



Tescom High Pressure Oil & Gas Regulators

Specifically Designed for Deeper Sub-Sea Oil & Gas Reserves



dbroc1731xen2_oil

Tescom continually develops products to meet the increasing demands of the Oil & Gas industry

Tescom want to be your partner in advancing offshore oil and gas technology and are firmly established as the World leader in pressure regulation, forging close associations with customers and achieving preferred supplier status with many major oil and gas conglomerates. Our reputation for reliability has been established through decades of successful service in the oil and gas production industry. Tescom has played a major role in meeting the technical challenges of the industry with our products being used extensively in instrumentation, sensor, analytical and wellhead pressure control systems. As an established supplier we have gained considerable experience and reputation for the quality and longevity of our products. Our product line includes both pressure reducing and back pressure regulators along with numerous high pressure shut-off valves. The rigorous nature of these applications requires a robust design in order to ensure reliability and long service life. The performance quality and reliability of Tescom products in addition to the local support provided by our highly qualified sales team continues to ensure that we remain the World's number one pressure control equipment manufacturer.



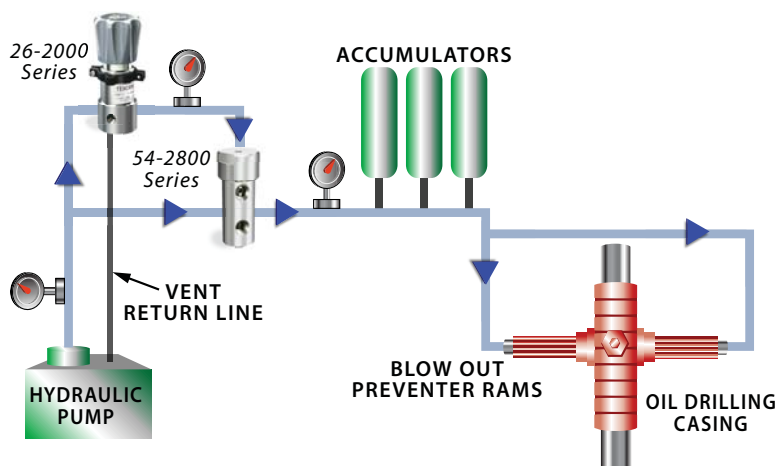
54-2000 Series

Deeper Reserves require Higher Pressures

A continuing process of product development is a major part of the Tescom philosophy. The development of subsea oil reserves in the 1960's required the design of new wellhead control systems using hydraulics to perform remote operations. From the deck of a platform, a control engineer can open and close a sub-sea valve at the throw of a switch. Hydraulic pressures up to 10,000 psig (690 barg) are called for and regulation is an important part of that pressure control process. Recent development of deeper reserves near the edges of continental shelves means oil reserves are at even higher pressures and Tescom has now developed and supplied hydraulic regulators for pressures up to 20,000 psig (1380 barg) and 30,000 psig (2069 barg). The Tescom 54-2000, 54-2200, 54-2800 series pressure reducing regulators and corresponding 54-2100, 54-2300, 54-2700 series back pressure regulators provide a broad range of models for high duty, high pressure hydraulic pressure control.

