Series 1250
Pneumatic Pump

PUMP CATEGORY
Type: Plunger
Control: Cycle Speed
Stroke: 1in (25mm) Fixed

FLOW RATE
0.002 - 8.0 USG/H (0.007 - 30.28 L/H)

PRESSURE
0 - 12,000 PSIG (0 - 827.4 BARG)

SUPERIOR DESIGN
- Durable, High-Quality Materials
- No Springs or Diaphragms
- Accurate and Repeatable Injection
- Quick Maintenance and Low Downtime
- High Return on Investment

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

OPTIONS
GR: Zero emissions with 170 PSIG (11.7 BARG) gas recovery capability
EV: Extreme Viscosity for liquids up to 2,500 cP

WARRANTY
CheckPoint guarantees 40 months of material and workmanship.

MODEL	FLOW RATE (MINIMUM) USG/H (L/H)	FLOW RATE (MAXIMUM) USG/H (L/H)	WORKING PRESSURE (MAXIMUM) PSIG (BARG)	PISTON DIAMETER IN (MM)	PLUNGER DIAMETER IN (MM)	DIMENSIONS L X W X H IN (MM)	WEIGHT LB (KG)	SUCTION CONNECTION	DISCHARGE CONNECTION
1250B 1/8"	0.002 (0.007)	0.47 (1.8)	12,000 (827.4)	2.5 (63.5)	1/8 (3.2)	5.54 (141) x 6.50 (165) x 12.07 (307)	11 (5)	1/4" MNPT	1/4" MNPT
1250B 3/16"	0.007 (0.026)	1.14 (4.3)	7,500 (517.1)	2.5 (63.5)	3/16 (4.9)	5.54 (141) x 6.50 (165) x 12.07 (307)	11 (5)	1/4" MNPT	1/4" MNPT
1250B 1/4"	0.013 (0.05)	2.0 (7.6)	12,000 (827.4)	2.5 (63.5)	1/4 (6.4)	5.54 (141) x 6.50 (165) x 12.07 (307)	11 (5)	1/4" MNPT	1/4" MNPT
1250B 3/8"	0.04 (0.16)	4.67 (17.7)	7,500 (517.1)	2.5 (63.5)	3/8 (9.5)	5.54 (141) x 6.50 (165) x 12.07 (307)	11 (5)	1/4" MNPT	1/4" MNPT
1250B 1/2"	0.08 (0.31)	8.0 (30.3)	5,000 (344.7)	2.5 (63.5)	1/2 (12.7)	5.54 (141) x 6.50 (165) x 12.07 (307)	11 (5)	1/4" MNPT	1/4" MNPT

Tabular data should be used for quick reference only. See performance curves for accurate pump selection.
This performance data represents the standard Series 1250. Contact CheckPoint for additional data.

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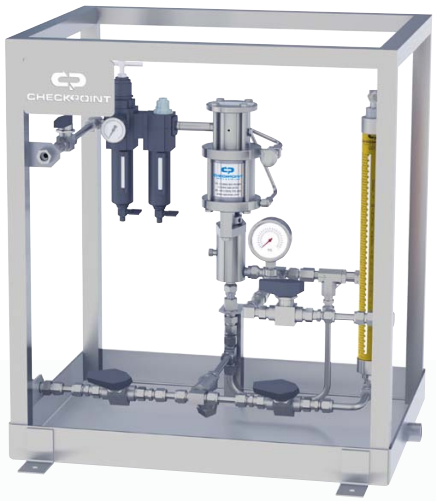
CheckPoint's positive displacement, reciprocating chemical injection pumps are specifically designed for, and extensively proven in, demanding oil and gas production applications worldwide. Our pumps are utilized in various industries, such as pulp, water treatment, fertilizer dosing, paper, and fluid processing applications, where precise delivery is operationally paramount. The pneumatic motor, composed entirely 316 SS, remains isolated from the wet end and is dependably able to run on pressurized gas or liquid without stalling. CheckPoint's double-acting design eliminates a return spring, which greatly increases repeatability and reliability over time.

The **Series 1250** pump delivers up to 8.0 USG/H (30.38 L/H) and can reliably inject into pressures up to 12,000 PSIG (827 BARG). CheckPoint's modularly designed chemical heads and range of plunger sizes meet a wide variety of injection applications. Our pumps maintain unparalleled chemical resistance due to the essential integration of high-quality, proprietary seal materials. In order to meet a wide variety of chemical compatibility needs, wetted parts are available in an array of materials, such as 316 SS, Hastelloy C-276, Duplex 2205, Super Duplex 2507, PVC, ceramic and titanium, and seals are available in Viton, HNBR, FKM, and FFKM. All construction materials are compatible with sour gas according to NACE MRO175 and ISO 15156.

Only CheckPoint's pneumatic pumps can recover exhaust gas under significant backpressure. This unique gas recovery system enables processes to reuse drive gas after it has powered the pump. Consider the environmental benefits, as well as the cost savings, achieved by rerouting spent drive gas to the suction side of a gas compressor. This exclusive feature aids in lowering gas emissions while powering thermoelectric generators, feeding catalytic heaters, and even running within enclosures while venting externally.

We recommend "Plug & Play" injection packages (as pictured below) as an optimum solution to efficiently and effectively integrate chemical injection into your process. CheckPoint has engineered, manufactured, and sourced high-quality components which, combined in a package with our pumps, maximize product life and optimize productivity. We also offer custom system design and technical services to meet specialty product requirements. CheckPoint will create a solution that meets your specific chemical injection needs, from concept to completion.