In an industry where Health, Safety, the Staff and the environment are very important focus points, heavy duty hydraulic regulators must perform when they are required to perform. GCE druva supplies an extensive range of hydraulic pressure reducing regulators and an excellent service to ensure this required performance is always available.

- Focus on Health, Safety, Staff and Environment
- WATER GLYCOL and Mineral Oil applications
- Standard 20,000 PSI inlet, 10,000 PSI outlet
- Broad choice of Cv values, materials, O-ring, seals
- NACE & 3.1B Material Certificate
- Subsea solution available
- Customized service solutions
Gas Supply System Range

Diaphragm sensed High Purity and Ultra High Purity gas pressure regulators, Point of Use Regulators, changeover systems, valves and monitoring software
- Brass and 316 SST
- Pressures up to 300 bar
- Back pressure regulator option
- UHP range – Flow up to 420m³/h
- HP range – Flow up to 200m³/h

High Pressure range

Piston sensed regulators
For both liquid and gas applications
- Pressure range up to 1380 bar (20,000 PSI)
- Cv 0.03 – 2.0
- Port sizes ¼” – ¾”
- Ratio and dome loaded
- Special designs for subsea & CNG

High flow Range

Diaphragm & Piston sensed regulators
For both liquid and gas applications
- Diaphragm sensed pressure range up to 10 bar (150PSI)
- Piston sensed pressure range up to 210 bar (3000PSI)
- Cv 4.0 – 30.0
- Port sizes 1/2” – 3”
- Spring and dome loaded
- Balanced main valve for standard high pressure option
- Unbalanced main valve for standard low pressure option

Back Pressure Range

Piston sensed regulators
For both liquid and gas applications
- Pressure range from 0.1bar (2PSI) to 690bar (10,000 PSI)
- Cv 0.1 – 2.0
- Port sizes 1/8” – 2”
- Dome loaded

Subsea range

Special design of high pressure regulator range. Designed to operate at depths up to 3000m (10,000FT)
Piston sensed regulators
For both liquid and gas applications
- Pressure range up to 1380 bar (20,000 PSI)
- Cv 0.03 – 2.0
- Port sizes ¼” – ¾”
- Dome loaded

Manifolds

Special design manifold blocks to fit each application
Can be fully customized to fit any application
Blocks are made out of stainless steel

Diving Range

Diaphragm sensed High Purity gas pressure regulators, changeover systems and valves
- Brass
- Pressures up to 414 bar
- Conform to the requirements of ASTM G93 to cleanliness Level C for non-volatile residues of hydrocarbons

Flow Control Valves

Specially designed for chemical injection systems
A biased back pressure regulator with an adjustable orifice creates a constant flow and pressure.
- All 316 SST wetted parts
- Special feature: a self-cleaning filter assembly
GCE DRUVA OFFERS AN EXTENSIVE RANGE OF HEAVY-DUTY HIGH-ENDURANCE & ROBUST HYDRAULIC PRESSURE REDUCING REGULATORS.

The one thing you must be able to rely on is that your systems function optimally under each condition over and over again. The pressure regulator is a critical component that requires an organization not only supplying the best instrumentation. GCE druva works with its customers to ensure top of class service and support.

WATER GLYCOL

When Water Glycol (WG) is used as the control liquid, the choice of internal components is very critical. O-ring material, seals, metal hardness, and seat material are crucial for a successful long-term life cycle. GCE druva has the product range and the experience to choose the right solution for the application, also for different pressure ranges.
Typical applications are:

- Hydraulic Power Unit (HPU)
- Wellhead Control Panel
- SC-SSV – Surface Controlled Subsurface Safety Valve
- Blowout Preventer
- Accumulators
- Umbilical Reels
- IWOCS – Intervention Work Over Control System
- Hydraulic Seals / Seal protection – Injection & Production Lines (FPSO)
- Valve Automation Systems, Choke Control, ESD Systems, and Actuators
- Test & Calibration Systems
- ROV Control
- Fuel & Lubrication Systems

GCE DRUVA has an experienced application engineering team ready to support each customer. 3D CAD drawings for your system design can be supplied upon request.
WHEN INJECTING CHEMICALS INTO WELLS OR FOR DRILLING OPERATIONS, BOTH OVER-PRESSURIZATION AND UNDER-PRESSURIZATION CAN HAVE SERIOUS CONSEQUENCES.

Chemicals are injected to protect the infra structure, to assure the flow and in case of drilling to film the inside of the wellbore. The chemicals used depend on the purpose. The choice of regulator internals depend on pressure, flow, and of course the composition of the chemicals itself.

