

GCE CENTRAL GAS SYSTEMS

DRUVA PUR PRODUCT OVERVIEW



- › Focus on Health, Safety, Staff, and Environment
- › Maintain gas purity
- › Endurance under safe user conditions
- › Flexible in design – look & feel
- › Gas Purity maximum 6.0

Efficient. Flexible. Safe.

GCE druva®

PRESSURE REGULATORS OVERVIEW

CYLINDER PRESSURE REGULATORS 500 OVERVIEW

Outlet: tube fitting



Outlet: shut-off valve



Outlet: regulating valve



With inert gas purging
Stainless steel



Type -27 with shut-off valve at
outlet Type -26 without

SINGLE-STAGE - 230 BAR

FMD 500-14

Inlet pressure: 230 bar / 3300 psi
Outlet pressure:
6, 14, 28, 50, 200 bar
85, 200, 400, 720, 2900 psi

FMD 500-16

Inlet pressure: 230 bar / 3300 psi
Outlet pressure:
6, 14, 28, 50, 200 bar
85, 200, 400, 720, 2900 psi

FMD 500-18

Inlet pressure: 230 bar / 3300 psi
Outlet pressure: 6, 14, 28, 50 bar
85, 200, 400, 720 psi

FMD 500-26/-27

Inlet pressure: 230 bar / 3300 psi
Outlet pressure: 6, 14, 28, 50, 200 bar
85, 200, 400, 720, 2900 psi

FMD 510-14

Inlet pressure: 12 bar / 175 psi
Outlet pressure: 0.2 – 3 bar abs
3 – 45 psi abs

FMD 510-16

Inlet pressure: 12 bar / 175 psi
Outlet pressure: 0.2 – 3 bar abs
3 – 45 psi abs

FMD 510-18

Inlet pressure: 12 bar / 175 psi
Outlet pressure: 0.2 – 3 bar abs
3 – 45 psi abs

FMD 510-26/-27

Inlet pressure: 12 bar / 175 psi
Outlet pressure: 0.2 – 3 bar abs
3 – 45 psi abs

FMD 540-14

Inlet pressure: 12 bar / 175 psi
Outlet pressure: 0.2 – 2 bar
3 – 30 psi

FMD 540-16

Inlet pressure: 12 bar / 175 psi
Outlet pressure: 0.2 – 2 bar
3 – 30 psi

FMD 540-18

Inlet pressure: 12 bar / 175 psi
Outlet pressure: 0.2 – 2 bar
3 – 30 psi

FMD 540-26/-27

Inlet pressure: 12 bar / 175 psi
Outlet pressure: 0.2 – 2 bar
3 – 30 psi

DUAL-STAGE - 220 BAR

FMD 502-14

Inlet pressure: 230 bar / 3300 psi
Outlet pressure: 3, 6, 10.5 bar
45, 85, 150 psi

FMD 502-16

Inlet pressure: 230 bar / 3300 psi
Outlet pressure: 3, 6, 10.5 bar
45, 85, 150 psi

FMD 502-18

Inlet pressure: 230 bar / 3300 psi
Outlet pressure: 3, 6, 10.5 bar
45, 85, 150 psi

FMD 502-26/-27

Inlet pressure: 230 bar / 3300 psi
Outlet pressure: 3, 6, 10.5 bar
45, 85, 150 psi

FMD 522-14

Inlet pressure: 230 bar / 3300 psi
Outlet pressure: 0.2 – 3 bar abs
3 – 45 psi abs

FMD 522-16

Inlet pressure: 230 bar / 3300 psi
Outlet pressure: 0.2 – 3 bar abs
3 – 45 psi abs

FMD 522-18

Inlet pressure: 230 bar / 3300 psi
Outlet pressure: 0.2 – 3 bar abs
3 – 45 psi abs

FMD 522/-27

Inlet pressure: 230 bar / 3300 psi
Outlet pressure: 0.2 to 3 bar abs
3 – 45 psi abs

FMD 562-14

Inlet pressure: 230 bar / 3300 psi
Outlet pressure: 0.2 – 2 bar
3 – 30 psi

FMD 562-16

Inlet pressure: 230 bar / 3300 psi
Outlet pressure: 0.2 – 2 bar
3 – 30 psi

FMD 562-18

Inlet pressure: 230 bar / 3300 psi
Outlet pressure: 0.2 – 2 bar
3 – 30 psi

FMD 562/-27

Inlet pressure: 230 bar / 3300 psi
Outlet pressure: 0.2 – 2 bar
3 – 30 psi

SINGLE-STAGE - 300 BAR

FMD 530-14

Inlet pressure: 300 bar / 4350 psi
Outlet press.: 6, 14, 28, 50, 200 bar
85, 200, 400, 720, 2900 psi

