

SQ2MICRO Series

UHP Tied Diaphragm, Miniature Pressure Regulator
Welded, Stainless Steel

aerospace
climate control
electromechanical
filtration
fluid & gas handling
hydraulics
pneumatics
process control
sealing & shielding

Value Proposition:

The SQ2Micro and SQ2Micro130E are miniature, high performance, point-of-use regulators with a small foot-print. The SQ2Micro provides excellent repeatability, stability, sensitivity and has extraordinary response to step function changes. The space savings allows a closer spacing of components and process lines while providing excellent regulation control.



Contact Information:

Parker Hannifin Corporation
Veriflo Division
250 Canal Blvd
Richmond, California 94804

phone 510 235 9590
fax 510 232 7396
veriflo.sales@parker.com

www.parker.com/veriflo
Mobile App: m.parker.com/veriflo

Product Features:

- Standard Hastelloy C-22® Poppet and Diaphragm
- Standard full internal electropolish
- Miniature footprint, internal volume, and surface area
- Extremely low particle counts
- Small footprint allows for same spacing as Quantum Veriflo valves
- Both a 0.06 and 0.15 Cv are available
- No springs or threads are exposed to the wetted area

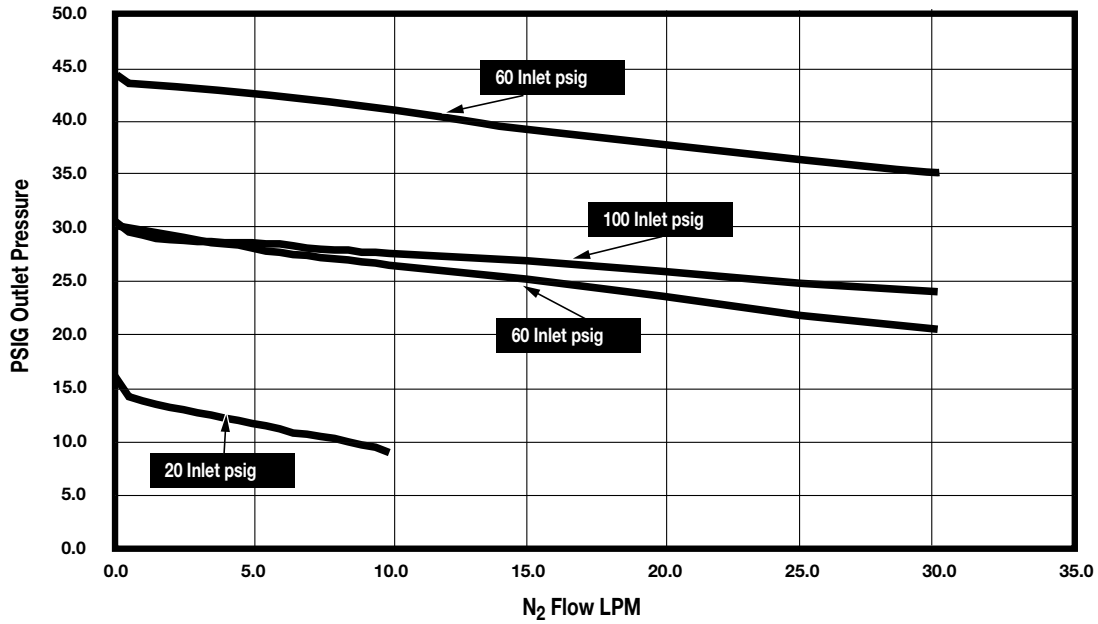


ENGINEERING YOUR SUCCESS.

