



FOAM PROPORTIONING EQUIPMENT

IN-LINE BALANCED PRESSURE PROPORTIONER (ILBP)

DESCRIPTION

The Buckeye In-Line Balanced Pressure Proportioners (ILBP) are used with positive displacement foam concentrate pumps and atmospheric foam concentrate storage tanks. The Buckeye ILBP is designed to meter the correct proportion of foam concentrate into the water stream over a wide range of flows and pressures. These units are suitable for use with all types of foam concentrates.

The ILBP is a completely self contained device containing all necessary components including the ratio controller, pressure balancing diaphragm valve, duplex gauge, check valve and manual ball valve. Balancing is achieved through two sensing lines, one from the water supply, the other from the foam concentrate line. Both lines connect to the diaphragm valve. This valve automatically adjusts the foam concentrate pressure to correspond to the water pressure. The foam concentrate is then metered through a fixed orifice into the water stream.

FEATURES

- U.L. Listed.
- 2 1/2" Proportioning controller - threaded style. 3", 4", 6", & 8" proportioning controller - between flange style.
- Diaphragm valve ensures accurate proportioning over a wide flow range.
- Compatible with all Buckeye foam concentrates.
- All brass construction with stainless steel sensing lines.
- Five sizes available to cover a wide range of flows.

FLOW RANGE

The following table lists the nominal flow range for each size ILBP unit. The flow rates for other foam concentrates may vary. Consult the engineering department at Buck-

eye for specific applications.

FLOW RANGE

SIZE	AR-AFFF	AFFF
BF-2.5 ILBP	100 - 350	100 - 400 gpm
BF-3 ILBP	190 - 500	150 - 550 gpm
BF-4 ILBP	390-1300	350 - 1200 gpm
BF-6 ILBP	650-2900	550 - 3000 gpm
BF-8 ILBP	1550-4000	900 - 5000 gpm

ORDERING INFORMATION

Part No	Size	
BF-2.5	ILBP 2 1/2"	In-Line Balanced Pressure Proportioner
BF-3	ILBP 3"	In-Line Balanced Pressure Proportioner
BF-4	ILBP 4"	In-Line Balanced Pressure Proportioner
BF-6	ILBP 6"	In-Line Balanced Pressure Proportioner
BF-8	ILBP 8"	In-Line Balanced Pressure Proportioner

When ordering a Buckeye ILBP the following information is required:

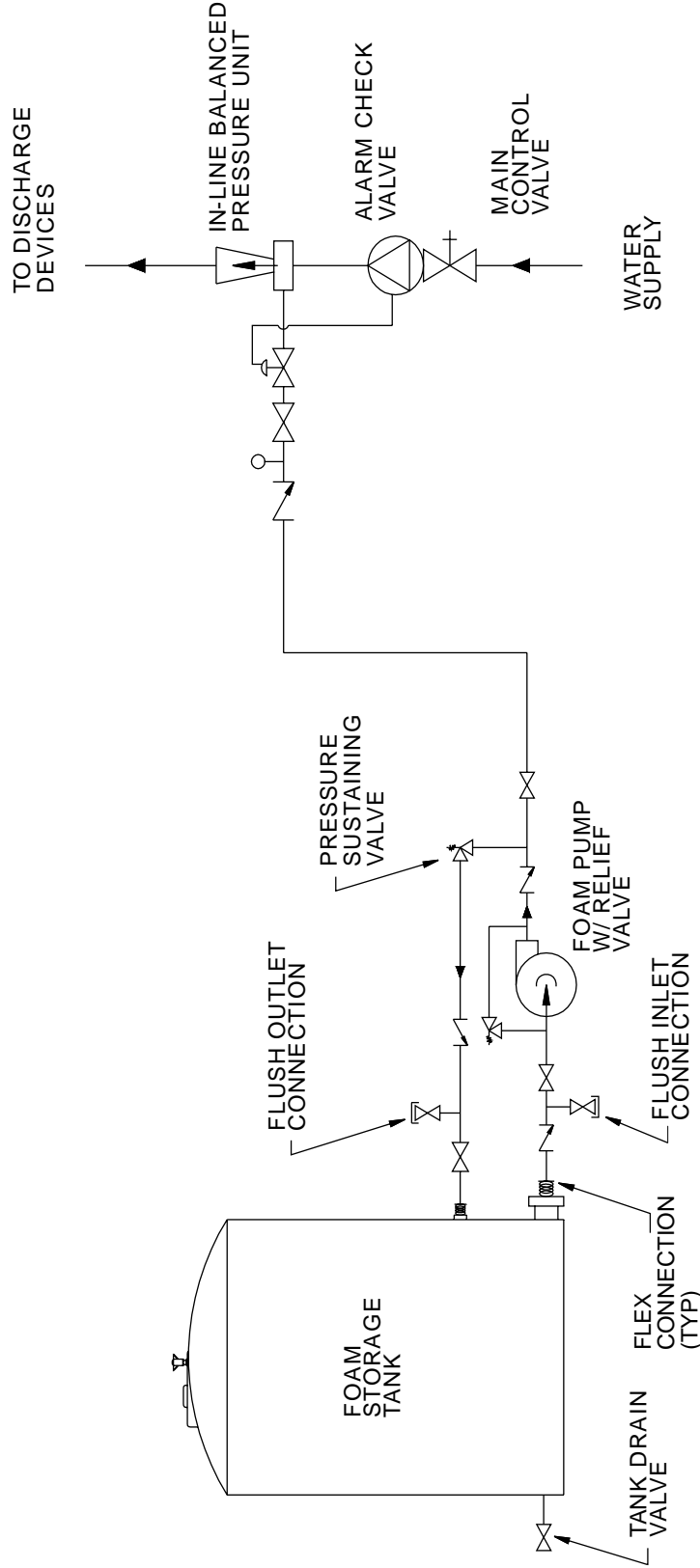
1. Type and percentage of foam concentrate.
2. Minimum and maximum static and residual water inlet pressure available at the proportioning controller(s.)
3. Minimum and maximum foam solution flows expected.
4. Power supply for foam pumps if required.



