

Products By Industry

Company Information

DMISC2038X012

Don't know where to start? We have narrowed down your search by listing the top selling products in the major industries we serve. Remember, this is only a start. If you still can't find what you need, please contact your local TESCOM sales office or call us directly and we'll be happy to assist you.



AEROSPACE & DEFENSE

PAGE

26-1000 Series

High pressure, pressure reducing regulator typically used in test equipment, calibration stands and production equipment.

105

26-1200 Series

High flow pressure reducing regulator typically used in rocket engine testing and fueling.

115

26-2000 Series

High pressure, low flow piston sensed regulator typically used in R&D labs, pressure filling, calibration testing, burst testers and component testing.

129

ER3000 Series

Electropneumatic controller that is combined with a wide range of pressure reducing regulators and an external transducer, provides true distributed control of liquids or gases. Typically used in test equipment, calibration stands and product equipment.

581

Systems Capabilities

Provides integrated pressure control solutions in a wide variety of applications. These systems consist of manifolds, panels and custom assemblies that streamline your process.

603

VA/VG Series

Air operated valves that offer normally open/closed capabilities, operating pressures for 6000, 10,000 and 15,000 psig / 413, 690 and 1034 bar. These high cycle life valves are suitable for liquid and gas applications.

529

30 Series

High flow, high pressure hand valves with 6000-10,000 psig / 413-690 bar pressure range, $C_v = 0.28$ to 20.0 flow rate and 316 Stainless Steel construction. Typically used on service carts, pressure control and gauge panels.

507



ALTERNATIVE ENERGY

20-1000 Series

Pressure reducing piston sensed regulator designed with aluminum construction for onboard compressed natural gas vehicles with 7 liter engines or larger.

93

20-1100 Series

A complete CNG pressure regulator system designed for onboard compressed natural gas vehicles with 7 liter engines or larger. The main function is the reduction of tank pressure to a preset outlet pressure but also includes other components critical to the gas delivery system. This proven design derived from the 20-1200 Series offers cost reduction in fittings in a pre-packaged system.

97

20-1200 Series

Aluminum construction preset, piston sensed regulator that offers high cycle life and an integrated 10 micron filter. Commonly used on 350 bar hydrogen fuel cell storage systems for onboard vehicles.

101

44-2600 Series

Compact and extremely sensitive, this high purity single-stage regulator is ideal for final pressure delivery for small and medium size hydrogen fuel cells. Features a large Stainless Steel diaphragm for best sensitivity and external leak integrity.

165

VA/VG Series

Air operated on/off valves for normally open/closed positions in gas or liquid media. These high pressure, compact valves are excellent for gas storage systems, bottle filling and priority filling for up to 20,000 psig/1380 bar service.

529

Products by Industry



DIVING & LIFE SUPPORT

PAGE

26-2900 Series
Dome load negative bias backpressure regulator with a balanced main valve. Ideal for use in constant bias applications like offshore diving, dumping exhaled breath from pressure chamber (BIBS) or diving bell.

455

44-1100 Series
High pressure, low flow venting regulator offers a piston sensed design, with a large low torque handknob. Typically used in tank filling and hard helmet diving.

133

44-1300 Series
High pressure, high flow regulator offers balanced valve design and venting. Ideal for use in commercial diving, special gas mix regulation, hard suit diving and high pressure tube trailer gas reduction.

141

BB-1 Series
High pressure, low flow miniature pressure reducing regulator is non-venting and compact, weighing approximately 4 oz / 113 g. Ideal for use in portable and OEM equipment.

235

Systems Capabilities
Provides integrated pressure control solutions in a wide variety of applications. These systems consist of manifolds, panels and custom assemblies that streamline your process.

603



ENERGY & ENVIRONMENTAL

26-1500 Series
Highly sensitive diaphragm sensed pressure reducing regulator for transformer and circuit breaker blanketing applications.

121

44-2200 Series
Compact, lightweight high purity single-stage regulator for specialty, flammable and industrial gas flows of < 5 SCFM / 141 SLPM. Ideal for analyzer applications, water sampling systems and actuator pressure control.

