

SOLBERG® IN-LINE BALANCE PRESSURE PROPORTIONERS

FEATURES

- All brass construction with duplex gauge
- Balancing valve to provide accurate proportioning over a wide range of flow rates
- UL listed with SOLBERG RE-HEALING™ RF3, 3% foam concentrate
- Six sizes available 3" - 8"

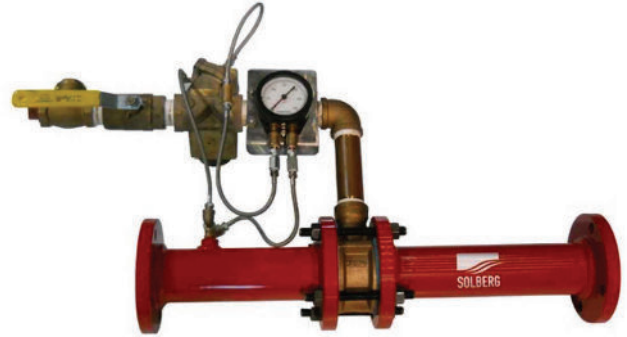
DESCRIPTION

The SOLBERG® In-line Balanced Pressure (ILBP) proportioner is a device that incorporates the necessary components including ratio controller, duplex gauge, balancing valve, check valve, ball valve, and associated brass piping. SOLBERG ILBPs are designed to balance the incoming foam concentrate pressure with the incoming fire-water pressure, and meter the correct amount of foam concentrate to fire-water stream over a wide range of flow rates and pressures. The ILBP system works with a positive displacement foam pump, to supply foam concentrate to the ILBP. A pressure sustaining valve, located in the return line, carries excess foam concentrate not needed by the device back to the atmospheric storage tank.

Consult your authorized Perimeter Solutions Distributor or Technical Services at the planning stage of your project for expert advice on determining the right foam equipment for your application.

APPLICATION

SOLBERG ILBPs are used with positive displacement foam concentrate pumps in applications requiring the proportioning of large quantities of foam to multiple discharge devices. Typical applications include aircraft hangars, tank farms, dike protection, foam-water sprinkler systems and remote location of risers.



Note: Shown with optional flange piping.

SPECIFICATIONS

The In-line Balanced Pressure proportioner assembly contains all components including ratio controller, duplex gauge, balancing valve, check valve, ball valve, and interconnecting brass piping. Balancing of foam concentrate pressure and systems water pressure is accomplished through the balancing valves are "Y" pattern diaphragm valves, stainless Steel body and cap with Buna N diaphragm material. The balancing valves come in the standard normally open configuration without any internal limit stop or springs. Correct balancing is accomplished through two sensing lines (foam-water system supply and foam concentrate line). Both lines are connected to the balancing valve and the duplex gauge which reports readings for the water and foam concentrate pressure.

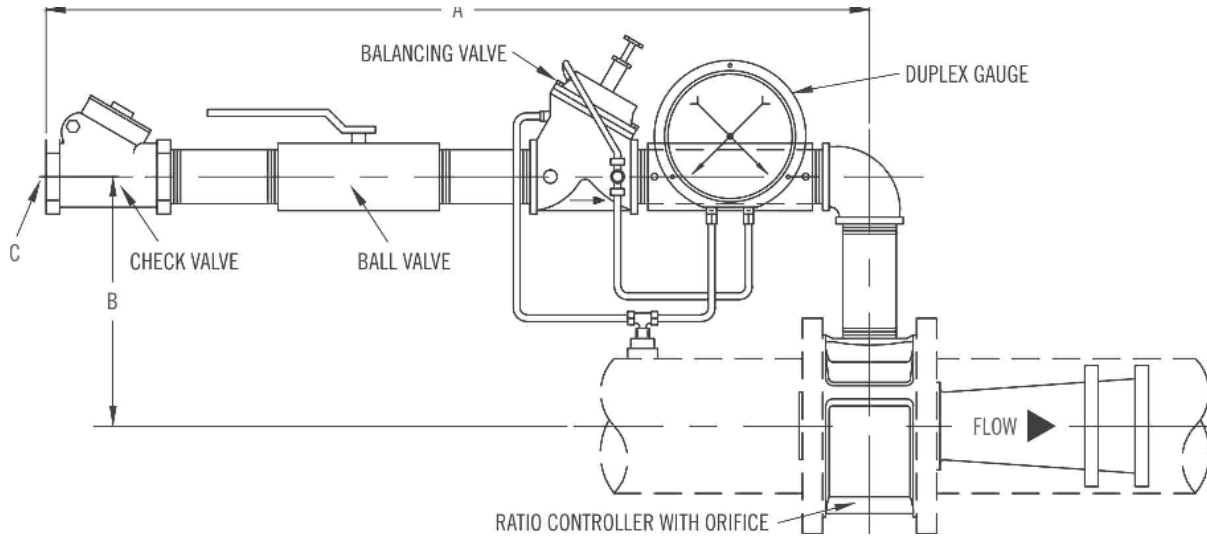
Additional valves and gauges can be used with the ILBP assembly. It is recommended to use a concentrate isolation ball valve and swing check valve at the inlet to the ILBP assembly. Any additional components used with the ILBP should be made of materials compatible with Perimeter Solutions foam concentrates.

CERTIFICATION

ILBPs are UL Listed with the SOLBERG RE-HEALING 3% concentrate for the flow ranges listed below.

SOLBERG® IN-LINE BALANCE PRESSURE PROPORTIONERS

ORDERING INFORMATION



PERFORMANCE INFORMATION

MODEL	APPROXIMATE DIMENSIONS Inches (Millimeters)		
	A	B	C
PS-ILBP-3-RF3	22.00 (559)	12.00 (305)	1.50 (38.10)
PS-ILBP-4-RF3	24.00 (610)	14.00 (357)	1.50 (38.10)
PS-ILBP-6-RF3	27.00 (686)	15.00 (381)	2.00 (50.80)
PS-ILBP-8-RF3	29.00 (737)	16.00 (406)	2.00 (50.80)

PART NO.	Model	Description	Listed Flow Range (GPM)
31101	PS-ILBP-3-RF3	3 inch In-Line Balanced Pressure Proportioner use with RF3	120 255 - 374
31102	PS-ILBP-4-RF3	4 inch In-Line Balanced Pressure Proportioner use with RF3	415 - 1200
31103	PS-ILBP-6-RF3	6 inch In-Line Balanced Pressure Proportioner use with RF3	1440 - 2220
31104	PS-ILBP-8-RF3	8 inch In-Line Balanced Pressure Proportioner use with RF3	875 - 4020

ORDERING INFORMATION

PART NO.	DESCRIPTION	APPROXIMATE SHIPPING WEIGHT	
		lb	kg
31101	3 inch In-Line Balanced Pressure Proportioner use with RF3	47	21
31102	4 inch In-Line Balanced Pressure Proportioner use with RF3	62	28
31103	6 inch In-Line Balanced Pressure Proportioner use with RF3	77	33
31104	8 inch In-Line Balanced Pressure Proportioner use with RF3	132	60



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FOR MORE INFORMATION

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