

THREADED PROPORTIONER

FEATURES

- **Bronze material construction for performance and durability**
- **Fresh or saltwater compatible**
- **Horizontal or vertical mounted position**

DESCRIPTION

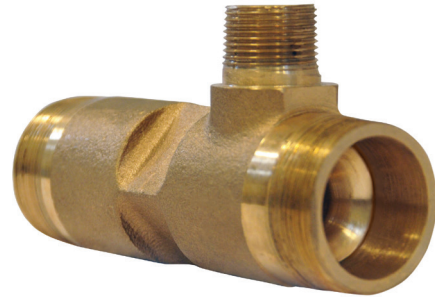
Perimeter Solutions Threaded Proportioners are modified venturi ratio controllers that accurately mix and meter

foam concentrate into fire-water streams. Each proportioner consists of the following components: body, inlet nozzle, and metering orifice constructed out of ASTM 85-5-5-5 bronze material. The proportioner is designed with a male NPT threaded inlet and a male threaded outlet in sizes of 2.0" and 2.5", with the flow direction arrow clearly marked. During operation, water flows through the modified venturi to create an area of lower pressure which is directly effected by the water velocity as it flows through the ratio controller.

APPLICATION

Typical high-hazard, high-risk applications including flammable liquid storage tanks, loading racks, aircraft hangars, heliports and anywhere flammable liquids are used, stored, processed, or transported.

You can count on Perimeter Solutions Threaded Proportioners to correctly proportion and properly handle the mixing of SOLBERG foam concentrates into a water stream with little pressure loss. SOLBERG Threaded Proportioners are UL listed when used with Solberg foam concentrates and can be used with bladder tank systems and inline balanced pressure proportioning systems.



SPECIFICATIONS

Each Perimeter Solutions Threaded Proportioners body and inlet nozzle is made of bronze with the inlet nozzle and orifice being secured by a stainless retaining ring. The inlet and outlet of the proportioner body is to be a male NPT with clear markings indicating flow direction and concentrate type. The inlet nozzle is designed with a rounded inlet and a smooth machined finish to ensure minimum stream constriction and maximum velocity. The metering orifice is designed to the proper diameter for the specific foam concentrate type.

CERTIFICATIONS

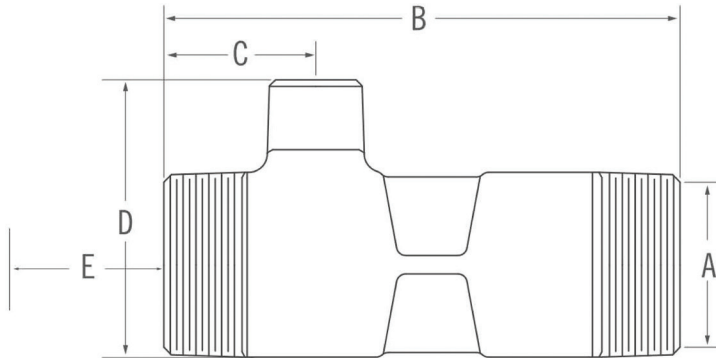
Underwriters Laboratories, Inc. (UL) Listed - Standard 162, FM Approved per Approval Standard 5130 (see FM Approval Guide).

THREADED PROPORTIONER

DIMENSIONAL INFORMATION

APPROXIMATE DIMENSIONS Inches (Millimeters)

MODEL	A	B	C	D	E
2.0" SRCW	2.38 (60)	7.00 (178)	2.06 (52)	3.75 (95)	10.00 (254)
2.5" SRCW	2.88 (73)	7.00 (178)	2.06 (52)	4.13 (105)	13.00 (330)



FLOW RANGE

UL LISTED - NOMINAL FLOW

MODEL	CONFIGURATION	CONCENTRATE INLET	RE-HEALING RF3,3% gpm (lpm)	ARCTIC 1% SP AFFF gpm (lpm)	ARCTIC 3% AFFF gpm (lpm)	ARCTIC 3% MIL-SPEC AFFF gpm (lpm)	ARCTIC 3X3%ATC gpm (lpm)
2.0" SRCW	Threaded	1.0" FNPT	147-232 (556-878)	44-131 (167-496)	42-263 (159-996)	45-205 (170-776)	90-166 (341-628)
2.0" SRCW	Threaded	1.0" FNPT	60 (227)	-	-	-	13.00 (330)
2.5" SRCW	Threaded	1.0" FNPT	-	86-282 (326-1067)	119-392 (450-1484)	114-375 (432-1420)	-