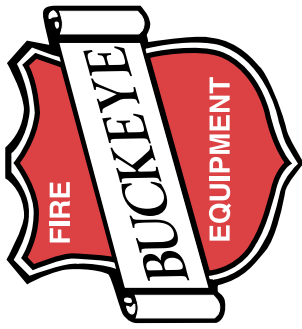


FOAM PROPORTIONING EQUIPMENT

IN-LINE BALANCED PRESSURE SYSTEM

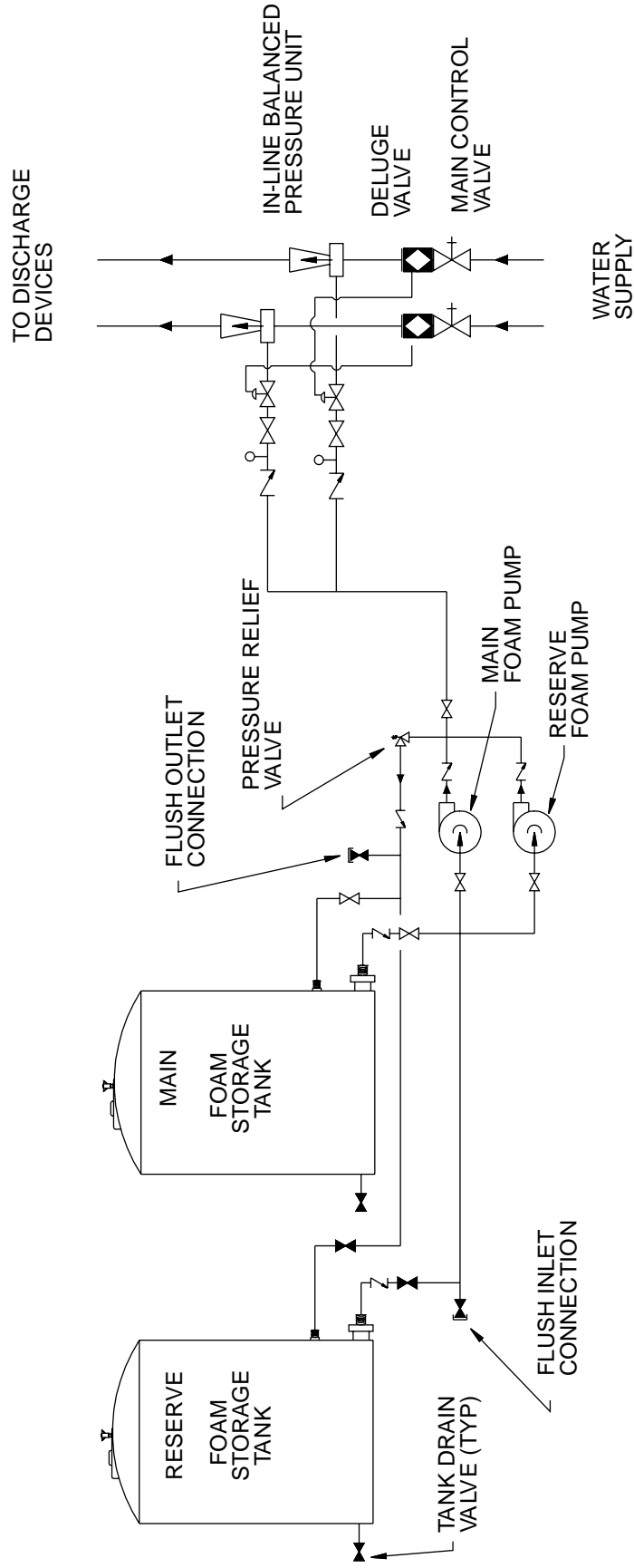


BASIC IN-LINE BALANCED PRESSURE PROPORTIONING UNIT



FOAM PROPORTIONING EQUIPMENT

IN-LINE BALANCED PRESSURE SYSTEM



IN-LINE BALANCED PRESSURE PROPORTIONING with MAIN and RESERVE FOAM PUMPS and TANKS