FMD 530-16

Inlet pressure: 300 bar / 4350 psi
Outlet pressure: 6, 14, 28, 50 bar
85, 200, 400, 720 psi

FMD 530-18

Inlet pressure: 300 bar / 4350 psi
Outlet pressure: 6, 14, 28, 50 bar
85, 200, 400, 720 psi

FMD 530-26/-27

Inlet pressure: 300 bar / 4350 psi
Outlet pressure: 6, 14, 28, 50 bar
85, 200, 400, 720 psi

DUAL-STAGE - 300 BAR

FMD 532-14

Inlet pressure: 300 bar / 4350 psi
Outlet pressure: 3, 6, 10.5 bar
45, 85, 150 psi

FMD 532-16

Inlet pressure: 300 bar / 4500 psi
Outlet pressure: 3, 6, 10.5 bar
45, 85, 150 psi

FMD 532-18

Inlet pressure: 300 bar / 4350 psi
Outlet pressure: 3, 6, 10.5 bar
45, 85, 150 psi

FMD 532-26/-27

Inlet pressure: 300 bar / 4350 psi
Outlet pressure: 3, 6, 10.5 bar
45, 85, 150 psi

GAS SUPPLY MANIFOLDS

SMD 500/530-16

Single-stage

Brass or stainless steel

Inlet pressure: 230 /300 bar

3300/4350 psi

Outlet pressure: 14, 28, 50, 200 bar

/ 200, 400, 720, 2900 psi



SMD 502/532-16

Dual-stage

Brass or stainless steel

Inlet pressure: 230 /300 bar

3300/4350 psi

Outlet pressure: 3, 6, 10.5 bar

/ 45, 85, 150 psi



SMD 500/530-24

Single-stage

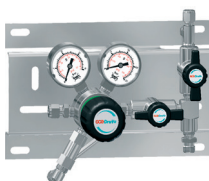
Brass or stainless steel

Inlet pressure: 230 /300 bar

3300/4350 psi

Outlet pressure: 14, 28, 50, 200 bar

/ 200, 400, 720, 2900 psi



SMD 500/530-25

Single-stage

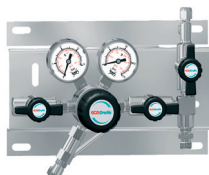
Brass or stainless steel

Inlet pressure: 230 /300 bar

3300/4350 psi

Outlet pressure: 14, 28, 50, 200 bar

/ 200, 400, 720, 2900 psi



SMD 500/530-27

Single-stage, with inert gas purging

Stainless steel

Inlet pressure: 230 /300 bar

3300/4350 psi

Outlet pressure: 14, 28, 50, 200 bar

/ 200, 400, 720, 2900 psi



SMD 502/532-24

Dual-stage

Brass or stainless steel

Inlet pressure: 230 /300 bar

3300/4350 psi

Outlet pressure: 3, 6, 10.5 bar

/ 45, 85, 150 psi



SMD 502/532-27

Dual-stage, with inert gas purging

Stainless steel

Inlet pressure: 230 /300 bar

3300/4350 psi

Outlet pressure: 3, 6, 10.5 bar

/ 45, 85, 150 psi



BMD 500/530-30

Single-stage, max. 2×4 cylinders

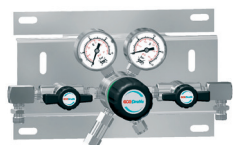
Brass or stainless steel

Inlet pressure: 230 /300 bar

3300/4350 psi

Outlet pressure: 14, 28, 50, 200 bar

/ 200, 400, 725, 2900 psi



BMD 500/530-32

Single-stage, max. 2×4 cylinders

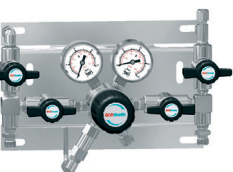
Brass or stainless steel

Inlet pressure: 230 /300 bar

3300/4350 psi