SQ2MICRO Series

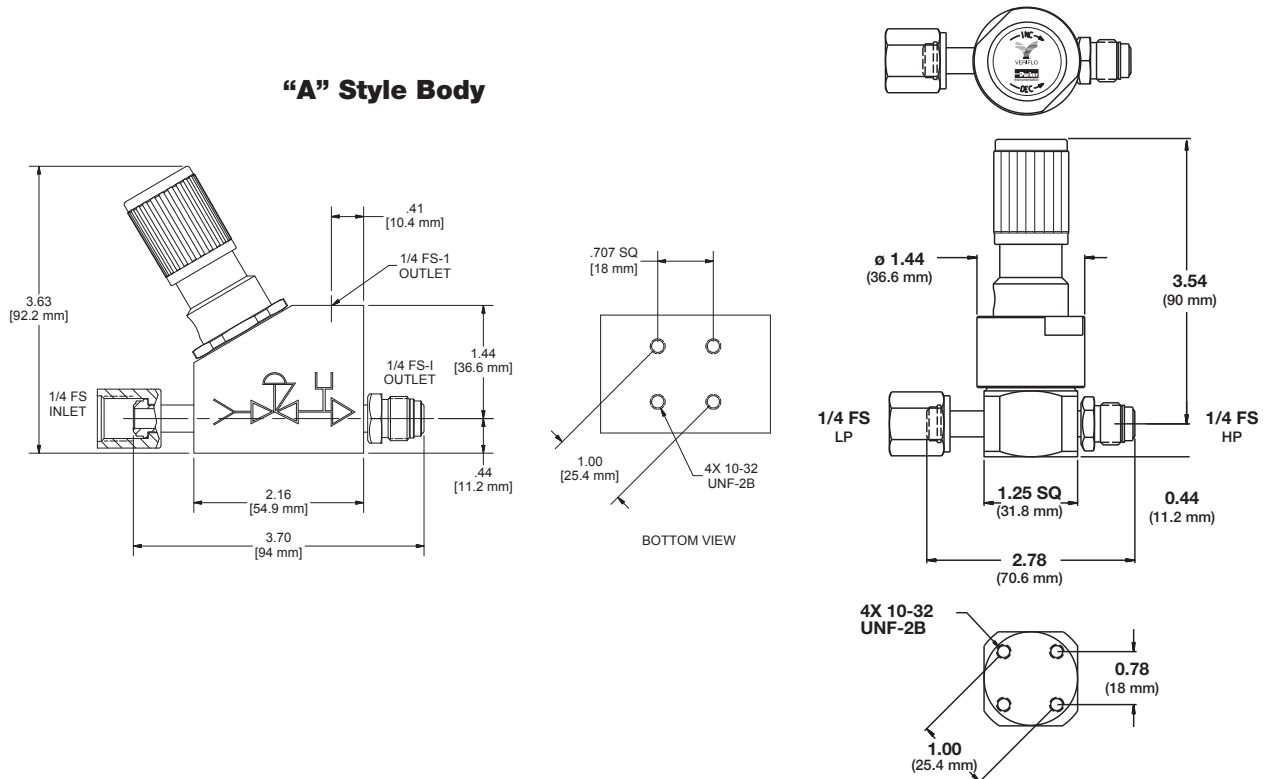
Flow Curve

Additional flow curves available upon request



Dimensional Drawing

"A" Style Body



Safety Guide and Installation and Operating Instructions available at
www.parker.com/veriflo

SQ2MICRO Series

Specifications

Materials of Construction	
Wetted	
Body	VeriClean™ 316L Stainless Steel
Compression Member Options	VeriClean™ 316L Stainless Steel (std) or Hastelloy C-22®
Diaphragm Options	Hastelloy C-22® (std) or 316L Stainless Steel
Poppet Options	Hastelloy C-22® (std) or 316L Stainless Steel
Seat Options	PCTFE (std) or Vespel®
Non-wetted	
Cap	Nickel Plated Brass
Nut	Stainless Steel
Knob	
SQ2Micro	ABS (Blue)
SQ2Micro130E	ABS (Black)
Operating Conditions	
Maximum Inlet	250 psig (17 barg)
Outlet	-10 - 60 psig (260 torr - 4.1 barg)
Temperature	-40°F to 150°F (-40°C to 66°C)

Functional Performance	
Design	
Burst Pressure	750 psig (52 barg)
Proof Pressure	375 psig (26 barg)
Flow Capacity	
SQ2Micro	C _v 0.06
SQ2Micro130E	C _v 0.15
Leak Rate	
Inboard Test Method	
Internal	< 5 x 10 ⁻⁸ scc/sec He
External	< 2 x 10 ⁻¹⁰ scc/sec He
Internal Volume	
SQ2Micro	2.56 cc
SQ2Micro130E	4.21 cc
Approx. Weight	0.9 lbs. (0.42 kgm)
Surface Finish	5 micro inch Ra

Vespel® is a registered trademark of DuPont Performance Elastomers L.L.C.
Hastelloy C-22® is a registered trademark of Haynes International, Inc.
VeriClean™ is a trademark of Parker Hannifin Corporation

For additional information on materials of construction, functional performance and operating conditions, please contact factory.

OFFER OF SALE:

The items described in this document are hereby offered for sale by Parker-Hannifin Corporation, its subsidiaries or its authorized distributors. This offer and its acceptance are governed by the provisions stated in the detailed "Offer of Sale" elsewhere in this document or available at www.parker.com/veriflo



FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE. THIS DOCUMENT IS FOR REFERENCE ONLY. PLEASE CONSULT FACTORY FOR LATEST PRODUCT DRAWINGS AND SPECIFICATIONS

This document and other information from Parker-Hannifin Corporation, its subsidiaries and authorized distributors provide product or system options for further investigation by users having technical expertise.

The user, through its own analysis and testing, is solely responsible for making the final selection of the system and components and assuring that all performance, endurance, maintenance, safety and warning requirements of the application are met. The user must analyze all aspects of the application, follow applicable industry standards, and follow the information concerning the product in the current product catalog and in any other materials provided from Parker or its subsidiaries or authorized distributors.

To the extent that Parker or its subsidiaries or authorized distributors provide component or system options based upon data or specifications provided by the user, the user is responsible for determining that such data and specifications are suitable and sufficient for all applications and reasonably foreseeable uses of the components or systems.

The products described herein, including without limitation, product features, specifications, designs, availability and pricing are subject to change by Parker Hannifin Corp and it's subsidiaries at any time without notice.

Proposition 65 Warning: This product contains chemicals known to the state of California to cause cancer or birth defects or other reproductive harm.

© 2009 Parker Hannifin Corporation



Use mobile device to scan this QR Code.

LitPN: 25000242

Rev: F

Date of Issue 04/2013



ENGINEERING YOUR SUCCESS.