

Pressure Control Solutions

for Pharmaceutical & Biotechnology Manufacturing



TESCOM
CORPORATION

Ultra-clean pressure control: a cost-effective solution!

Tescom provides pressure controls to meet your *toughest* bio/pharm applications! From high purity specialty gas regulators to pump seal tracking regulators, you'll find Tescom products in all facets of R&D and manufacturing. We specialize in precision, high purity pressure control that is very cost-effective. Tescom has been creating leading edge pressure control technology for over 40 years! We offer:

- ❑ A wide array of pressure regulators: ranges from **vacuum to 20,000 PSIG**
- ❑ Fluctuations as precise as **+/- .1 PSIG** with our electronic pressure controllers
- ❑ Low flow models providing flows as low as **2 SCCM** (reactor feedgas), high flow models with flows in excess of **400 SCFM** (fermenters)
- ❑ A large selection of dome and air-loaded regulators combined with electronic pressure controllers for **automation** of pressure routines previously done manually
- ❑ Our FOCUS Electronic Pressure Controller for fully tunable, **closed-loop** pressure control



Typical applications

- Specialty gas control for labs & process devices
- Clean steam control for reactors
- Process gas control for reactors, fermenters
- Breathing air supply regulators
- Tracking pressure control of process pump seals
- Stable pressure control for gas-over-liquid product fillers
- Sterile water blanketing systems
- Analytical chromatography (changeover regulators and metering valves)

Standard product features

- Metal to metal diaphragm seals - numerous models
- 316 or 316L Stainless Steel construction
- Electro-polished wetted surfaces
- Minimal soft goods
- Very low internal volumes

Options

- Brass, Monel® or Hastelloy® construction
- Custom modifications
- 10 R_a microinch internal surface finishes
- Changeover regulators, metering valves
- Electronic Pressure Controllers

UltraClean Pressure Regulators

Regulator Series	Inlet Pressure PSIG (max.)	Outlet Pressure PSIG (max.)	Flow Rating	C _v	Available Porting
44-2200 	400, 3500	25, 50, 100, 250, 500	100 SLPM	.06, .15, .24	NPT
22-2200 	250	30, 60, 100, 150	100 SLPM	.24	Sanitary Fittings Compression Fittings Tube Stubs
74-3000 	600, 1000	30, 60, 100, 150	500 SLPM	.50	Sanitary Fittings Compression Fittings Tube Stubs
44-3200 	500, 3000	25, 50, 100, 250	950 SLPM	1.0	NPT
23-4 	150, 250	30, 60, 100	950 SLPM	1.8	Sanitary Fittings Compression Fittings Tube Stubs
DH Series 	300	20, 50, 100 150, 250	7,000 SLPM	5.0	NPT
22-5800 	300	20, 50, 100 150, 250	7,000 SLPM	5.0	Sanitary Fittings Tube Stubs
15 Series 	300	130	11,300 SLPM	8.0	Sanitary Fittings Compression Fittings Tube Stubs
44-4600 Absolute 	120, 3500	28" Hg vac to 15 PSIG	10, 20 SLPM	.06, .24	NPT Sanitary Fittings Compression Fittings Tube Stubs
44-4700 Back Pressure 	28" vac to 15, 50, 100, 150	NR	100 SLPM	.04, .30	NPT Sanitary Fittings Compression Fittings Tube Stubs
FOCUS Electronic Pressure Controller 	350, 500, 3500	60, 80, 90	0-100, 550, 900, 2500 SLPM 0-1500 SCFM	.06, 1.0, 1.8, 8.0	NPT Sanitary Fittings Compression Fittings Tube Stubs



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