Outlet pressure: 14, 28, 50, 200 bar

/ 200, 400, 720, 2900 psi



BMD 500/530-34

Single-stage, max. 2×5 cylinders

With inert gas purging

Brass or stainless steel

Inlet pressure: 230 /300 bar

3300/4350 psi

Outlet pressure: 14, 50 bar

/ 200, 720 psi



BMD 500/530-35

Single-stage, max 2×5 cylinders

With process gas purging

Brass or stainless steel

Inlet pressure: 230 /300 bar

3300/4350 psi

Outlet pressure: 14, 50 bar

/ 200, 720 psi



BMD 500/530-39

Single-stage, max. 2×5 cylinders

Brass or stainless steel

Inlet pressure: 230 /300 bar

3300/4350 psi

Outlet pressure: 14, 50 bar

/ 200, 720 psi



BMD 502/532-34

Dual-stage, max. 2×5 cylinders

With inert gas purging

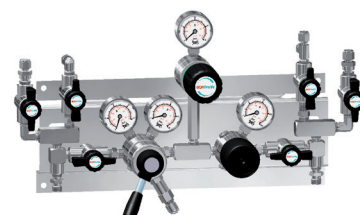
Brass or stainless steel

Inlet pressure: 230 /300 bar

3300/4350 psi

Outlet pressure: 3, 6, 10 bar

/ 45, 85, 145 psi



BMD 502/532-35

Dual-stage, max. 2×5 cylinder

With process gas purging

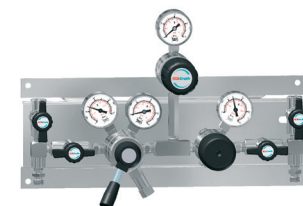
Brass or stainless steel

Inlet pressure: 230 /300 bar

3300/4350 psi

Outlet pressure: 3, 6, 10 bar

/ 45, 85/ 145psi



BMD 502/532-39

Dual-stage, max. 2×5 cylinders

Without purging

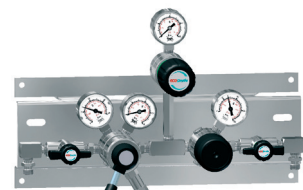
Brass or stainless steel

Inlet pressure: 230 /300 bar

3300/4350 psi

Outlet pressure: 3, 6, 10 bar

/ 45, 85, 145 psi



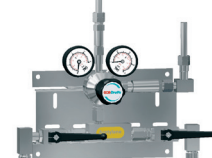
BMD 200-29

Single-stage,

For Acetylene

Brass

Outlet pressure: 1.5 bar / 22 psi



SMD 200-29

Single-stage,

For Acetylene

Brass

Outlet pressure: 1.5 bar / 22 psi



BMD 202-39

dual-stage,

For Acetylene

Brass

Outlet pressure: 1.5 bar / 22 psi



LINE PRESSURE REGULATORS SERIES 500

LMD 500-01/-03

Single-stage

Brass or stainless steel

Inlet pressure: 230 bar / 3300 psi

Outlet pressure:

0.2 – 3 / 0.5 – 6 / 1 – 14 / 2.5 – 50 bar

3 – 45 / 7.5 – 85 / 14 – 200 / 35 – 720 psi

LMD 502-03

Dual-stage

Brass or stainless steel

Inlet pressure: 230 bar / 3300 psi

Outlet pressure:

0.2 – 1 / 0.2 – 3 / 0.5 – 6 / 1 – 10.5 bar

3 – 15 / 3 – 45 / 7.5 – 85 / 14 – 150 psi



Single-stage
Type -01



Dual-stage
Type -03

LMD 510-01/-03

Single-stage

Brass or stainless steel

Inlet pressure: 12 bar / 175 psi

Outlet pressure:

0.2 – 2 / 0.2 – 3 bar abs.

3 – 22 / 3 – 45 psi abs.

LMD 522-03

Dual-stage

Brass or stainless steel

Inlet pressure: 230 bar / 3300 psi

Outlet pressure:

0.2 – 2 / 0.2 – 3 bar abs.

3 – 22 / 3 – 45 psi abs.