The customer suffers most when the chemicals are not properly injected. The Pressure regulator plays a very important role minimizing the risk of over or under pressurization. GCE druva offers pressure reducing regulators, back pressure regulators (small flow, large flow) and flow control valves to ensure the best solution fitting your application.
WITH A GROWING DEMAND FOR IMPROVED SPEED OF RESPONSE AND CLOSER TO THE WELL CONTROL, GCE DRUVA OFFERS A RANGE OF SUBSEA PRESSURE REDUCING REGULATORS. THESE ARE TESTED TO BE USED IN UP TO 10,000 FEET OF WATER.

A Pressure Reducing Regulator used on the ocean's bed at 3000 meters depth is not something you see every day. GCE druva is there to support you to make it an every-day sight. The same type of applications that apply topside, apply subsea.
HIGH-END HEAVY DUTY SYSTEMS REQUIRE THE BEST TESTING THERE IS. ONLY BY CALIBRATING EQUIPMENT, TESTING ITS PERFORMANCE, AND BY THE USE OF PILOT SETUPS ONE CAN SAY THE RIGHT QUALITY IS IN USE.
ALSO IN MIDSTREAM AND DOWNSTREAM OIL AND GAS, HYDRAULIC & PNEUMATIC CONTROL REGULATORS, GAS CHANGEOVER SYSTEMS AND INLINE GAS REGULATORS ARE A COMMON NEED.
GCE DRAVA IS YOUR PARTNER IN ALL NEEDS TO REGULATE PRESSURE!

Here you only want to use the best instruments available!

We offer NACE & 3.1B material certificate for our products.
GCE DRUVA IS A SYNONYM FOR QUALITY, USER-FRIENDLINESS, AND CUSTOMER SERVICE. THE COMPANY NOW EXISTS FOR 50 YEARS AND HAS GAINED ITS PLACE AS A MARKET LEADER IN THE GAS SUPPLY SYSTEMS INDUSTRY.

The right range to control and actuate your valves

Typical applications are:
- Valve automation System (VAS)
- Emergency Shut-Down (ESD) / HIPPS
- Choke Panels
- Surface Controlled-Subsurface Safety Valve (SC-SSV)
- Pressurized Seals

The right range for oxygen applications in diving & life support

Typical applications are:
- Air pressure control in diving chambers, open diving bells, and for hard helmet applications
- Pressure control runs for compression and decompression
- BIBS mechanical failure protection
- Eliminate oxygen buildup or contamination of the chamber
- Gas mixing and cylinder filling applications

The right range for laboratory furniture, fume hoods, and for air control

Typical applications are:
- Cylinder changeover panels – main gas supply & distribution
- Point Of Use regulators & valves
- Air control measurement – ppm & combustion control
- Air & air quality control – HVAC, chillers, and heat exchangers
- NGL stabilizers
- Sample takers – cement analyzers, wobbe index, etc.
The right range for equipment calibration, testing, and pilot setups

Typical applications are:
- Instrumentation & system test setups
- Calibration units
- Pilot setups to test facility optimization

The right range for nitrogen applications

Typical applications are:
- Gas cap immiscible oil displacement
- Enhanced Oil Recovery (EOR)
- Inerting of lines & systems
- Recovery of NGLs
- Pushing CO2 miscible fronts
- Fracking
- Coil tubing
- Natural Gas Upgrading / Wobbe Index modifications;
GCE HAS 4 MAIN BUSINESS AREAS:

Central Gas Systems – A complete range of High Purity and Ultra High Purity Central Gas Systems & Accessories for industrial, Laboratory and Medical use. As well as an extensive range of liquid inline regulators and control valves.

Cutting & Welding Technologies – gas based system: torches, masks, regulators, cylinders, and flame arrestors.

Cylinder Valves – GCE offers a huge product range of high-quality application specific heavy-duty cylinder valves and connections.

Healthcare – Medical gas supply systems for both pre-hospital and in-hospital use.
GCE Group is one of the world’s leading companies in the field of gas control equipment. The headquarters are in Malmö, Sweden, and the two major supply units are located in Europe and Asia. The company operates 18 subsidiaries around the world and employs more than 900 people. GCE Group includes four business areas – Cutting & Welding technologies, Valves, Healthcare and Druva. Today’s product portfolio corresponds to a large variety of applications, from single pressure regulators and blowpipes for cutting and welding to sophisticated gas supply systems for medical and electronics industry applications.

It is our belief that when we:

• Focus on delivering best of class products & accessories;
• Focus on being there for our customers when you need technical or other support;
• Support you in local language when needed;
• Educate you on end-customer requirements and gas supply systems;
• Continue to improve ourselves to follow the continuously changing needs…

we can be a good partner for you!

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