

Plug & Purge™ Automatic Purging System



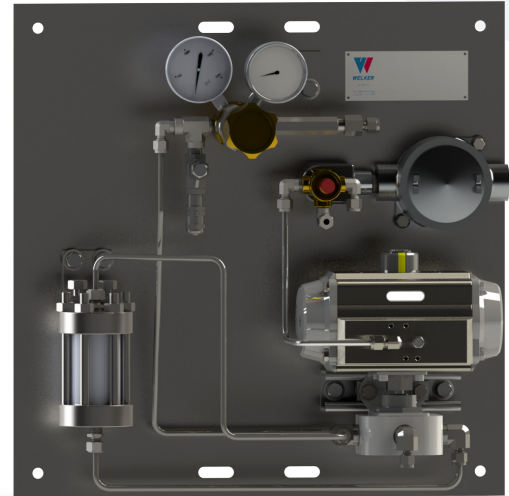
The Welker Plug & Purge™ Automatic Purging System safely and effectively purges samplers and sampling systems to ensure a representative sample and prevent cross-contamination between sample batches. The first of its kind, the Plug & Purge™ meets the latest recommendation of API 8.2 and ASTM D4177.

Features

- Welker Purge Cylinder delivers the same volume of compressed inert gas each purge cycle
- Valve actuator for remote purging
- Regulator with safety relief valve ensures proper purge pressure
- Modular design with two mounting options
- Optional pressure transmitter signals the Programmable Logic Controller (PLC) when the inert gas supply tank needs servicing

Benefits

- Achieve a full purge in under a minute
- Sample representativeness is not compromised by under- or over-purging
- No trapped samples to contaminate the next sample batch
- No trapped water to skew the results of water injection tests
- No wasted inert gas
- Off-site operation and monitoring
- Standardized panel for easy wall or pipe stand mounting
- Easily upgrade an existing system or customize a new system



SPECIFICATIONS

PLUG & PURGE™ AUTOMATIC PURGING SYSTEM

Plug & Purge™

Materials of Construction	316/316 L Stainless Steel, PTFE, Viton®
Connections	Inert Gas Inlet, Purge Outlet, Solenoid Input, Solenoid Return: ¼" Tubing Test Port (Optional Pressure Transmitter): ¼" FNPT
Utility Requirements	Inert Gas Supply for Purge Operation Hydraulic or Pneumatic Supply (Optional): 50 – 100 psig
Electrical Connections	Solenoid: ½" FNPT, AC 120 V Pressure Transmitter (Optional): ½" FNPT, DC 24 V
Volume	25 cc Cylinder and 50 cc Purge (Standard)
Dimensions	20" Length x 20" Height x ¼" Width
Operating Pressure	Actuation: 100 psig @ -20 °F to 120 °F Downstream of Regulator: 1500 psig @ -20 °F to 120 °F Pneumatic: 2500 psig @ -15 °F to 120 °F
Electrical Area Classification	NEC Class I, Div. 1, Groups A, B, C, & D, T3

Weight and/or dimensions are approximate.
Specifications subject to change without notice.

