CENTRAL GAS SUPPLY
FOR GAS PURITY UP TO 6.0

DRUVA®PUR PRODUCT OVERVIEW

Efficient. Flexible. Safe.

GCE druva®

CENTRAL GAS SUPPLY

Product overview

Proper handling of hazardous high-purity gases requires gas control equipment of the highest quality, workmanship and design.

Based on many years of experience in this field, we are your competent partner for the development and construction of gas supply systems in laboratories and technical schools. We are also able to assist you with the design and construction of central or decentralized facilities for the storage, supply and drainage of gas cylinders. We also realise and design customised solutions for your application to meet your personal requests.

MANIFOLDS

Single source

For your Central Gas Supply
With different purging gas options

Manual change over

For the compact installation inside or outside of gas cylinder cabinets
For two or more gas cylinders

CYLINDER REGULATORS

Single source

For your gas cylinder
Wide range of cylinder connections according to international standards

POINT-OF-USE REGULATORS

Single stage

For your laboratory application
Available as plate or wall mounted version

VALVES

For the shut-off or regulation of your gas supply
Available as 2-Port or 4-Port version

DRUVA®PUR MANIFOLDS

Single source

Manifold used in gas supply systems for hazardous gases.
The stainless steel version can also be used in gas supply sytems for corrosive and / or toxic gases.
Maximum gas purity is 6.0.
This manifold allows only a discontinous gas supply, every change of an empty bottle interrups the gas flow.

MODULAR
FAST DELIVERY

100% ISO
COMPLIANT

EASY
INSTALLATION

Single stage

MPLH0XSSSU

MSLH0XSESS

Dual stage

MPLH0XDSSU

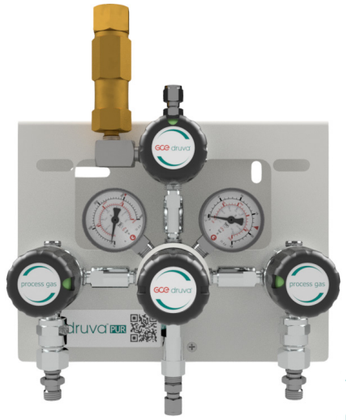
MSLH0XDESS

TECHNICAL FEATURES	OPTIONS	
Maximum gas purity up to 6.0.		
Nominal Flow Rate	20 m^3/h	
Materials	Brass chrome plated	Stainless Steel
Versions	Single Stage	Dual Stage
Pressure Ranges	**Inlet pressure range (bar)**	**Delivery pressure range (bar)**
	300	200, 100, 50, 28, 14, 10, 6, 3
	200	200, 100, 50, 28, 14, 10, 6, 3
	60	50, 28, 14, 10, 6, 3
Purging system	Process gas purging system	External gas purging system (Stainless Steel only)
Specials	Check valve in high pressure side	Safety relief valve in delivery pressure side

DRUVA®PUR MANIFOLDS

Manual change over

Manifold used in gas supply systems for hazardous gases.
The stainless steel version can also be used in gas supply sytems for corrosive and / or toxic gases.
Maximum gas purity is 6.0.
Manifolds with manual change over for continuous gas supply.
Switching between empty and full gas cylinder by manual valve actuation



MODULAR FAST DELIVERY

100% ISO COMPLIANT

EASY INSTALLATION

Single stage

MPLH0MSPSU

MPLH0MSSSU

Dual stage

MPLH0MDPSU

MSLH0MDSSU

TECHNICAL FEATURES	OPTIONS	
Maximum gas purity up to 6.0.		
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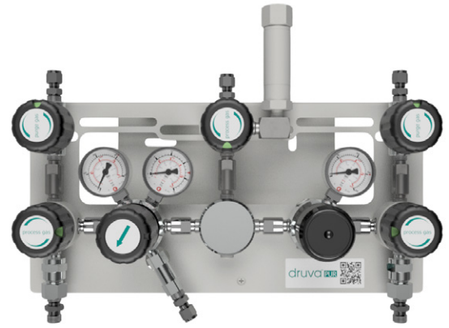
	200	200, 100, 50, 28, 14, 10, 6, 3
	60	50, 28, 14, 10, 6, 3
Purging system	Process gas purging system	External gas purging system (Stainless Steel only)
Specials	Check valve in high pressure side	Safety relief valve in delivery pressure side

DRUVA®PUR MANIFOLDS

Semi-Automatic change over system

Manifold used in gas supply systems for hazardous gases.
The stainless steel version can also be used in gas supply sytems for corrosive and / or toxic gases.
Maximum gas purity is 6.0.
Manifolds with semi-automatic change over for continuous gas supply.
Changing an empty gas cylinder by semi-automatic switch over.