157

44-2600 Series
Compact, highly sensitive high purity single-stage regulator for specialty, flammable and industrial gas flows of < 10 SCFM / 283 SLPM. Ideal for low pressure sampling systems or other low differential pressure applications such as transformer or generator blanketing.

165

44-3400 Series
Compact, lightweight high purity two-stage cylinder regulator for specialty, corrosive and pyrophoric gas flows of < 5 SCFM / 141 SLPM. Typically used for analyzer carrier gases.

181

NA-4 Changeover System
Designed to ensure a continuous gas supply of carrier gases with no interruption due to supply depletion or change out.

571



INDUSTRIAL MANUFACTURING & TESTING

PAGE

SG Series

Consisting of SG1, SG2 and SG3 models, these compact, lightweight high purity single-stage and two-stage regulators are designed for specialty and industrial gas flows from 5-200 SCFM/141-5663 SLPM. Easily select from optional gauges, relief and shut-off valves and cylinder connections. Ideal for metal fabrication and specialty and industrial gas cylinders.

311

26-1700 Series

Backpressure regulator that controls pressures up to 20,000 psig/1380 bar for low and medium flow applications in gas or liquid service. Typically used in pump discharge control for product cycle and burst testing or reactor pressure control. The optional air load feature allows adapting the TESCOM ER3000 for automation and improved accuracy.

435

26-2000 Series

High pressure, pressure reducing regulator for low and medium flow applications is available with seven different pressure ranges. The standard captured vent feature allows pressure adjustment up or down in either gas or liquid service. Ideal for product cycle testing, instrument calibration and process control. The optional air load feature allows adapting the TESCOM ER3000 for automation and improved accuracy.

129

26-2300 Series

Highly accurate diaphragm sensed backpressure regulator for low and medium flow applications. Available with spring, dome and air load actuation as well as various Cvs to assure optimum performance. Typically used in hydraulic or pneumatic test stands and can be used with the TESCOM ER3000 for automation.

443

44-1100 Series

High pressure, low flow venting regulator is available with six different outlet ranges. Ideal for test and calibration systems requiring preset or infrequent adjustments. Many modifications are available to satisfy your hydraulic or pneumatic application requirements.

133

DH Series

High flow, low pressure regulator with large diaphragm for excellent sensitivity. This design offers low droop and works well with low differential conditions. Ideal for high flow purging, tank blanketing and testing applications at low pressure settings. Available with spring, dome and air load actuation, and can be used with the TESCOM ER3000 for automation.

255

ER3000 Series

Electropneumatic controller that is adapted to most TESCOM mechanical regulators for automation and improved accuracy. The ER3000 requires a feedback signal from a transducer for closed loop control of liquids and gases. Typically used in test equipment, calibration equipment or production equipment.

581

Systems Capabilities

TESCOM offers manifolds, custom assemblies and complete systems to save you time and money. We can simplify your existing system or create a new system with complete electrical, mechanical and design capabilities.

603

VA/VG Series

Air operated on/off valves for normally open or normally closed positions in gas or liquid media. This high pressure, compact valve saves considerable space compared to ball valves. These valves are ideal for isolation, cycle testing and emergency dump in hydraulic or pneumatic test stands up to 20,000 psig / 1380 bar. Three-way VT Series valve is also available.

529

Products by Industry



LABORATORY AND R&D

PAGE

26-1700 Series
Backpressure regulator that controls pressures up to 15,000 psig / 1034 bar and is suitable for gas or liquid service. Typically used in pump and reactor pressure control.

435

26-2000 Series
High pressure, low flow piston sensed regulator typically used in R&D labs, pressure filling, calibration testing, burst testers and component testing.

129

44-2200 Series
Compact, lightweight high purity single-stage regulator for specialty, flammable, and industrial gas flows of less than 5 SCFM / 141 SLPM. Ideal for use in laboratory and point-of-use gas systems, sampling systems, zero, span and calibration analyzer gases.

157

44-3400 Series
Compact, lightweight high purity two-stage cylinder regulator for specialty, corrosive and pyrophoric gases. Ideal for use in high pressure gas cylinders for specialty and industrial gases.

181

Wega 1 and 2
Single-stage (Wega 1) and dual-stage (Wega 2) cylinder pressure regulators for gas purities up to 6.0. Integrated relief valve - lightweight and compact design including dual-stage version.

