell	Stainless Steel
Nozzle	Brass or Gun Metal
Foam Screen	Stainless Steel
Coupling	GM/Al/SS