Single-stage
Type -03

LMD 530-01/-03

Single-stage

Brass or stainless steel

Inlet pressure: 300 bar / 4350 psi

Outlet pressure:

0.2 – 3 / 0.5 – 6 / 1 – 10.5 bar

3 – 45 / 7.5 – 85 / 14 – 150 psi

LMD 532-03

Dual-stage

Brass or stainless steel

Inlet pressure: 300 bar / 4350 psi

Outlet pressure:

0.2 – 1 / 0.5 – 3 / 0.5 – 6 / 1 – 10.5 bar

3 – 15 / 3 – 45 / 7 – 85 / 15 – 150 psi

LMD 545-01/-03

Single-stage

Brass or stainless steel

Inlet pressure: 40 / 12 bar

- 580 / 175 psi

Outlet pressure: 0.20 / 1.3 bar

- 3 / 19 psi

40 bar Type: 0.5 / 3.0 bar

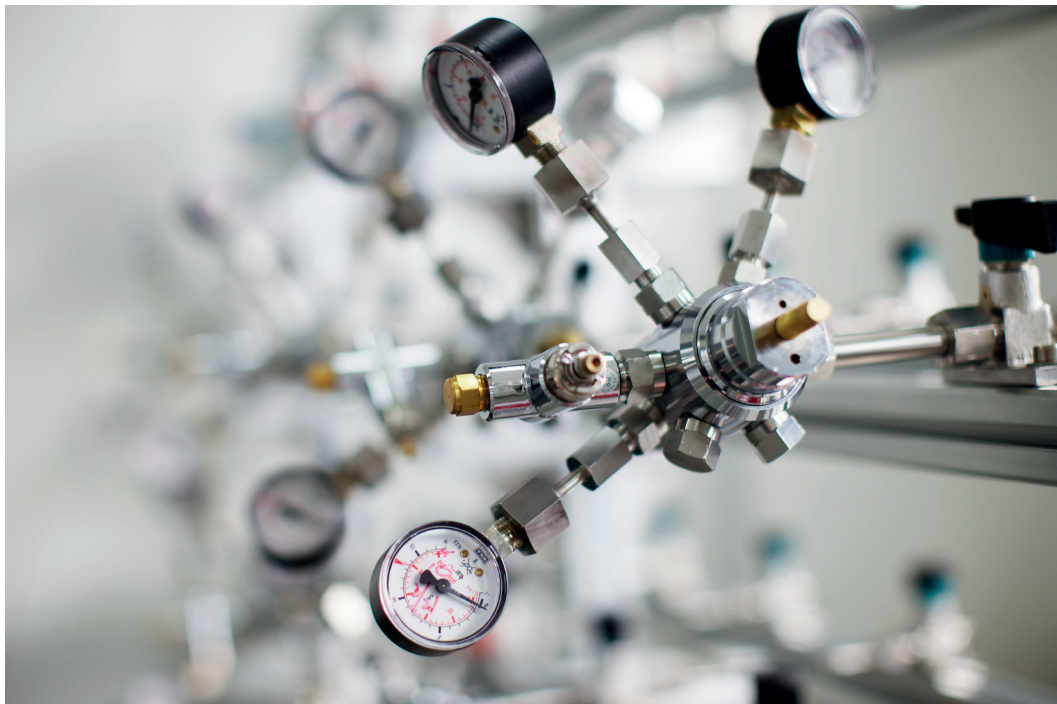
- 7 / 45 psi



LMD 545-01
4-Port-Type



LMD 545-03
6-Port-Type



► Inhouse helium leak testing

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

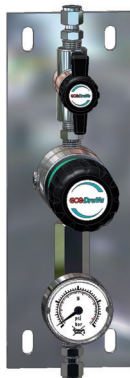
20 – 250 mbar 0.3 – 3.6 psi

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 LABORATORY 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



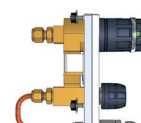
Basic body



Plate mounted



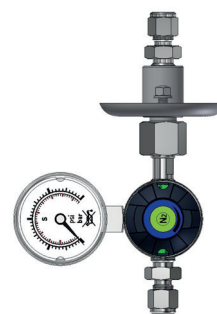
Wall mounted



Build-in



Bench mounted



Hanging version

Point of Use regulator EMD 400

Inset and wall mounted versions



VALVE OVERVIEW

Diaphragm shut-off valve

MVA 500/530

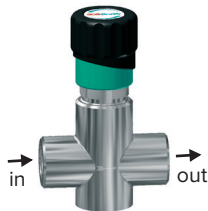
Model: In-line
Material: Brass chrome-plated /
Stainless steel
Upstream pressure: 230 / 300 bar
3300/4350 psi
Nominal width: DN5 – Cv-Value: 0.25
Inlet/Outlet: NPT 1/4"



