







GCE WORLDWIDE



www.gcegroup.com

THE GCE BUSINESS

GCE has almost 100 years of experience in the manufacture and supply of high pressure gas equipment. During this time the GCE product range has increased dramatically. Today's product portfolio fits a large variety of applications, from simple pressure regulators and blowpipes for cutting and welding to highly sophisticated gas supply systems for the medical, electronic, and analytical industries. **GCE GROUP INCLUDES FOUR BUSINESS AREAS:**

- Cutting & Welding Technologies
- Valves
- Healthcare
- Druva

ORIGINS

The origins of GCE (Gas Control Equipment) go back to the start of the 20th century when Gas Welding was first invented. The GCE group was formed as an independent company in 1987 through the merging of two of the world's leading gas and welding companies into one independent unit. GCE has grown rapidly since its establishment and is leading the restructuring of the European gas equipment industry through mergers and acquisitions.

Through its extensive Research and Development programs GCE has set standards that have become the benchmark for the whole industry.

GCE SERVICES

Company's main industrial customers are wholesalers and local distributors. However, in some markets GCE closely cooperates with the chief gas suppliers in terms of equipment distribution.

For these companies GCE provides both commercial and technical support. A significant part of the sales volume in this area also comes from key end user accounts such as shipyards, repair shops, OEM customers, and welding machine manufacturers.

A COMPLETE RANGE FOR CUTTING & WELDING

GCE Group is one of the world's leading producers of industrial regulators for cutting and welding. The range covers a broad spectrum of products, for different applications, that have been designed according to the requirements of most European standards such as DIN, Afnor, BSI, and Nordic.

The torch range includes products for heating, cutting, brazing, and flame cleaning applications designed in accordance with the preferences of individual markets and customers. Regulators, torches, nozzles and other products are also increasingly combined in sets and sold to users as an individual package.

GCE Group is a pioneer in the field of safety equipment and currently produces a comprehensive range of flashback arrestors and hose check valves. A range of nozzles, including the long-life Coolex® nozzle, completes GCE's Cutting & Welding range.

GCE Group's ranges include various types of gas equipment enabling safe handling of gases, extending from central gas supply systems and brewery equipment to machine cutting products. We offer cylinder valves and combination valves, pressure control units, gas manifolds, outlet points, shut-off valves, alarm and safety units, high-pressure flexible hoses and accessories for different applications, gases, pressures, and flow rates.

All products have to meet demanding requirements for strong durability, leak-proof sealing and overall safety. Uniquely qualified in this area, GCE stands at the forefront of international development of these products.

GLOBAL LEADER IN OXY-FUEL TECHNOLOGY

Since GCE Group is extensively experienced in the development and production of machine cutting torches and cutting nozzles, the company has become a global leader in the field of oxy-fuel cutting technology. The design of the products is based on GCE's profound knowledge and expertise in the oxy-fuel area.



CONTENTS

| FIRST STAGE REGULATOR CELTIC Junior 74 - Direct Regulators | . 3 | 3 |
|--|----------|---|
| SECOND STAGE REGULATOR CELTIC AML2 - Direct Regulators | . 6 | 5 |
| SECURITY DEVICE RD 05 - Release Security System | . 8 | |
| PNEUMATIC LOADED REGULATOR DE 232 | . 9 | • |
| SPARE PARTS CELTIC PROTÉE. OMT. DE 232 | 10 10 | 0 |
| ACCESSORIES CELTIC | | 1 |
| TECHNICAL SPECIFICATION | 12 | 2 |



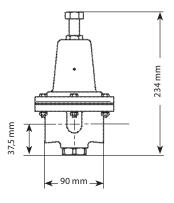
FIRST STAGE REGULATOR

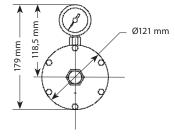
CELTIC JUNIOR 74 - DIRECT REGULATORS

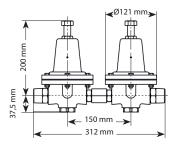


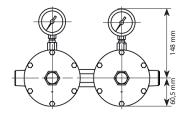


Celtic Junior 74 Duo









The CELTIC range can be used for all common non-corrosive industrial gas. As for regulation, these products are very accurate.

APPLICATION

- Outlet pressure regulation at the outlet of an air gas vaporizer (JUNIOR 74 ES)
- First stage regulation for propane at the outlet of a cistern
- Pressure limiting device (JUNIOR 74 DUO)

PRODUCT ADVANTAGES

- Watertightness in case of bad weather
- All components comfortably accessible
- Easy and fast dismantling
- Simple and heavy-duty
- Low pressure closing
- Stainless steel adjustment screw

