

THREADED PROPORTIONER



FEATURES

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

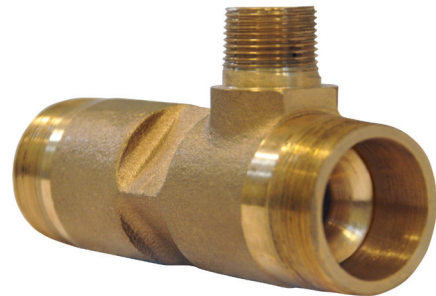
DESCRIPTION

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

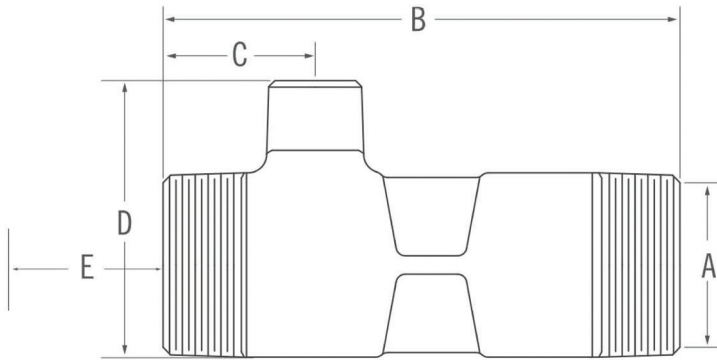
Underwriters Laboratories, Inc. (UL) Listed - Standard 162, FM Approved per Approval Standard 5130 (see FM Approval Guide).

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" FNPT | 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" FNPT | - | - | - | - | 13.00 (330) | - | - |
| 2.5" SRCW | Threaded | 1.0" FNPT | 111-540 (420-2044) | 86-282 (326-1067) | 119-392 (450-1484) | 114-375 (432-1420) | - | 119-273 (450-1033) | 155-470 (587-1779) |

