

THREADED PROPORTIONER



FEATURES

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

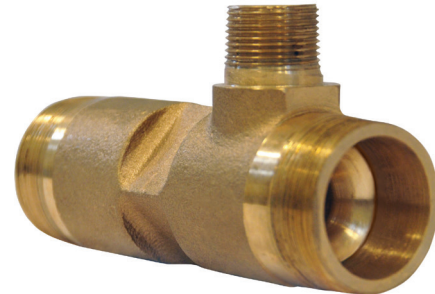
DESCRIPTION

SOLBERG® 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 SOLBERG 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 SOLBERG 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

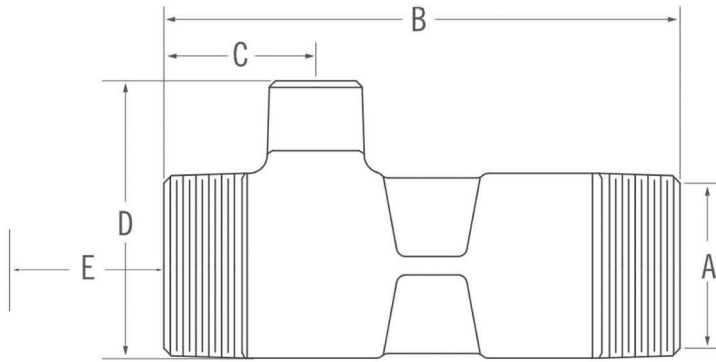
Underwriters Laboratories, Inc. (UL) Listed - Standard 162, FM Approved per Approval Standard 5130 (see FM Approval Guide).

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 ARCTIC 3x3% ATC gpm (lpm)	SOLBERG ARCTIC 1% SP AFFF gpm (lpm)	SOLBERG ARCTIC 3% AFFF gpm (lpm)	SOLBERG ARCTIC 3% MIL-SPEC AFFF gpm (lpm)
2.0" SRCW	Threaded	1.0" FNPT	90-166 (341-628)	44-131 (167-496)	42-263 (159-996)	45-205 (170-776)
2.0" SRCW	Threaded	1.0" FNPT	13.00 (330)	-	-	-
2.5" SRCW	Threaded	1.0" FNPT	120-369 (454-1499)	86-282 (326-1067)	119-392 (450-1484)	114-375 (432-1420)

MODEL	CONFIGURATION	CONCENTRATE INLET	SOLBERG RE-HEALING RF3, 3% gpm (lpm)	SOLBERG VERSAGARD™ AS-100 gpm (lpm)	SOLBERG RE-HEALING 3x3 SP-100 AR-SFFF gpm (lpm)	SOLBERG EVOLUTION 3% SFFF gpm (lpm)
2.0" SRCW	Threaded	1.0" FNPT	58-246 (219-931)	89-244 (337-924)	52-255 (197-965)	58-245 (220-927)
2.0" SRCW	Threaded	1.0" FNPT	-	-	-	-
2.5" SRCW	Threaded	1.0" FNPT	111-540 (420-2044)	119-273 (450-1033)	155-470 (587-1779)	-