Special Water Glycol Regulators have been developed to prolong service life

Blow Out Preventer Off Shore Oil Production

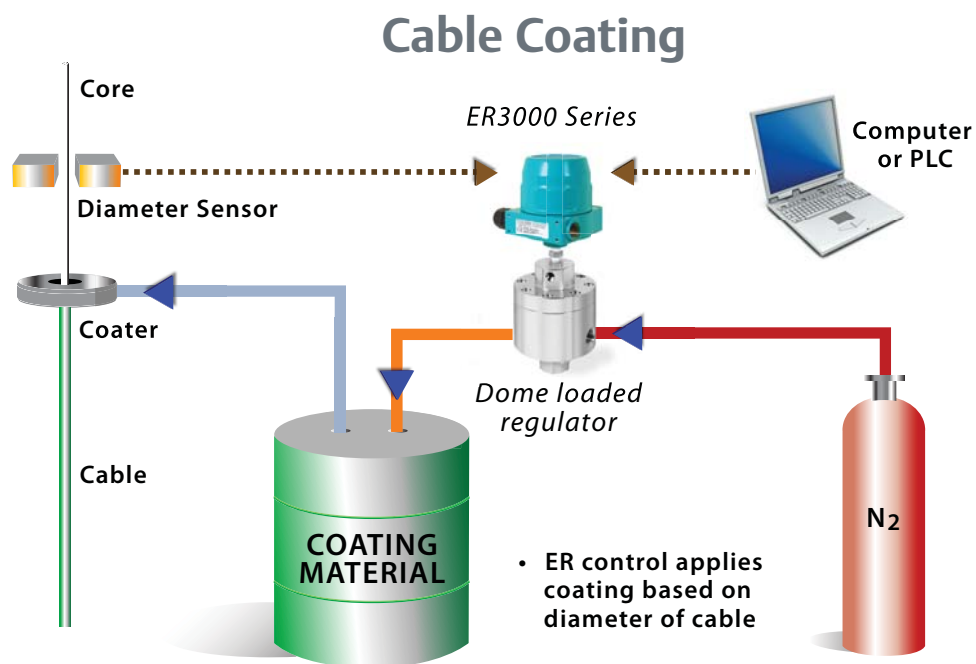


Tescom has also developed the 26-2000 series pressure regulator specifically for water glycol service where dynamic o-rings can be damaged due to lack of lubrication. By utilising specially designed energised roto seals we can dramatically prolong the service life compared to standard designs. Please contact us for further information on how our water glycol regulators can be used to upgrade existing systems.

ER3000 – Electropneumatic PID control

Did you know Tescom's ER3000 electronic pressure regulator is used to control more than just pressure?

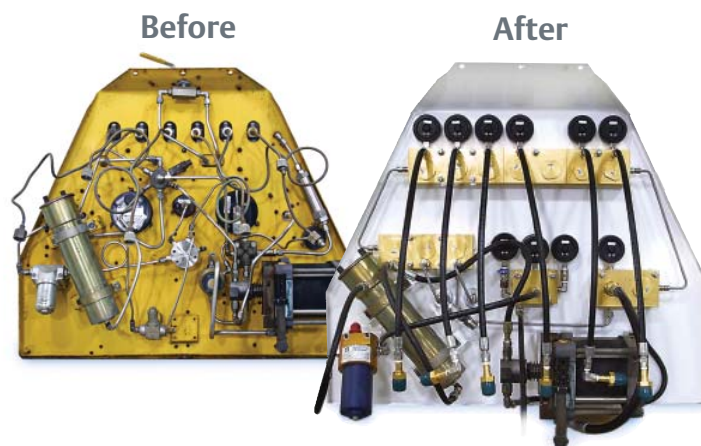
The ER3000 can be combined with a wide range of our pressure regulators to automate and control any number of different processes. Unlimited applications exist by simply measuring the process variable and providing a 4-20mA (1-5 Vdc) feedback signal to the controller. As well as pressure, the ER3000 has been used to control flow, temperature, position, torque etc. The illustration below shows the system designed to enable a Tescom customer to very accurately control the thickness of cable coating based on the measurement of the diameter of the cable core. In this application fine tuning of the PID variables allowed the customer to achieve an accuracy of 0.1% of the sensor range.



Manifolds

Have you ever thought about the benefits of using manifolds?

Tescom has a wealth of experience in providing custom designed manifolds and the associated cartridge-mount components. Manifolds are by design very compact, cut down on complex pipework and significantly reduce the number of potential leak paths. They are simple to assemble and are extremely easy to maintain.



Please feel free to contact us for further information on how our pressure control solutions can help to reduce downtime and improve the efficiency of your fluid supply systems.



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