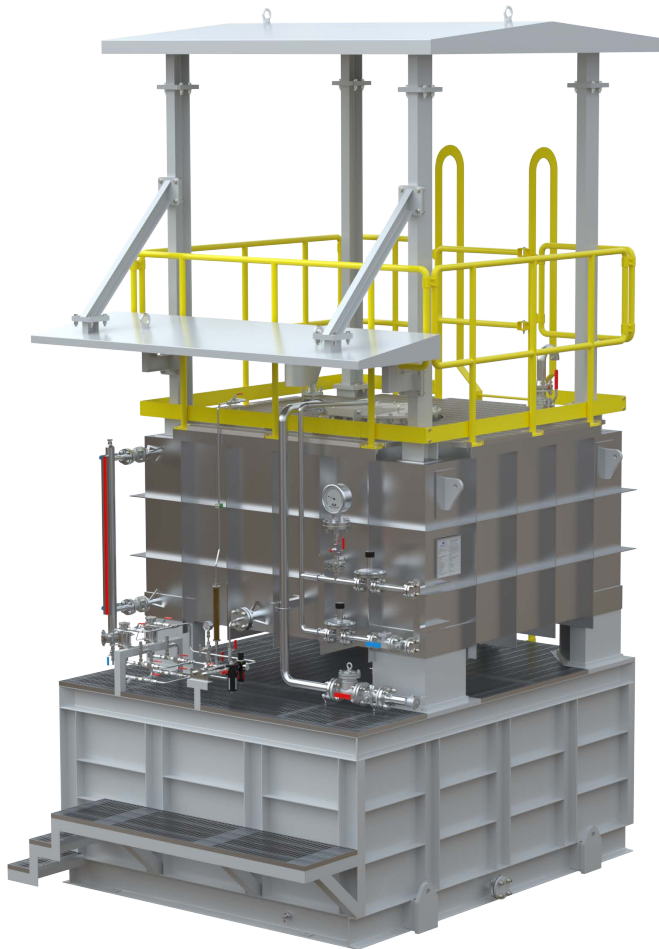


# Chemical Injection Package Corrosion Inhibitor



## PUMP CATEGORY

Type: Plunger  
Drive: Pneumatic  
Control: Cycle Speed  
Stroke Length: 1 in (25 mm) fixed

## SKID CATEGORY

**Chemical Dosing Rate:** 3.3 LPH (80 LPD)

**Discharge Pressure:** PSIG (35 BARG)

**PRV Set Pressure:** Discharge + 10%

**Drive Supply Type:** Electrical

**Supply Details:** 380 VAC, 3 PH, 50 HZ

**Area Classification:** Zone 2

### Specialist Requirements:

- 2000-litre chemical storage tank
- Local control panel for start/stop (on/off)
- Chemical drum transfer pump w/ 6m hose
- Level transmitter (HART 4-20mA) w/ wireless THUM
- Level switch integral with tank level gauge for LL pump trip

## SYSTEM DESCRIPTION

This 18 ft tall corrosion inhibitor injection package contains a gross tank capacity of 7,400 L and an operating weight of 19,700 KG, and was designed for a challenging water treatment environment in a Gulf nation.

| 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.