FM APPROVED - NOMINAL FLOW

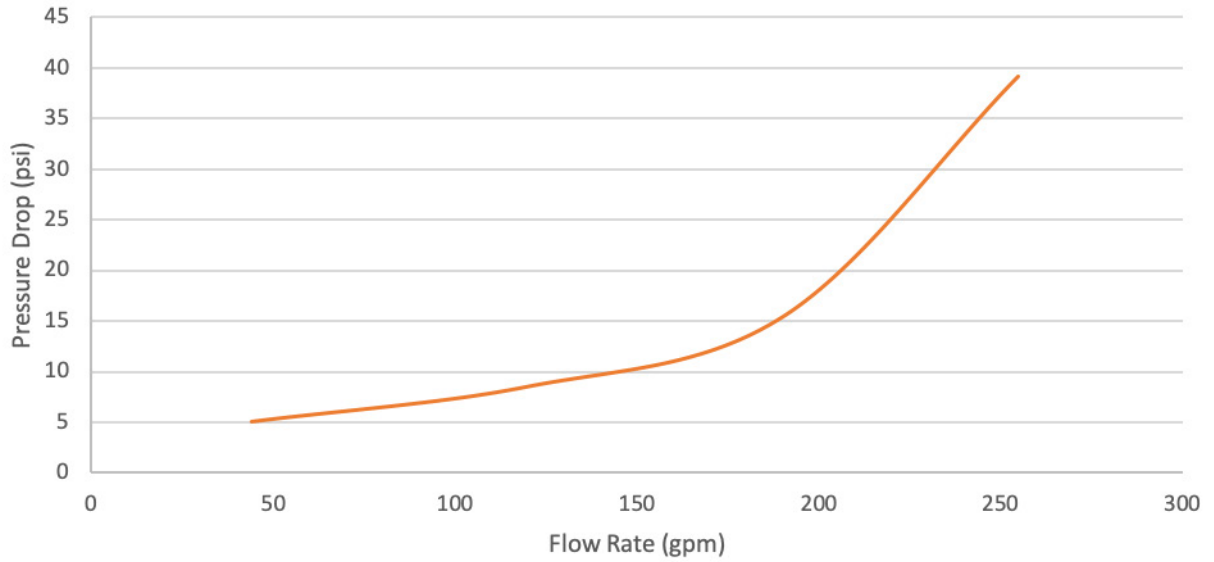
MODEL	CONFIGURATION	CONCENTRATE INLET	SOLBERG RE-HEALING RF3,3% gpm (lpm)	SOLBERG ARCTIC 1% SP AFFF gpm (lpm)	SOLBERG ARCTIC 3% AFFF gpm (lpm)	SOLBERG RE-HEALING 3x3 SP-100 AR-SFFF gpm (lpm)	SOLBERG EVOLUTION 3% SFFF gpm (lpm)
2.0" SRCW	Threaded	1.0" FNPT	143-248 (541-939)	44-131 (167-496)	89-233 (337-882)	72-244 (273-924)	*59-218 (223-825)

*FM Pending

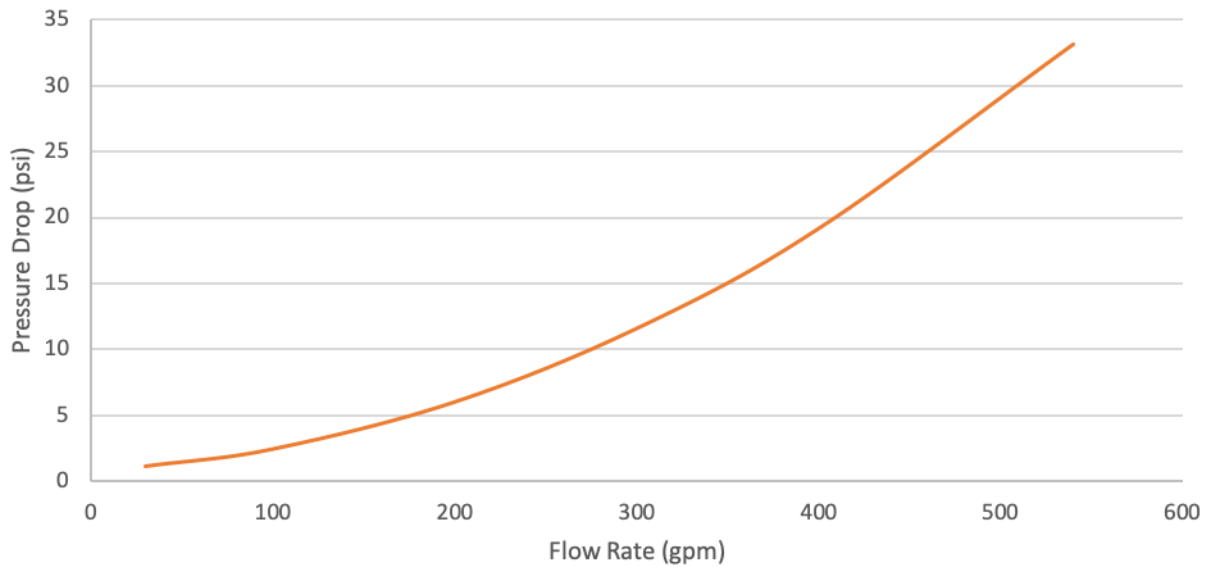
THREADED PROPORTIONER

PRESSURE LOSS CURVES

2" Ratio Controller Pressure Drop



2.5" Ratio Controller Pressure Drop



SOLBERG® FOAM RATIO CONTROLLER (Between Flange)