Diaphragm regulating and s/o valve

MVR-A 500 G

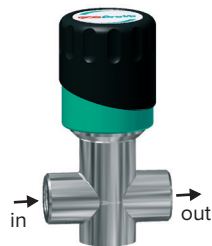
Model: In-line
Material: Brass chrome-plated /
Stainless steel
Upstream pressure: 40 bar (O₂) / 50 bar
600/725 psi
Nominal width: DN2 – Cv-Value: 0.025
Inlet/Outlet: NPT 1/4"



Diaphragm shut-off valve

MVA 501 G

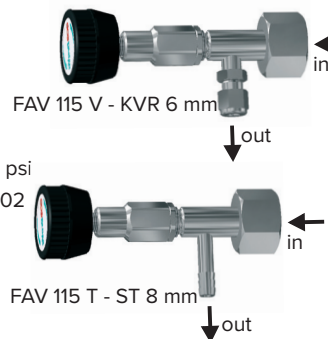
Model: In-line
Material: Brass / Brass chrome-plated /
Stainless steel
Upstream pressure: 40 bar (O₂) / 50 bar
600 (O₂) / 725 psi
Nominal width: DN8 – Cv-Value: 0.5
Inlet: NPT 1/4" f or G3/8" f
Outlet: NPT 1/4" f or G3/8" f



Packed regulating valve

FAV 115

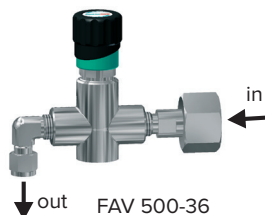
Model: Elbow design
Material: Stainless steel
Upstream pressure: 230 bar / 2900 psi
Nominal width: DN2 – Cv-Value: 0.02
Inlet: cylinder connector DIN 477
Outlet: tube fitting 6 mm
or hose nozzle 8 mm



Cylinder connection valve

FAV 500-36

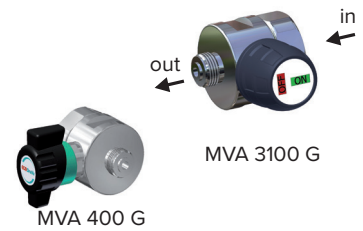
Model: Elbow design
Material: Brass chrome-plated /
Stainless steel
Upstream pressure: 50 bar / 725 psi
Nominal width: DN2 – Cv-Value: 0.02
Inlet: cylinder connector DIN 477
Outlet: tube fitting 6mm



Diaphragm shut-off valve

MVA 400 G / 3100 G

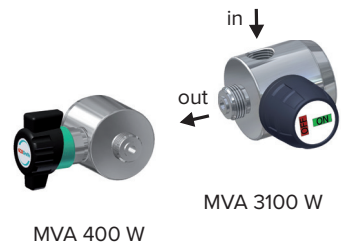
Model: Straight
Material: Brass chrome-plated /
Stainless steel
Upstream pressure: 40 bar / 600 psi
Nominal width: DN5 – Cv-Value: 0.2
Inlet/Outlet: G3/8" f - G3/8" m



Diaphragm shut-off valve

MVA 400 W / 3100 W

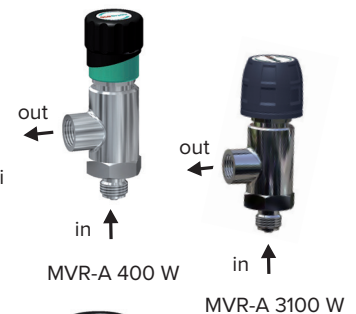
Model: Elbow design
Material: Brass chrome-plated /
Stainless steel
Upstream pressure: 40 bar / 600 psi
Nominal width: DN5 – Cv-Value: 0.25
Inlet/Outlet: G1/4" f – G3/8" m



Diaphragm regulating valve

MVR-A 400 W / 3100 W

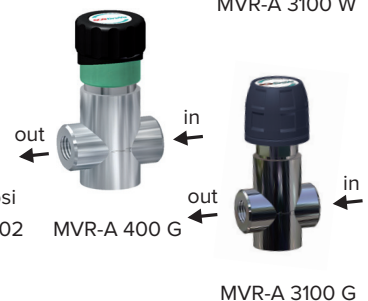
Model: Elbow design
Material: Brass chrome-plated /
Stainless steel
Upstream pressure: 40 bar / 600 psi
Nominal width: DN2 – Cv-Value:
0.025
Inlet - outlet: G1/4" m – G1/4" f



