MONITOR NOZZLES

MODEL AG-ABA-BZ

Bronze Self-Induction Nozzle



TECHNICAL DATA

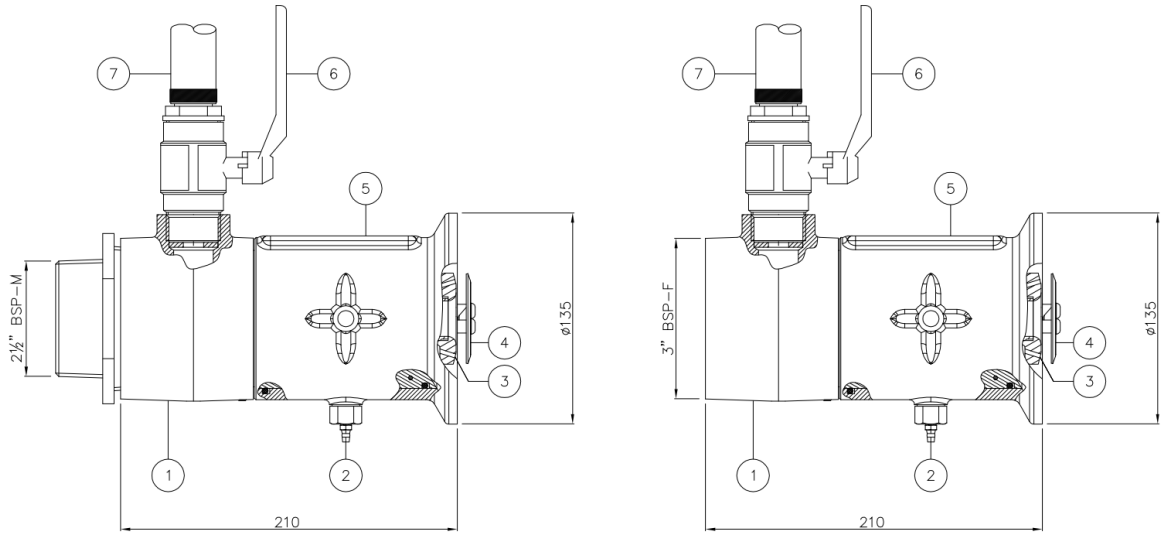
Model	AG-ABA-BZ
Materials	Bronze
Connection	Threaded 2 ½" BSP-M or 3" BSP-F
Proportioning ratio	3%
Weight	AG-ABA-BZ: 8kg
Flow Rate	500 to 4000 lpm at 7 bar

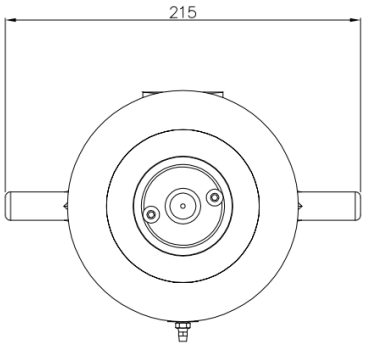
FLOW

POSITION	NAME	MATERIAL
1	Threaded 2 ½ " BSP-M or 3" BSP-F	Bronze casting
2	Greaser	Stainless steel AISI 316
3	Flow Control Plate	Brass
4	Deflector	Stainless steel AISI 316
5	Nozzle body	Alluminum-bronze alloy
6	1" BSP Male/Female ball valve	Crommed brass
7	Flexible aspirating pipe (L=2.5m)	Reinforced PVC

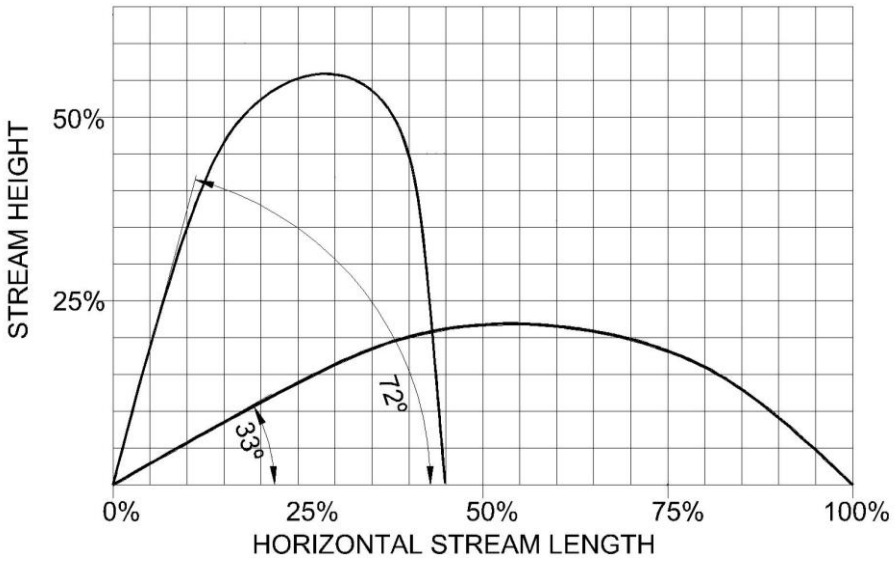
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DIMENSIONS