ORDERING INFORMATION

THREADED PROPORTIONER		APPROXIMATE SHIPPING WEIGHT	
PART NO.	DESCRIPTION	lb	kg
30002	Ratio Controller - Threaded, 2.0" (51 mm), SOLBERG RE-HEALING RF3, 3% (147-232 gpm)	5	2
30050	Ratio Controller - Threaded, 2.0" (51 mm), SOLBERG RE-HEALING RF3, 3% (181-246 gpm)	5	2
30051	Ratio Controller - Threaded, 2.0" (51 mm), SOLBERG RE-HEALING RF3, 3% (82-234 gpm)	5	2
30052	Ratio Controller - Threaded, 2.0" (51 mm), SOLBERG RE-HEALING RF3, 3% (72-126 gpm)	5	2
30053	Ratio Controller - Threaded, 2.0" (51 mm), SOLBERG RE-HEALING RF3, 3% (58-76 gpm)	5	2
30003	Ratio Controller - Threaded, 2.0" (51 mm), SOLBERG RE-HEALING RF 6, 6%	5	2
30004	Ratio Controller- Threaded, 2.0" (51 mm), SOLBERG ARCTIC 1% SP AFFF	5	2
30005	Ratio Controller - Threaded, 2.0" (51 mm), SOLBERG ARCTIC 3% AFFF	5	2
30008	Ratio Controller - Threaded, 2.0" (51 mm), SOLBERG ARCTIC 3% MIL-SPEC AFFF	5	2
30006	Ratio Controller - Threaded , 2.0" (51 mm), SOLBERG ARCTIC 3x3% ATC	5	2
30009	Ratio Controller - Threaded, 2.0" (51 mm), SOLBERG VERSAGARD AS-100 (89-244 gpm)	5	2
30011A	Ratio Controller - Threaded, 2.0" (51 mm), SOLBERG RE-HEALING 3x3 SP-100 AR-SFFF (83-255 gpm)	5	2
30011B	Ratio Controller - Threaded, 2.0" (51 mm), SOLBERG RE-HEALING 3x3 SP-100 AR-SFFF (52-90 gpm)	5	2
30012	Ratio Controller - Threaded, 2.0" (51 mm), SOLBERG RE-HEALING 3x3 SP-100 AR-SFFF (FM) - (72-244 gpm)	5	2
30068	Ratio Controller - Threaded, 2.0" (51 mm), SOLBERG EVOLUTION 3% SFFF (UL) - (58-245 gpm)	5	2
30069	Ratio Controller - Threaded, 2.0" (51 mm), SOLBERG EVOLUTION 3% SFFF (FM) - (59-218 gpm)	5	2
30031	Ratio Controller - Threaded, 2.5" (63 mm), SOLBERG RE-HEALING RF 3, 3% (185-540 gpm)	6	3
30054	Ratio Controller - Threaded, 2.5" (63 mm), SOLBERG RE-HEALING RF 3, 3% (135-194 gpm)	6	3
30055	Ratio Controller - Threaded, 2.5" (63 mm), SOLBERG RE-HEALING RF 3, 3% (111-139 gpm)	6	3
30032	Ratio Controller - Threaded, 2.5" (63 mm), SOLBERG RE-HEALING RF 6, 6%	6	3
30033	Ratio Controller - Threaded, 2.5" (63 mm), SOLBERG ARCTIC 1% SP AFFF	6	3
30034	Ratio Controller - Threaded, 2.5" (63 mm), SOLBERG ARCTIC 3% AFFF	6	3
30037	Ratio Controller - Threaded, 2.5" (63 mm), SOLBERG ARCTIC 3% MIL-SPEC AFFF	6	3
30035	Ratio Controller - Threaded, 2.5" (63 mm), SOLBERG ARCTIC 3x3% ATC	6	3
30038	Ratio Controller - Threaded, 2.5" (63 mm), SOLBERG VERSAGARD AS-100 (119-273 gpm)	6	3
30039	Ratio Controller - Threaded, 2.5" (63 mm), SOLBERG RE-HEALING 3x3 SP-100 AR-SFFF (155-470 gpm)	6	3



Solutions That Save.

FOR MORE INFORMATION

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