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TRIDENT AUSTRALIA
FLUID SYSTEMS & COMPONENTS

Series FXS
Solar Injection System

PUMP CATEGORY
Type: Plunger
Control: Motor Speed
Stroke: 0.75 in (19 mm) Fixed

FLOW RATE
0.34 - 47.24 USG/D (1.29 - 178.82 L/D)

PRESSURE
0 – 12,000 PSIG (0 - 827.37 BARG)

SUPERIOR DESIGN
- Durable, High-Quality Construction and Materials
- Lightweight, Portable, and Sturdy Tripod Stand
- Quick Installation and Maintenance
- Prewired with MC4 Quick Connectors
- Accurate and Repeatable Injection
- Class 1, Division 2 Motor
- Continuous Injection; No Timers
- Optimal Battery Life
- Safety and Environmental Benefits

CHEMICAL RESISTANCE
Proprietary, high-quality seal materials enable CheckPoint pumps to provide unparalleled chemical resistance. Wetted components are available in an array of materials. Chemical applications include, but are not limited to:
- Scavengers (H_2S, O_2, CO_2)
- Hydrate Inhibitors (MeOH, MEG, LDHI)
- Foamers and Defoamers
- Corrosion, Scale, and Paraffin Inhibitors
- Clarifiers, Biocides, Bleaches, and Acids

FXS MODEL	FLOW RATE (MINIMUM) USG/D (L/D)	FLOW RATE (MAXIMUM) USG/D (L/D)	WORKING PRESSURE (MAXIMUM) PSIG (BARG)	PLUNGER DIAMETER IN (MM)	DIMENSIONS L X W X H IN (MM)	PACKAGE WEIGHT LB (KG)	SUCTION CONNECTION	DISCHARGE CONNECTION
1250 1/8"	0.34 (1.29)	2.67(10.11)	12,000 (827.37)	1/8 (3.18)	40.34 (1,025) x 45.65 (1,160) x 85 (2,159)	254 (115)	1/4" MNPT	1/4" MNPT
1250 3/16"	0.78 (2.95)	5.73 (21.69)	7,500 (517.11)	3/16 (4.76)	40.34 (1,025) x 45.65 (1,160) x 85 (2,159)	254 (115)	1/4" MNPT	1/4" MNPT
1250 1/4"	1.47 (5.56)	12.21 (46.22)	7,500 (517.11)	1/4 (6.35)	40.34 (1,025) x 45.65 (1,160) x 85 (2,159)	254 (115)	1/4" MNPT	1/4" MNPT
1250 3/8"	2.5 (9.46)	24.88 (94.18)	3,250 (224.08)	3/8 (9.53)	40.34 (1,025) x 45.65 (1,160) x 85 (2,159)	254 (115)	1/4" MNPT	1/4" MNPT
1250 1/2"	5.66 (21.43)	47.24 (178.82)	1,850 (127.55)	1/2 (12.70)	40.34 (1,025) x 45.65 (1,160) x 85 (2,159)	254 (115)	1/4" MNPT	1/4" MNPT

Chart data reflects system as shown featuring one (1) solar panel.
Minimum flow represents lowest capability independent of insolation factor.
Maximum flow rates based on insolation factor of 7.0 against 0 PSIG (0 BARG) discharge pressure.
Table data ranges above should be for quick reference only. See complete charts for system selection.

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Series FXS
Solar Injection System

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CheckPoint's **Series FXS Solar Injection System** was designed to provide a quality, low-maintenance, and environmentally friendly chemical injection solution. From its high-grade materials of construction (316SS, Hastelloy, and PVC) to its unique tripod stand, this system was designed with maximum utility in mind.

The Series FXS Solar Injection System's lightweight, portable, and sturdy design lends itself to easy mobility in the field. Each system is prewired with industry-standard MC4 quick connectors for both the panel and the pump, ensuring minimal installation and setup time. The entire system was designed to be effortlessly assembled by one person in as little as fifteen minutes. The front access enclosure containing its battery and charge controller is raised to an easy-access level that provides clearance for rain or snow. The integrated base allows the pump to dependably stand alone or to be easily bolted to a structure.

This package can accommodate multiple plunger diameters ranging from 1/8" to 1/2", which allows for a wide variety of flow rates and pressures. The pump can deliver up to 47.24 USG/D (178.82 L/D) and can reliably inject into pressures up to 12,000 PSIG (827.37 BARG).

CheckPoint's Series FXS Solar Injection System is optimized for continuous, reliable chemical injection, with precision flow rate control and no timers. Its Class 1, Division 2 pump motor ensures a heightened level of quality and safety. Each solar system is sized per application and uses a highly efficient pump designed and manufactured in-house by CheckPoint, ensuring battery longevity. In addition to diminishing the waste associated with battery failure, eliminating gas emissions further protects the environment.

From its ease of installation and maintenance, to its wide range of flow rates and pressures, to its safety and environmental benefits, every aspect of this system's design will optimize your chemical injection processes. For applications beyond those provided, please contact CheckPoint for a customized solution.

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