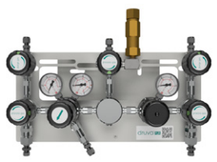
MODULAR FAST DELIVERY

100% ISO COMPLIANT

EASY INSTALLATION

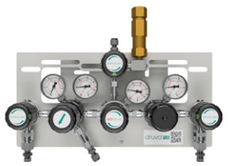
Single stage

MPLH0SSSSU

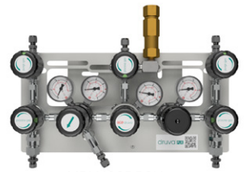


MPLH0SSPSU

Dual stage



MPLH0SDSSU



MPLH0SDPSU

TECHNICAL FEATURES	OPTIONS	
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Nominal Flow Rate	20 m^3/h	
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	60	50, 28, 14, 10, 6, 3
Purging system	Process gas purging system	External gas purging system (Stainless Steel only)
Specials	Check valve in high pressure side	Safety relief valve in delivery pressure side

DRUVA®PUR CYLINDER REGULATORS

Our cylinder regulators are used in combination with pressure gas cylinders for pure, inert, flammable, oxidizing, toxic and corrosive gases and gas mixtures. Maximum gas purity is 6.0.

STAINLESS STEEL ONLY
- HP triple purge block
- HP triple purge block + LP shut-off valve
- Triple purge block + LP regulating valve

BRASS CHROME PLATED + STAINLESS STEEL
- Standard version
- LP shut-off valve
- LP regulating valve
- HP purge valve
- HP purge valve + LP shut-off valve
- HP purge valve + LP regulating valve

MODULAR FAST DELIVERY

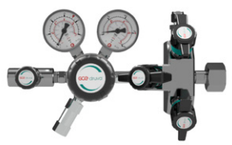
100% ISO COMPLIANT

EASY INSTALLATION

Standard version

HP purge valve

HP triple purge block



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Maximum gas purity up to 6.0.		
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Versions	Single Stage	Dual Stage
Pressure Ranges	**Inlet pressure range (bar)**	**Delivery pressure range (bar)**
	300	200, 100, 50, 28, 14, 10, 6, 3
	200	200, 100, 50, 28, 14, 10, 6, 3
	60	50, 28, 14, 10, 6, 3
	50	14, 10, 6, 3, 2, 1
	12	2, 1

DRUVA®PUR LINE REGULATORS

High, low and absolute pressure

Our line regulators are used in gas supply systems for pure, inert, flammable, oxidizing, toxic and corrosive gases and gas mixtures. Maximum gas purity is 6.0.
According to the best of our knowledge, we assure that our new series fully meets all requirements of main international standards like ISO 7291.

Available as:
- **High Pressure Regulator** (H0)
- **Low Pressure Regulator** (LV)
- **Absolute Pressure Regulator** (AV)

MODULAR FAST DELIVERY

100% ISO COMPLIANT

EASY INSTALLATION

Single stage + 4-ports

Single stage + 6-ports

Dual stage + 6-ports

TECHNICAL FEATURES	OPTIONS	
Maximum gas purity up to 6.0.		
Materials	Brass chrome plated	Stainless Steel
Versions	Single Stage	Dual Stage
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	60	50, 28, 14, 10, 6, 3
	50	14, 10, 6, 3, 2, 1
	12	2, 1

LINE PRESSURE REGULATOR SERIES 545

LMD 545-01/-03
Single-stage
Brass or stainless steel
Inlet pressure: 40 / 12 bar - 580 / 175 psi
Outlet pressure:
0.25 / 1.3 bar – 3 / 19 psi
40 bar Type: 0.5 / 3.0 bar - 7 /45 psi

LMD 545-01
4-Port-Type

LMD 545-03
6-Port-Type

POINT-OF-USE REGULATORS SERIES 500

EMD 500-06
Single-stage
Brass or stainless steel
Inlet pressure: 40 bar / 600 psi
Outlet pressure:
0.2 – 1 / 0.2 – 6 / 0.5 – 10.5 bar
3 – 22 / 3 – 85 / 7 – 150 psi

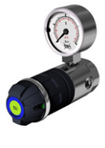
EMD 510-06
Single-stage
Brass or stainless steel
Inlet pressure: 12 bar /175 psi
Outlet pressure:
0.2 – 2 / 0.2 – 3 bar abs.
3 – 30 / 3 – 45 psi abs.

