

## THREADED PROPORTIONER



### FEATURES

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

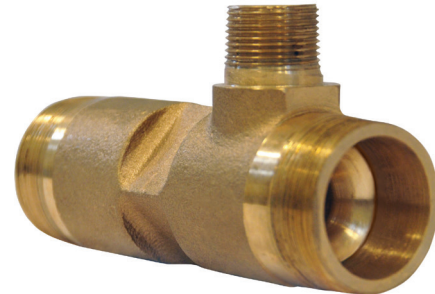
### DESCRIPTION

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 affected 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

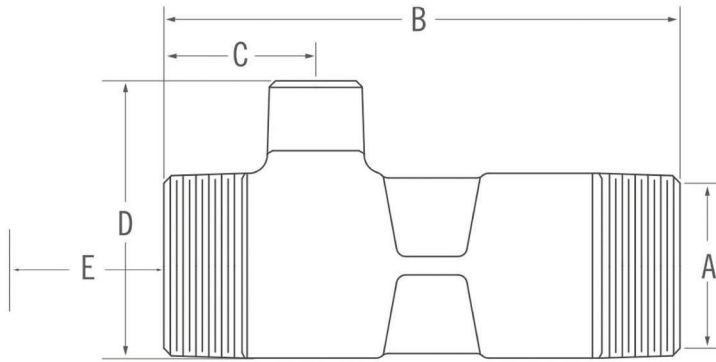
Underwriters Laboratories, Inc. (UL) Listed - Standard 162, FM Approved per Approval Standard 5130 (see FM Approval Guide).

# 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	SOLBERG RE-HEALING™ RF3,3% gpm (lpm)	SOLBERG ARCTIC 1% SP AFFF gpm (lpm)	SOLBERG ARCTIC 3% AFFF gpm (lpm)	SOLBERG ARCTIC 3% MIL-SPEC AFFF gpm (lpm)	SOLBERG ARCTIC 3X3%ATC gpm (lpm)	SOLBERG VERSAGARD™ AS-100	SOLBERG RE-HEALING 3x3 SP-100
2.0" SRCW	Threaded	1.0" MNPT	58-246 (219-931)	44-131 (167-496)	42-263 (159-996)	45-205 (170-776)	90-166 (341-628)	57-244 (216-924)	52-255 (197-965)
2.0" SRCW	Threaded	1.0" MNPT	-	-	-	-	13.00 (330)	-	-
2.5" SRCW	Threaded	1.0" MNPT	111-540 (420-2044)	86-282 (326-1067)	119-392 (450-1484)	114-375 (432-1420)	-	119-273 (450-1033)	155-470 (587-1779)