FM APPROVED - NOMINAL FLOW

MODEL	CONFIGURATION	CONCENTRATE INLET	RE-HEALING RF3,3% gpm (lpm)	ARCTIC 1% SP AFFF gpm (lpm)	ARCTIC 3% AFFF gpm (lpm)
2.0" SRCW	Threaded	1.0" FNPT	143-248 (541-939)	44-131 (167-496)	89-233 (337-882)

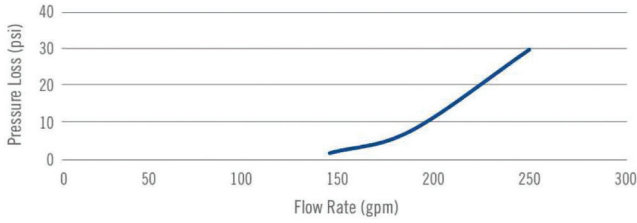
THREADED PROPORTIONER

PRESSURE LOSS CURVES

NOMINAL FLOW RATES

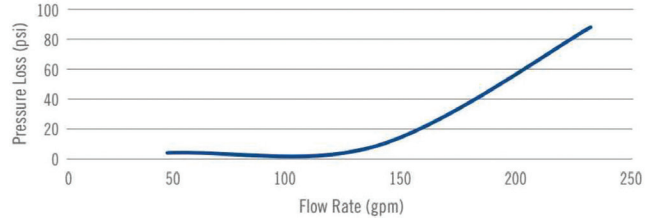
UL LISTED
RE-HEALING RF3, 3% FOAM CONCENTRATE

2 Inch Ratio Controller

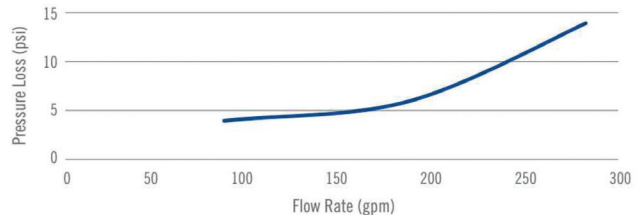


UL LISTED
ARCTIC™ 3% AFFF FOAM CONCENTRATE

2 Inch Ratio Controller

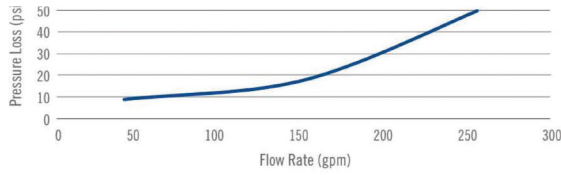


2.5 Inch Ratio Controller



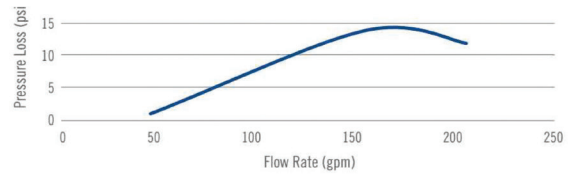
UL LISTED
ARCTIC™ 3% AFFF FOAM CONCENTRATE