Outlet pressures:
12 bar version
20 – 250 mbar 0.3 – 3.6 psi
100 – 1300 mbar 1.4 – 18.8 psi

40 bar version
0.15 – 0.5 bar 2.1 – 7.2 psi
0.15 – 3 bar 2.1 – 44 psi

LABORATORY GAS SUPPLY FOR LABRATORY FURNITURE AND FUME HOODS

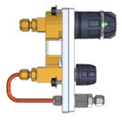
Point-of-use regulators EMD 3100
Single-stage
Brass or stainless steel
Inlet pressure: 40 bar / 600 psi
Outlet pressure:
0.2 – 1.5 / 0.2 – 4 / 0.5 – 6 / 0.5 – 10.5 bar
3 – 22 / 3 – 60 / 7 – 87 / 7 – 150 psi
Analysis Version:
Inlet pressure: 10 bar / 145 psi
Outlet pressure: 2.2/4.4 bar – 33/66 psi



Basic body

Plate mounted

Wall mounted

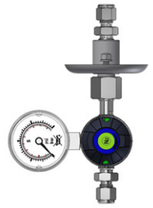


Build-in

► **100% HELIUM LEAK TESTING**

GCE CENTRAL GAS SYSTEMS

Bench mounted



Hanging version

Point of Use regulator EMD 400
Inset and wall mounted versions

DRUVA®PUR LINE VALVES

Our valves are used in gas supply systems for pure, inert, flammable, oxidizing, toxic and corrosive gases and gas mixtures. Maximum gas purity is 6.0.

MODULAR
FAST DELIVERY

100% ISO
COMPLIANT

EASY
INSTALLATION

Avalilable as:

Diaphragm shut-off (DS)

- Max. 300 bar
- 2-Port, 4-Port, 4-Port 1xIN

Diaphragm regulating (DR)

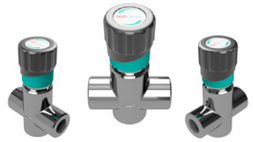
- 50 bar
- 2-Port

Diaphragm combi (DC)

- 50 bar
- 2-Port

TECHNICAL FEATURES	OPTIONS	
Maximum gas purity up to 6.0.		
Materials	Brass chrome plated	Stainless Steel
Ports	2-port	4-port

Diaphragm combi + 2-ports



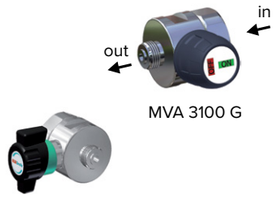
Shut-off + 4-ports

Shut-off + 2-ports

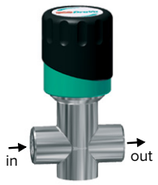
VALVE OVERVIEW

Diaphragm shut-off valve
VPMA
Model: In-line
Max. working pressure: 40 bar / 580 psi
Material: Brass
Model: Straight 2-Port
Inlet: NPT ½“f
Outlet: NPT ½“f

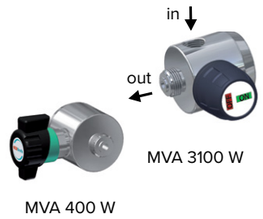
Diaphragm shut-off valve
MVA 400 G / MVA 3100 G
Model: Straight
Material: Brass chrome-plated / Stainless steel
Max. working pressure: 40 bar / 580 psi
Nominal width: DN5
Inlet: G3/8“f
Outlet: G3/8“m



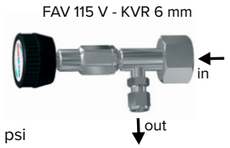
Diaphragm shut-off valve
MVA 501 G
Model: In-line
Material: Brass / Brass chrome-plated / Stainless steel
Max. working pressure: 40 bar / 580 psi
Nominal width: DN8
Inlet: NPT 1/4"f or G3/8"f
Outlet: NPT 1/4"f or G3/8"f

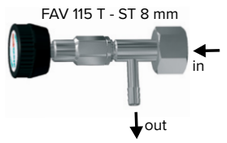


Diaphragm shut-off valve
MVA 400 W / MVA 3100 W
Model: Elbow design
Material: Brass chrome-plated / Stainless steel
Max. working pressure: 40 bar / 580 psi
Nominal width: DN5
Inlet: G1/4"f
Outlet: G3/8”m