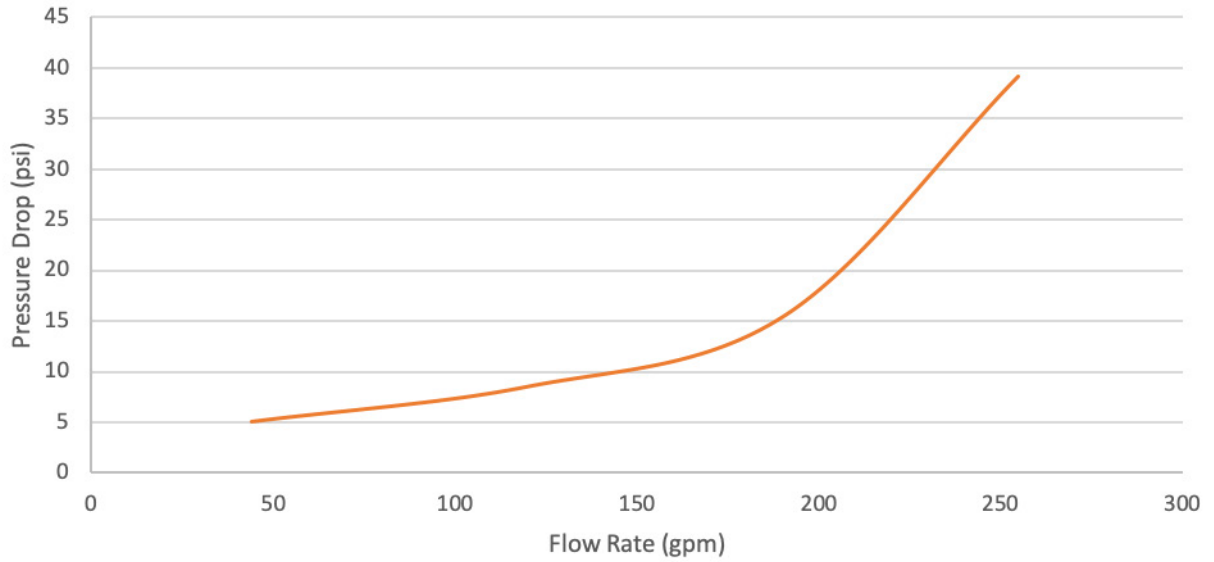
FM APPROVED - NOMINAL FLOW

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

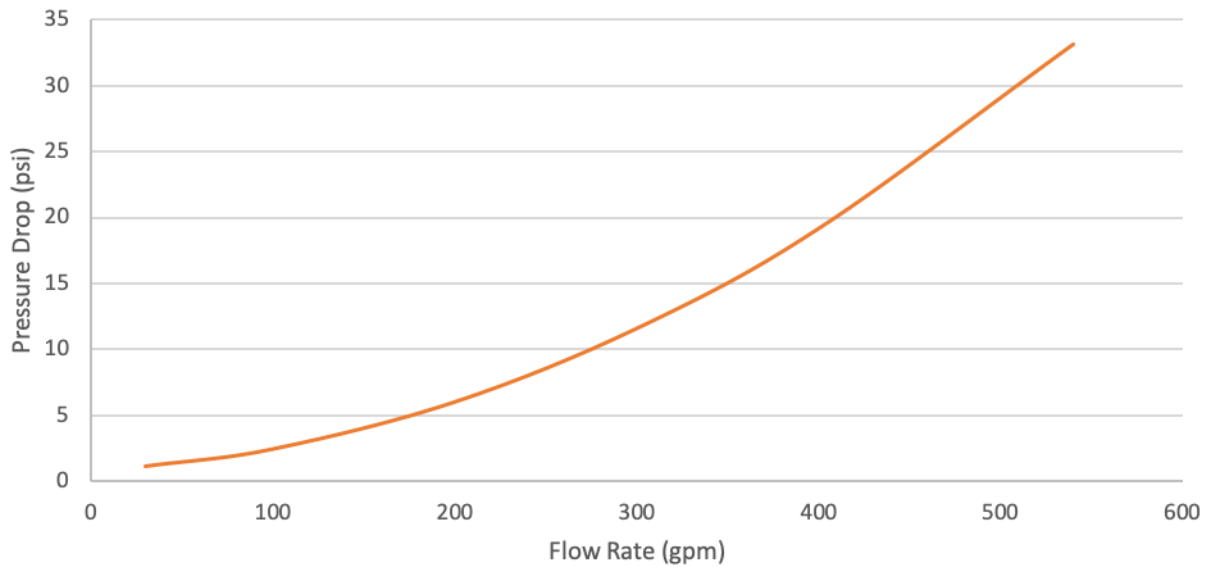
# THREADED PROPORTIONER

## PRESSURE LOSS CURVES

### 2" Ratio Controller Pressure Drop



### 2.5" Ratio Controller Pressure Drop



# SOLBERG® FOAM RATIO CONTROLLER (Between Flange)

## ORDERING INFORMATION

PART NO.	DESCRIPTION	APPROXIMATE SHIPPING WEIGHT	
		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
30009	Ratio Controller - Threaded, 2.0" (51 mm), 3x3 ATC/SFFF - Versagard AS-100	5	2
30011	Ratio Controller - Threaded, 2.0" (51 mm), 3x3 ATC/SFFF - RE-HEALING 3x3 SP-100	5	2
30012	Ratio Controller - Threaded, 2.0" (51 mm), 3x3 ATC/SFFF - RE-HEALING 3x3 SP-100 - FM	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
30038	Ratio Controller - Threaded, 2.5" (63 mm), 3x3 ATC/SFFF - Versagard AS-100	6	3
30039	Ratio Controller - Threaded, 2.5" (63 mm), 3x3 ATC/SFFF - RE-HEALING 3x3 SP-100	6	3



**Solutions That Save.**

### FOR MORE INFORMATION

Contact any of our worldwide Perimeter Solutions Fire Safety offices or visit:  
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