Diaphragm regulating valve

MVR-A 400 G / 3100 G

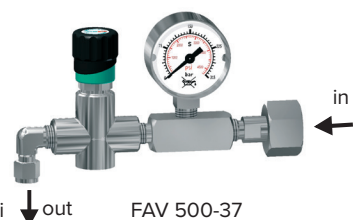
Model: Straight
Material: Brass chrome-plated /
Stainless steel
Upstream pressure: 40 bar / 600 psi
Nominal width: DN2 – Cv-Value: 0.02
Inlet - outlet: G1/4" f – G1/4" f



Cylinder connection valve

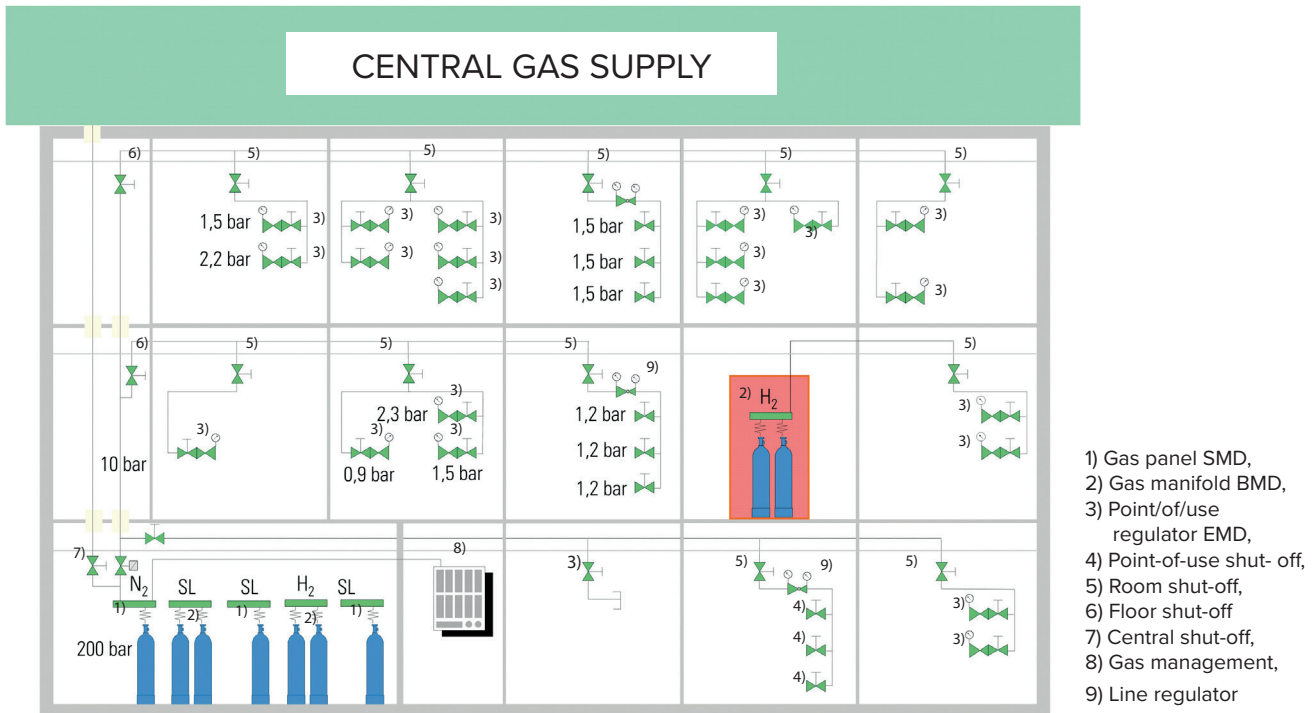
FAV 500-37

with gauge
Model: Elbow design
Material: Brass chrome-plated /
Stainless steel
Upstream pressure: 50 bar / 725 psi
Nominal width: DN2 – Cv-Value: 0.02
Inlet: cylinder connector DIN 477



GCE DRUVA ALSO OFFERS A FULL RANGE OF CENTRAL GAS CONTROL SOLUTIONS

Proper handling of expensive / toxic / flammable high purity gases requires the highest quality of control equipment. GCE druva supplies a wide range of components to handle and control specialty gases. Based on many years of experience, GCE druva is specialized in first and second stage pressure gas supply, tubing & tube layout, cylinder stock rooms, and monitoring devices.



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 market
- 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
- German design & European manufacture

REGIONAL OFFICES

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

AMERICA

LATIN AMERICA
MEXICO
USA

ASIA

CHINA
INDIA
RUSSIA