FLOW TRAYECTORY



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PERFORMANCE DATA

MODEL	SET FLOW RATE lpm (gpm)	NOZZLE PRESSURE bar (psi)	REAL FLOW RATE lpm (gpm)	STRAIGHT STREAM FOAM RANGE meters (feet)
AG-ABA-BZ	1000 (264)	5 (73)	845 (223)	28 (92)
		7 (102)	1000 (264)	35 (115)
		9 (130)	1134 (300)	42 (138)
	1500 (400)	5 (73)	1261 (330)	31 (102)
		7 (102)	1500 (400)	44 (144)
		9 (130)	1692 (450)	51 (167)
	2000 (528)	5 (73)	1690 (446)	35 (115)
		7 (102)	2000 (530)	47 (154)
		9 (130)	2268 (600)	53 (174)
	2500 (660)	5 (73)	2106 (556)	40 (131)
		7 (102)	2500 (660)	47 (154)
		9 (130)	2826 (746)	53 (174)
	3000 (792)	5 (73)	2535 (670)	43 (141)
		7 (102)	3000 (792)	50 (164)
		9 (130)	3402 (900)	57 (164)

Some ranges based on exterpolation of existing data and observations. Data are based at 33 deg. Nozzle elevation. The reach is reduced from to 8 to 14% when premixed water foam solution.

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INSTALLATION, TESTING AND MAINTENANCE

First of all, after unpacking the nozzle check that it does not have any apparent damage. Do not install the nozzle if show something irregular.

The nozzle must be installed, inspected and tested by a qualified and trained person. It must be inspected regularly for possible damage or dirt around the moving parts. If any abnormal conditions are observed such as poor discharge, excessive wear, water leak, corrosion effect, damage etc., then nozzle must be taken out of service and repaired by a qualified technician or replaced.

The debris trapped in the nozzle may affect the nozzle performance. To remove trapped debris, the water flow must be stopped and thereafter carefully unscrew and remove the nozzle deflector. Clean the nozzle and reassemble. While re-assembling the nozzle or as a normal preventive maintenance, water proof lubricant must be used on seal and moving parts for smooth operation. The nozzle must be operated periodically under full flow straight stream and for fog pattern.

Under normal condition water must be flown through the nozzle periodically and dirt around exterior moving parts must be cleaned, allowing nozzle to operate properly.

The nozzle must be inspected prior to and after each use. Greasing the moving parts and 'O' ring is required periodically. Over a time the seals may need to be replaced.

The owner is responsible for maintenance of the nozzle in proper operating condition.

After use with foam, nozzle should be flushed with fresh water.

CAUTION

A trained personnel for fire fighting, with appropriate guidance & training must use the product to reduce the risk or injury. The nozzle must be fixed to the monitor carefully. The mismatched or damaged threads may cause leakage or uncouple the nozzle during operation.

Application of water or foam on an electric appliance can cause serious injury by electrocution, as water is a conductor of electricity.

The water supply to the nozzle must be gradual. Sudden surge of water supply must be avoided. The monitor mounting must be supported properly to support the nozzle reaction force.

ORDERING INFORMATION

Model	
Quantity	
Connection	

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  - Accessories
- System Valves
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  - Dry
  - Preaction Equipment
  - Accessories
- Spray System Open Nozzles
  - High Velocity Nozzles
  - Medium Velocity Nozzles
  - Window Nozzles
  - Hydroshield Nozzles
  - Mushroom Type Nozzles
- Foam equipment
  - Tanks
  - Proportioners
  - Foam Discharge Equipment
  - Foam Concentrates
- Deluge equipment for Water Spray and Foam
  - Clapper Deluge Valves
  - Diaphragm Deluge Valves
- Monitors
  - Manual Monitors
  - Remote Monitors
  - Monitor Nozzles
  - Towers and Trolleys
- Valves
  - Butterfly Valves
  - Gate Valves
  - Check Valves
  - Pressure Control Valves
  - Test and Drain
  - Hose, Hydrant and Fire Connection Valves
  - Fire Department Connections

The equipment presented in this data sheet is to be installed in accordance with the latest published Standards of the national fire protection association (NFPA), FM Global, LPCB, VdS or other similar organizations, also with the provisions of governmental codes or ordinances whenever applicable.
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