2 Inch Ratio Controller

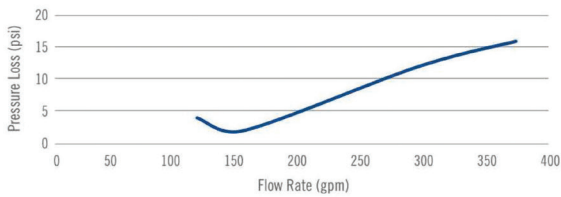


UL LISTED
ARCTIC™ 3% MIL-SPEC FOAM CONCENTRATE

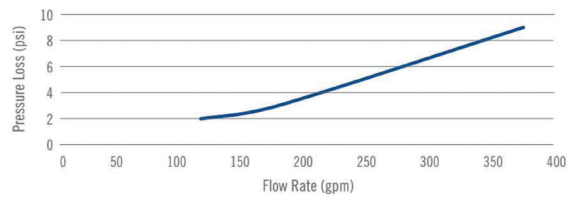
2 Inch Ratio Controller



2.5 Inch Ratio Controller



2.5 Inch Ratio Controller

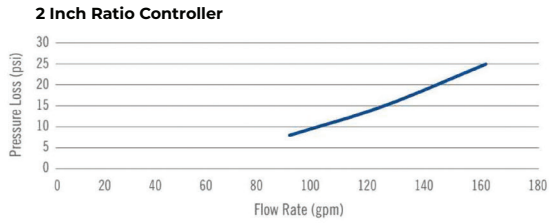


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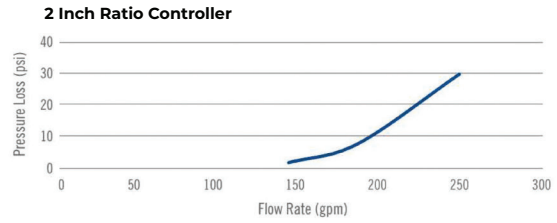
PRESSURE LOSS CURVES

NOMINAL FLOW RATES

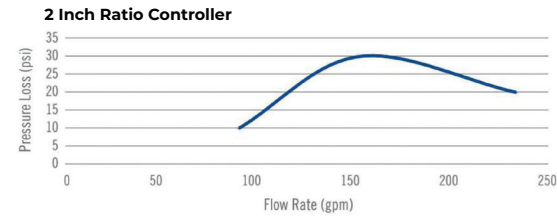
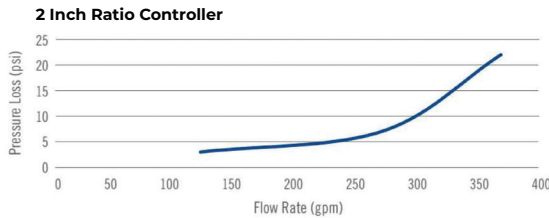
UL LISTED: ARCTIC™ 3X3% ATC™ FOAM CONCENTRATE



FM APPROVED: RE-HEALING RF3, 3% FOAM CONCENTRATE



FM APPROVED: ARCTIC™ 3X3% ATC™ FOAM CONCENTRATE



ORDERING INFORMATION

MOBILE FOAM CART

APPROXIMATE SHIPPING WEIGHT

PART NO.	DESCRIPTION	lb	kg
30002	Ratio Controller - Threaded, 2.0" (51 mm), RE-HEALING RF 3, 3%	5	2
30003	Ratio Controller - Threaded, 2.0" (51 mm), RE-HEALING RF 6, 6%	5	2
30004	Ratio Controller - Threaded, 2.0" (51 mm), ARCTIC 1% SP AFFF	5	2
30005	Ratio Controller - Threaded, 2.0" (51 mm), ARCTIC 3% AFFF	5	2
30008	Ratio Controller - Threaded, 2.0" (51 mm), ARCTIC 3% MIL-SPEC AFFF	5	2
30006	Ratio Controller - Threaded, 2.0" (51 mm), ARCTIC 3x3% ATC	5	2
30031	Ratio Controller - Threaded, 2.5" (63 mm), RE-HEALING RF 3, 3%	6	3
30032	Ratio Controller - Threaded, 2.5" (63 mm), RE-HEALING RF 6, 6%	6	3
30033	Ratio Controller - Threaded, 2.5" (63 mm), ARCTIC 1% SP AFFF	6	3
30034	Ratio Controller - Threaded, 2.5" (63 mm), ARCTIC 3% AFFF	6	3
30037	Ratio Controller - Threaded, 2.5" (63 mm), ARCTIC 3% MIL-SPEC AFFF	6	3
30035	Ratio Controller - Threaded, 2.5" (63 mm), ARCTIC 3x3% ATC	6	3



Solutions That Save.

FOR MORE INFORMATION

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