



MOBILE UNITS

HIGH FLOW MOBILE/STATIONARY/FOAM WATER MONITORS 2,000-4,000 GPM (7570-15,140 LITERS)

DESCRIPTION

The Buckeye High volume Delivery Device is a large and dependable industrial grade monitor designed for use where high flows of water or foam are required. It has the capability of being stationary, skid mounted or on a trailer. When on a trailer, the unit can be towed to the emergency site. The trailer base, frame and monitor assembly are manufactured in carbon steel and painted with red enamel paint. (Other paint options available on request.)

The monitor is easy to place into operation. Worm gear drive hand wheels control elevation and horizontal movement. The nozzle is a constant flow device and changing the nozzle discharge pattern from straight stream to wide angle fog during operation will only marginally alter the flow. Remote jet pump controller(s) are water powered using a takeoff from the monitor supply. Similar to an eductor, they pickup the foam concentrate and feed a rich foam solution through a 2-½", 50 ft. (15 meter) length of fire hose to the foam nozzle inlet where it mixes with the water supplying the monitor.

NOTE: It is recommended by Buckeye that the operational manual supplied with the monitor is read and the operating guidelines are understood before any testing or operation of the monitor is undertaken.

FEATURES

Monitor

Depending on the flow rate, a full 4" or Full 6" (150mm) carbon steel waterway with pressure gauge. The monitor is capable of full 360° rotation. Grease fittings at all swivel connections and provide lubrication to all bearing surfaces.

Nozzle

High performance foam/water nozzle can be provided with a factory preset flow range of 2,000 gpm to 4,000 gpm. Both the nozzle and foam concentrate diffuser attachment are constructed in aluminum with the nozzle having a full discharge pattern selection capability of wide angle fog to straight stream during operation. When required, the foam solution inlet into the nozzle from the jet pump controller is 2-½" NST. The grease fitting in the nozzle ensures smooth operation when rotating the nozzle through its discharge patterns.

FOAM CONCENTRATE CONTROLLERS

The jet pump controller is used to supply the monitor with the correct quantity of foam concentrate. It has a 2-½" (63 mm) FNST inlet, a 2-½" (63 mm) MNST outlet and a 2" (50 mm) MNST inlet for the foam concentrate pickup hose assembly. A preset foam concentrate inlet orifice is supplied with each controller based on the standard monitor foam solution flow rate of 2,000 gpm. Other size orifices are available if other monitor flow rates are required. The pickup hose assembly is 10' in length and has a tube attached that is suitable for use with 55 gallon (210 liter) drums. When using 3% foam concentrate one controller is required for monitor flows up to 2,000 gpm. Two controllers are required for monitor flows above 2,000 gpm or for 6% application.



TRAILER

Carbon steel construction with checker plate deck, 2" (50 mm) ball type trailer hitch, three stabilizer jacks, one that swings away at the front of the trailer and the two rear outriggers that retract when not in use. The two rear outriggers include anchor pegs for soft ground conditions. The trailer has a single axle, with 3500 lb. suspension, 75015 standard load tires and rims. Storage box at front of trailer is sized for foam (7,570-15,140 liters) concentrate controller(s) and outrigger anchor pegs. Water supply connections on the trailer for the monitor are two 5" (125 mm) Stortz couplings. The trailer can be equipped with surge brakes and lights for over the road use if required.

RANGE

Range in still air to the center of the impact area/footprint with nozzle at 35° above the horizontal, straight stream/ nozzle inlet pressure, at:

Flow rate	80 psi (5.5 Bar)	100 psi (7 Bar)
2,000 gpm	255 ft. (78 m)	275 ft. (84 m)

SHIPPING WEIGHT

These shipping weights and dimensions are for the standard trailer.

Approximate ship weight 1,196 lbs. (542 kg)

Approximate dimensions

- Overall length of trailer 132" (3350 mm)
- Width 82" (2080 mm)
- Overall width with outriggers extended 129" (3275 mm)
- Height 63" (1600 mm)

ORDERING INFORMATION

Part No. BF-HFMT
Standard trailer with 2 x 5" Stortz inlets/monitor/2,000-4,000 gpm nozzle/foam diffuser jet pump/controllers.

Part No. BF-MN-N
Monitor /nozzle only (Monitor inlet 6" flange.)

Part No. BF-MN
Nozzle only 2,000-4,000 gpm.

Part BF-JP Jet pump controller with pickup tube and 50' length of 3" discharge hose.