337

Wega Corrosive Gases and Purging
Single-stage cylinder regulator with captured bonnet. Ideal for use with corrosive gases. Includes integrated shut-off valve and check valve. Suitable for inert gas purging.

341

Compact Panel
Compact, lightweight unit for the pressure control of analytical, specialty or corrosive gases in laboratory facilities. Complete automatic switch-over system provides continuous gas supply. The use of contact gauges allows the monitoring of empty gas cylinders.

557

MiniLabo 2
Point-of-use regulator with a compact, modular and ergonomic design for non-corrosive/corrosive gases and mixtures up to 6.0 purity. Used in laboratory, R&D and analyzer applications.

285



LIFE SCIENCES

PH-1600 Series
High purity, high flow (5-200 SCFM / 141-5663 SLPM) single-stage regulator offers a compact, USP Class VI and BPE compliant design suitable for biotech and pharmaceutical gases. Ideal for use in clean steam for sanitization and vessel headspace pressurization.

409

PH-1800 Series
High purity, high flow (5-2000 SCFM / 141-56633 SLPM) single-stage regulator offers a compact, USP Class VI and BPE compliant design suitable for biotech and pharmaceutical gases. Ideal for use in clean steam for sanitization and vessel headspace pressurization.

413

PH-2200 Series
High purity, low flow single-stage regulator offers a compact, USP Class VI and BPE compliant design suitable for specialty gases and clean steam. Ideal for use in sparge gases and clean steam for sanitization.

417

PH-2600 Series
High purity, low flow, low pressure single-stage regulator offers a compact, USP Class VI and BPE compliant design suitable for specialty gases. Ideal for use in sparge gases and clean steam for sanitization.

421

PH-3200 Series
High purity, medium flow single-stage regulator offers a compact, USP Class VI and BPE compliant design suitable for biotech and pharmaceutical gas flows of 5-50 SCFM / 141-1415 SLPM. Ideal for use in sparge gases and clean steam for sanitization.

425



MEDICAL (AVAILABLE ONLY IN EUROPE)

PRODUCTS LISTED HERE ARE NOT IN THIS CATALOG AND AVAILABLE FOR THE EUROPEAN MARKET ONLY. All products are CE-Marked according to medical device directive 93/42/EEC. For more information about our European Medical products, please visit our website.

WegaMed 200 and WegaMed 300

The WegaMed 200 and 300 are single-stage cylinder regulators designed in correspondence with DIN EN ISO 10524-1 for pressure reduction of pressurized medical gases. Pressure rating is 2900 and 4350 psig / 200 and 300 bar respectively.

WegaMed Testgas

Single-stage cylinder regulator for the fixed assembly with medical devices. Preset pressure reduction of pressurized medical gas mixtures. Suitable for mobile and stationary applications.

WegaMed N/NO

This preset Stainless Steel pressure reducing regulator is for use with medical N2/NO gas mixtures. Ideal for Pulmonary Vasodilation with NO (max. 1000 ppm) application. Single-stage and dual-stage versions are available (with high precision flowmeter).

Central Gas Supply - Regulator II

Single-stage adjustable pressure regulator designed according to DIN EN ISO 10524-4 for the reduction of pressurized medical gases in hospital central gas supply. Ideal for low pressure terminal units. Maximum pressure rating is 72.5 psig / 5 bar.

TESAM and TEGOM

Test benches that are designed to conduct the stringent requirements of the European medical legislation. The TEGOM is a mobile test bench for servicing Medical Terminal Units; the TESAM is a mobile test bench for servicing pressure regulators, vacuum regulators and flowmeters.

PAGE

PRODUCTS NOT IN CATALOG



MICROELECTRONICS

12 Series

A miniature ultra high purity IGS/VCR pressure reducing regulator offers 5 Ra or 10 Ra micro inch finishes, tied diaphragm and internally springless and threadless design. Ideal for use in OEM tools, gas boxes and low pressure gas cabinets.

345

64-2600 Series

Economical, ultra high purity pressure reducing regulator provides Stainless Steel construction with 10 Ra surface finish and is electronic grade cleaned. Ideal for use in 1/4" point-of-use, semiconductor manufacturing, valve manifold boxes and research labs.

