



In-Line Balanced Pressure Proportioning Units (ILBP) Part No. CILBP2.5, CILBP3, CILBP4, CILBP6, CILBP8

DESCRIPTION

Chemguard In-Line Balanced Pressure Proportioners (ILBP's) are used with positive displacement foam concentrate pumps and atmospheric foam concentrate storage tanks. The Chemguard 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 ½" 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 Chemguard 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. Please consult the engineering department at Chemguard for specific applications.

<u>SIZE</u>	<u>AR-AFFF</u>	<u>FLOW RANGE</u> <u>AFFF</u>
CILBP2.5	100 – 350	100 - 400 gpm
CILBP3	190 - 500	150 - 550 gpm
CILBP4	390-1300	350 - 1200 gpm
CILBP6	650-2900	550 - 2620 gpm
CILBP8	1550-4000	900 - 4200 gpm

ORDERING INFORMATION

<u>Part No</u>	<u>Size</u>
CILBP2.5	2½" In-Line Balanced Pressure Proportioner
CILBP3	3" In-Line Balanced Pressure Proportioner
CILBP4	4" In-Line Balanced Pressure Proportioner
CILBP6	6" In-Line Balanced Pressure Proportioner
CILBP8	8" In-Line Balanced Pressure Proportioner

When ordering a Chemguard ILBP please supply the following information:

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

IN-LINE BALANCED PRESSURE PROPORTIONER DIMENSIONS (INCHES)

DIM	2 1/2" ILBP	3" ILBP	4" ILBP	6" ILBP	8" ILBP
A	24 1/2	26 3/4	29	34 1/2	38 3/4
B	9	10 1/2	12 1/4	14 1/4	16 1/2
C	1" NPT	1 1/4" NPT	1 1/2" NPT	2" NPT	2 1/2" NPT