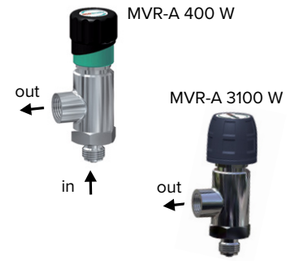


Packed regulating valve
FAV 115
Model: Elbow design
Material: Stainless steel
Max. working pressure: 230 bar /2900 psi
Nominal width: DN2
Inlet: Cylinder connector DIN 477
Outlet: Tube fitting 6 mm
or hose nozzel 8 mm

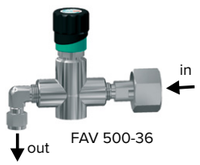




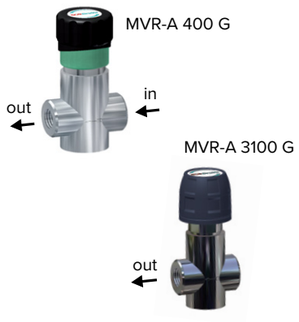
Diaphragm regulating valve
MVR-A 400 W / MVR-A 3100 W
Model: Elbow design
Material: Brass chrome-plated / Stainless steel
Max. working pressure: 40 bar / 580 psi
Nominal width: DN2
Inlet: G1/4“m
Outlet: G1/4“f



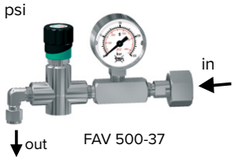
Cylinder connection valve
FAV 500-36
Model: Elbow design
Material: Brass chrome-plated / Stainless steel
Max. working pressure: 50 bar / 725 psi
Nominal width: DN2



Diaphragm regulating valve
MVR-A 400 G / MVR-A 3100 G
Model: Straight
Material: Brass chrome-plated / Stainless steel
Max. working pressure: 40 bar / 580 psi
Nominal width: DN2
Inlet: G1/4”f
Outlet: G1/4”f



Cylinder connection valve
FAV 500-37 with gauge
Model: Elbow design
Material: Brass chrome-plated /Stainless steel
Max. working pressure: 50 bar / 725 psi
Nominal width: DN2
Inlet: Cylinder connector DIN 477
Outlet: Tube fitting 6 mm



GCE CENTRAL GAS SYSTEMS

WHAT ARE THE ADVANTAGES OF THE NEW DRUVA®PUR SERIES?

A consistent compliance with current international standards

- Type test of our brass pressure regulators in accordance with ISO 7291 including the corresponding O2 ignition test
- Type test of our stainless-steel pressure regulators for manifolds in accordance with ISO 7291. The corresponding O2 ignition test will soon be carried out.
- Type test of our brass shut-off valves in accordance with ISO 10297 including the corresponding O2 ignition test for main shut-off valves.
- Type test of our stainless-steel shut-off valves in accordance with ISO 10297. The corresponding O2 ignition test will soon be carried out.
- Electrostatic chargeability test of plastic parts according to EN 13463-1

Special design for optimal control characteristics and long life cycle of out regulators

- Spring damping system
- Encapsulated valve design of our pressure regulators

Easy fix, 2-piece installation plate

- Separate mounting of ground plate (Without weight of the manifold)
- Easy mounting of manifold to ground plate and fixing with one screw only
- Replacement of pressure gauges without dismantling of the entire manifold
- Grounding screw on the plates
- Spring hook on our plates for cylinder connection hoses

DRUVA®PUR - WHAT WE OFFER

- Focus on quality, durability, ease of use & safety
- High end materials 316L, Hastelloy, Elgiloy
- Specially cleaned and assembled pressure gauges (ECD quality)
- Single source supply–concept, system design, products, installation, after sales service
- Highly experienced application specialists for best of class support
- Complete & fully certified product portfolio
- For inert, reactive, flammable, oxidizing gases and gas mixtures, purity max 6.0
- Design & manufacturing in Europe

NEW PRODUCT CONFIGURATOR

Just a few clicks to configure your product!

https://configurator.druva.de/

DRUVA®PUR Product Overview

REGIONAL OFFICES

EUROPE

CZECH REPUBLIC
FRANCE
GERMANY
HUNGARY
ITALY
POLAND
PORTUGAL
ROMANIA
SPAIN
SWEDEN
UNITED KINGDOM & IRELAND

AMERICA

LATIN AMERICA
MEXICO
USA

ASIA

CHINA
INDIA
RUSSIA
MIDDLE EAST

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Art. 735100001351. Edition 1/2020. Alterations are subject to change without notice. 230320kp © GCE 2020