369

64-5400 Series

Ultra high purity, high flow pressure reducing regulator provides 316 Stainless Steel with Electropolish, 10 Ra surface finish and Hastelloy® diaphragm design. Ideal for use in Bulk Specialty Gas Systems (BSGS), 1/2" point-of-use, tool hook-ups and gas cabinets.

393

74-3800 Series

Ultra high purity, tied diaphragm pressure reducing regulator offers high flow and internally threadless and low internal volume design. Ideal for use in 1/2" point-of-use, gas cabinets, high flow purging systems and semiconductor manufacturing.

405

Products by Industry



OIL & GAS EXPLORATION AND EXTRACTION

PAGE

50-2000 Series

Pressure reducing regulator is specifically designed for extended life operation in high pressure hydraulic applications of up to 15,000 psig / 1035 bar inlet and 10,000 psig / 690 bar outlet. Ideal for use in wellhead control panels, subsea valve actuation, Hydraulic Power Units (HPUs), IWOCs and umbilical reel controls.

217

50-2200 Series

Pressure reducing regulator is specifically designed for extended life operation in high pressure hydraulic applications for pressures above 15,000 psig / 1035 bar and up to 20,000 psig / 1380 bar. Applications include Hydraulic Power Units (HPUs) and IWOCs.

221

54-2000 Series

Pressure reducing regulator with hardened Stainless Steel seat and stem provides excellent wear resistance in harsh applications like wellhead control panels, subsea valve actuations, Hydraulic Power Units (HPUs) and component testing applications.

223

54-2100 Series

Backpressure regulator is suitable for 15,000 psig / 1035 bar liquid applications. Ideal for use in pump discharge pressure control, component testing, burst testing and chemical injection systems.

483

54-2200 Series

High pressure, high flow pressure reducing regulator is excellent for use in hydraulically operated Blowout Preventers (BOP), Hydraulic Power Units (HPUs) and hydraulic component testing.

227

54-2300 Series

High pressure hydraulic backpressure regulator is capable of flows from 5-50 gpm / 19-190 lpm. Available in spring, dome or air load for use with TESCOM's ER3000 Electropneumatic Controller. Ideal for use in hydraulic test stands and pump discharge pressure control.

487



PETROCHEMICAL REFINING & PROCESSING

SG Series

Consisting of SG1, SG2 and SG3 models, these compact, lightweight high purity single-stage and two-stage regulators are designed for specialty and industrial gas flows from 5-200 SCFM / 141-5663 SLPM. Easily select from optional gauges, relief and shut-off valves and cylinder connections. Ideal for process analyzer gases and specialty and industrial gas cylinders.

311

44-2200 Series

Compact, lightweight high purity single-stage regulator for specialty, flammable, and industrial gas flows of less than 5 SCFM / 141 SLPM. Ideal for use in laboratory and point-of-use gas systems, sampling systems, zero, span and calibration analyzer gases.

157

44-3400 Series

Compact, lightweight high purity two-stage cylinder regulator for specialty, corrosive, and pyrophoric gases of 3 SCFM / 85 SLPM. Ideal for use in high pressure gas cylinders for specialty and industrial gases.

181

44-5800 Series

Vaporizing pressure reducing regulator offers a high tolerance to voltage spikes and high ambient temperatures. Ideal for use in liquid petroleum analyzers, petrochemical/refinery analyzers and sampling systems. Available in steam, electric and electric with LCD display.

209

ACS012 Series (Changeover Regulator Systems)

Compact, lightweight high purity changeover system for specialty, corrosive, and pyrophoric gases. Provides continuous low flow of gas from two pressure sources. Ideal for use in analyzer carrier and calibration gases and laser resonator gas applications.

551

NA-4 Changeover System

Complete system designed to ensure a continuous supply of carrier and calibration gases with no interruption due to supply depletion or change out. Options include remote mount annunciator, check valves and various CGA options.

571

OXYGEN SOLUTIONS - Regulators and valves that are designed and tested for oxygen service can be found on our website under [Your Industry](#)



WARNING! Do not attempt to select, install, use or maintain this product until you have read and fully understood the *TESCOM Safety, Installation and Operation Precautions*.