

μ ·Tek™

PRESSURE CONTROLS



TESCOM
CORPORATION

The Engineered Solutions COMPANY

Tescom μ •Tek™ *products merge performance and value*

For years Tescom has been an innovator of pressure control technology for the semiconductor market. Now this innovation is available in the new μ •Tek™ family of point-of-use miniature products. This new family of miniature ultra-clean products includes valves, regulators, integral filters and product integrations allowing you to downsize not only your surface mount gas systems but also your conventional plumbed systems.

Complete line of products

The μ •Tek™ product family provides you one-stop shopping for all of your point-of-use gas system needs. From valves and regulators to filtration and multi-functional integrated products, Tescom has everything you need in both conventional ported and surface mount gas system components.

μ •Stik™ *technology*

If downsizing your gas system is your need, allow Tescom to use the new μ •Tek™ products to design a new μ •Stik™ for your gas system. Tescom's μ •Stik™ technology allows for the integration of valves, filters, pressure regulation and pressure sensing in one small package. Look to Tescom to design a μ •Stik™ to meet your critical application.

Value performance ratio

The innovation of Tescom has excelled with a blend of high performance, high value and system flexibility. The μ •Tek™ product family conforms to 1.125" and 1.5" footprints, conventional porting and integrated systems with our μ •Stik™ technology. Now that's **flexible strength!** Combine this with Tescom's command of pressure controls, we are capable of reducing the footprint, reducing the number of seals, reducing the installation time, reducing the complexity... **improving your system performance!**

Bring real value and performance to your gas system!



Regulators

PRODUCT	OUTLET PRESSURE	FLOW RATING	PORTING AVAILABILITY
12 Series, Vacuum	20" Hg – 15 PSIG (20" Hg – 2 kg/cm ²)	10 SLPM	1.125" surface mount 1.5" surface mount 1/4" VCR, 1/4" tube stubs
12 Series, Low Flow	30, 60, 100 PSIG	50 SLPM	1.125" surface mount 1.5" surface mount 1/4" VCR, 1/4" tube stubs
12 Series, High Flow	30, 60, 100 PSIG	120 SLPM	1.125" surface mount 1.5" surface mount 1/4" VCR, 1/4" tube stubs
12 Series, .003 Micron Integral Filter	20" Hg – 15 PSIG, 30, 60, 100 PSIG	5 SLPM	1.125" surface mount 1.5" surface mount 1/4" VCR, 1/4" tube stubs

Valves

PRODUCT	PRESSURE RATING	C _v	PORTING AVAILABILITY
14-1 1/4 Turn Manual (patent pending)	250 PSIG	.35	1.125" surface mount 1.5" surface mount 1/4" and 1/2" VCR 1/4" and 1/2" tube stubs
14-2 Air Operated normally closed (patent pending)	125 PSIG	.35	1.125" surface mount 1.5" surface mount 1/4" and 1/2" VCR 1/4" and 1/2" tube stubs

Product Specifications

SPECIFICATION	μ • Tek REGULATORS	μ • Tek VALVES
Materials in contact with media: body valve seat diaphragm valve trim	316L VAR PCTFE (Kel-F) Hastelloy® 316 SST with Hastelloy® option	316L VAR PCTFE (Kel-F) Elgiloy® N/A
Internal surface finishes	10 and 5 Ra	10 and 5 Ra
Certified maximum inboard leak rate: diaphragm seat	1 x 10 ⁻⁹ performance leak test	1 x 10 ⁻⁹ 4 x 10 ⁻⁹
Actuator port	N/A	1/8" NPT 1/8" Push-to-connect 5/32" Push-to-connect



HIGH PURITY CONTROLS DIVISION

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Global technical support & distribution • Design & manufacturing facilities in the U.S., Germany & Korea

Represented by:

ISO 9001 Certified Quality System

