

# RFPS Refined Product Sampling System



The Welker® RFPS Refined Product Sampling System is designed to collect large volumes of sample that can be collected and stored, and then mixed prior to transfer to a transportable cylinder for transport to the laboratory. The RFPS utilizes two large LS-14 sample cylinders and an inert gas supply, such as nitrogen, to maintain constant pressure on the sampled product. This facilitates collection of accurate and representative samples by maintaining the phase of collected samples and by preventing the escape of entrained gases. This system can interface with a PLC or other flow computer to take automatic composite samples, and it can be operated manually to collect spot samples from the included spot sampling manifold.



## SPECIFICATIONS

RFPS REFINED PRODUCT SAMPLING SYSTEM

### RFPS

Materials of Construction	316/316L Stainless Steel, Anodized Aluminum, Carbon Steel Manifolds & Filters, Kalrez® Wetted Seals, Teflon®, Viton® Non-wetted Seals
Temperature Range	For Use in Ambient Temperatures of -4 °F to 104 °F
Sample Inlet Connection	3/8" FNPT
Sample Outlet Connection	3/8" FNPT Sample Return Outlet 1/2" FNPT Outlet to Sump Connection 1" Drain Connection
Sample Draw-Off Valve Connection	1/4" FNPT, Optional Flexline With Quick Connect Fittings Included
Pneumatic Connection	1/4" FNPT Instrument Air Inlet
Pneumatic Supply	150 psig or Less Required for Cleaning Hose Air Supply
Electrical Connection	1" Inlet to Explosion-Proof Boxes
Electrical Supply	DC 24 V 4-Way Solenoid DC 24 V Electrical Connections 4-20 ma Analog Output Signal
Volume	3 US gallons Per LS-14 Cylinder @ 100% Full
Sample Grab Rate	Set at 5 cc Standard 0 – 10 cc Available
Operating Pressure	1480 psig MAOP @ -20 °F to 100 °F
Product Certification Options	CE/ATEX – Apparatus Groups: Zone 2, II 2 G Ex d IIC T4
Industry Standards	NEC Class I, Div. 1, Groups C & D CE (Optional)

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