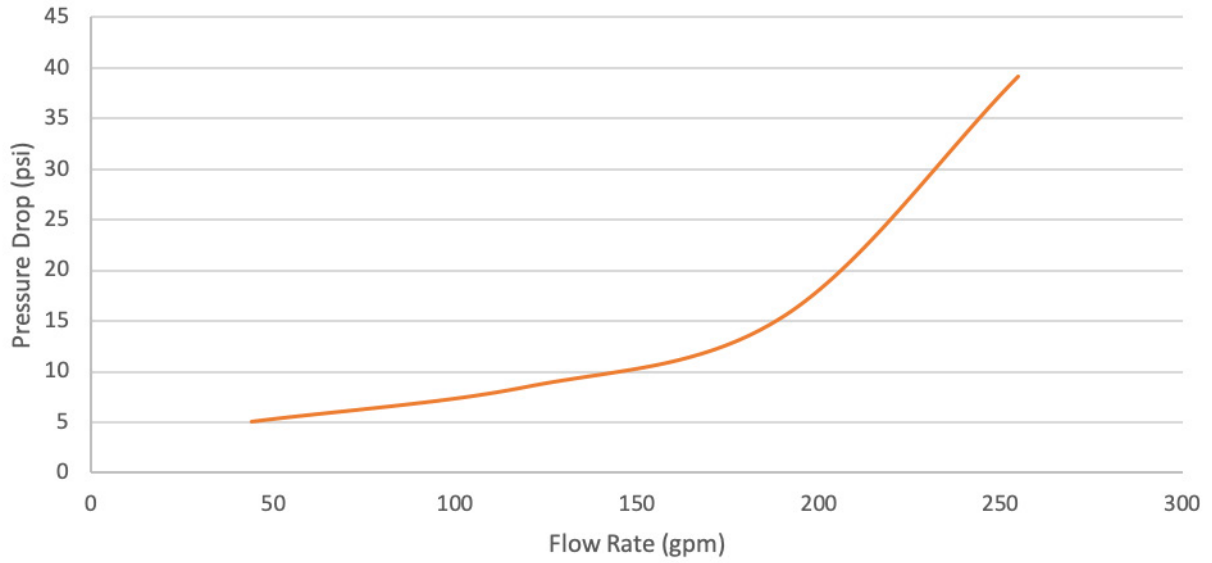
FM APPROVED - NOMINAL FLOW

| 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) |

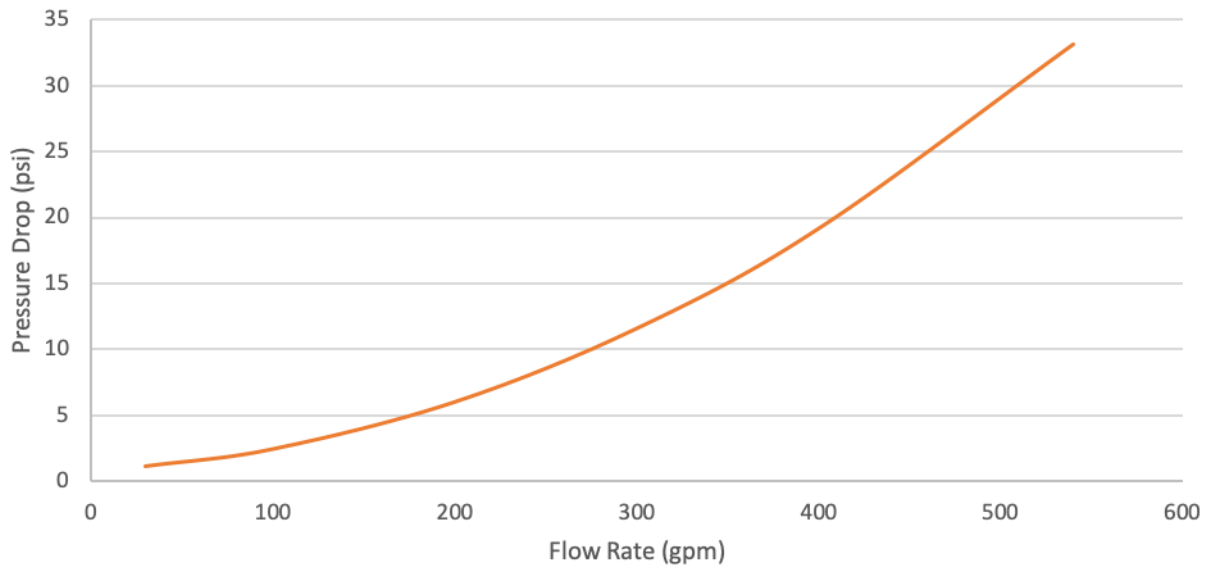
THREADED PROPORTIONER

PRESSURE LOSS CURVES

2" Ratio Controller Pressure Drop



2.5" Ratio Controller Pressure Drop



SOLBERG® FOAM RATIO CONTROLLER (Threaded)

ORDERING INFORMATION

| THREADED PROPORTIONER | | APPROXIMATE SHIPPING WEIGHT | |
|-----------------------|---|-----------------------------|----|
| PART NO. | DESCRIPTION | lb | kg |
| 30002 | Ratio Controller - Threaded, 2.0" (51 mm), RE-HEALING RF3, 3% (147-232 gpm) | 5 | 2 |
| 30050 | Ratio Controller - Threaded, 2.0" (51 mm), RE-HEALING RF3, 3% (181-246 gpm) | 5 | 2 |
| 30051 | Ratio Controller - Threaded, 2.0" (51 mm), RE-HEALING RF3, 3% (82-234 gpm) | 5 | 2 |
| 30052 | Ratio Controller - Threaded, 2.0" (51 mm), RE-HEALING RF3, 3% (72-126 gpm) | 5 | 2 |
| 30053 | Ratio Controller - Threaded, 2.0" (51 mm), RE-HEALING RF3, 3% (58-76 gpm) | 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 (89-244 gpm) | 5 | 2 |
| 30011A | Ratio Controller - Threaded, 2.0" (51 mm), RE-HEALING SP-100 3x3 - (83-255 gpm) | 5 | 2 |
| 30011B | Ratio Controller - Threaded, 2.0" (51 mm), RE-HEALING SP-100 3x3 - (52-90 gpm) | 5 | 2 |
| 30012 | Ratio Controller - Threaded, 2.0" (51 mm), RE-HEALING SP-100 3x3 - (72-244 gpm) | 5 | 2 |
| 30031 | Ratio Controller - Threaded, 2.5" (63 mm), RE-HEALING RF 3, 3% (185-540 gpm) | 6 | 3 |
| 30054 | Ratio Controller - Threaded, 2.5" (63 mm), RE-HEALING RF 3, 3%(135-194 gpm) | 6 | 3 |
| 30055 | Ratio Controller - Threaded, 2.5" (63 mm), RE-HEALING RF 3, 3% (111-139 gpm) | 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 (119-273 gpm) | 6 | 3 |
| 30039 | Ratio Controller - Threaded, 2.5" (63 mm), 3x3 ATC/SFFF - RE-HEALING 3x3 SP-100 (155-470 gpm) | 6 | 3 |



Solutions That Save.

FOR MORE INFORMATION

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