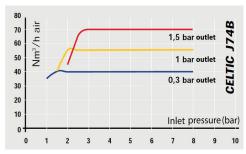
CELTIC JUNIOR 74-A

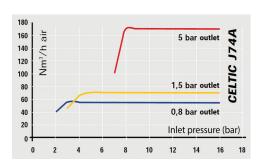
| | CELTIC JUNIO |)R 74-A | | | | | |
|--------------------|--------------|------------|----------|-------------------------------|---------------------------|-------------------|----------------------|
| | Art. Nr. | Connection | Gas | Max. inlet pressure bar (psi) | Outlet pressure bar (psi) | Flow air Nm³/h | Flow propane kg/h |
| | I130301 | G3/4"F* | N,M,P | 20 (300) | 0,8-6 (12-90) | 30-170 | 80-260 |
| | I130331 | G3/4"F* | O,N | 20 (300) | 0,8-6 (12-90) | 30-170 | NA |
| | l130341 | G3/4"F* | P-liquid | 20 (300) | 0,8-6 (12-90) | 30-170 | NA |
| | CELTIC JUNIO | R 74-A DUO | | | | | |
| | Art. Nr. | Connection | Gas | Max. inlet pressure bar (psi) | Outlet pressure bar (psi) | Flow air Nm³/h | Flow propane kg/h |
| | I130360 | G3/4"M* | N,M,P | 20 (300) | 0,8-6 (12-90) | 30-170 | 45-260 |
| | CELTIC JUNIO |)R 74-ES | | | | | |
| | Art. Nr. | Connection | Gas | Max. inlet pressure bar (psi) | Outlet pressure bar (psi) | Flow air Nm³/h | Flow propane kg/h |
| | I130325 | G3/4"F* | N,M,P,O | 20 (300) | 0,8-10 (12-145) | 30-250 | 45-260 |
| CELTIC JUNIOR 74-B | | | | | | | |
| | Art. Nr. | Connection | Gas | Max. inlet pressure bar (psi) | Outlet pressure bar (psi) | Flow air Nm³/h | Flow propane kg/h |
| | I130302 | G3/4"F* | N,M,P | 8 (120) | 0,3-1,5 (4-20) | 35-70 | 54-109 |
| | I130332 | G3/4"F* | O,N | 8 (120) | 0,3-1,5 (4-20) | 35-70 | NA |
| | l130342 | G3/4"F* | P-liquid | 8 (120) | 0,3-1,5 (4-20) | 35-70 | NA |
| CELTIC JUNIOR 74-C | | | | | | | |
| | Art. Nr. | Connection | Gas | Max. inlet pressure bar (psi) | Outlet pressure bar (psi) | Flow air Nm³/h | Flow propane kg/h |
| | I130303 | G3/4"F* | N,M,P | 4 (60) | 0,1-0,5 (2-7) | 5-45 | 30-60 |
| | I130333 | G3/4"F* | O,N | 4 (60) | 0,1-0,5 (2-7) | 5-45 | NA |
| | | | | | | | |

TECHNICAL DATA

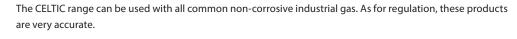
* Versions with gauge

| Max. inlet pressure: | 20 bar (A, ES, A DUO); 8 bar (B); 4 bar (C) |
|------------------------------|---|
| Material: | Aluminium alloy body |
| Connection: | G3/4" Female (A, B, C, ES) |
| | G3/4" Male (A DUO) |
| Operating temperature range: | from -20 to + 60°C |









APPLICATION

- First stage regulation for propane at the outlet of a cistern (RGCL-N)
- Pressure limiting device (AML1 with RD05)

PRODUCT ADVANTAGES

- Watertightness in case of bad weather
- All components comfortably accessible
- Easy and fast dismantling
- Simple and heavy-duty
- Low pressure closing
- Stainless steel adjustment screw
- Flange with turning end-plate (for DN 50)



Celtic AML1-N

Celtic AML1-S

Celtic RGCL-N

CELTIC RGCL-N

| | Art. Nr. | Connection | Gas | Max. inlet pressure bar (psi) | • | Flow air Nm³/h | Flow propane kg/h |
|---------------|-----------|----------------|-------|-------------------------------|---------------|-------------------|----------------------|
| | I130420SL | Flanged DN 50* | N,M,P | 20 (300) | 0,8-5 (12-70) | 190-680 | 295-1050 |
| CELTIC AML1-N | | | | | | | |

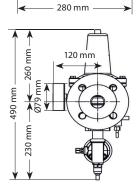
| Α | rt. Nr. | Connection | Gas | Max. inlet pressure bar (psi) | Outlet pressure bar (psi) | Flow air Nm³/h | Flow propane kg/h |
|----|----------|----------------|-------|-------------------------------|---------------------------|-------------------|----------------------|
| -1 | 130551SL | G1 1/2"F | N,M,P | 20 (300) | 0,8-5 (12-70) | 190-680 | 295-1050 |
| -1 | 130552SL | Flanged DN 50* | N,M,P | 20 (300) | 0,8-5 (12-70) | 190-680 | 295-1050 |
| -1 | 130553SL | G1 1/2"F | 0 | 20 (300) | 0,8-5 (12-70) | 190-680 | 295-1050 |



| Art. Nr. | Connection | Gas | Max. inlet pressure bar (psi) | Outlet pressure bar (psi) | Flow air Nm³/h | Flow propane kg/h |
|-----------|----------------|-------|-------------------------------|---------------------------|-------------------|----------------------|
| I130561SL | G1 1/2"F | N,M,P | 20 (300) | 0,8-2 (12-30) | 190-350 | 295-540 |
| I130561SL | G1 1/2"F | N,M,P | 20 (300) | 1,3-5 (20- 70) | 250-680 | 390-1050 |
| I130563SL | Flanged DN 50* | N,M,P | 20 (300) | 0,8-2 (12-30) | 190-350 | 295-540 |
| I130564SL | Flanged DN 50* | N,M,P | 20 (300) | 1,3-5 (20-70) | 250-680 | 390-1050 |
| I130565SL | G1½″F | 0 | 20 (300) | 0,8-2 (12-30) | 190-350 | 295-540 |
| I130566SL | G1 1/2"F | 0 | 20 (300) | 1,3-5 (20-70) | 250-680 | 390-1050 |

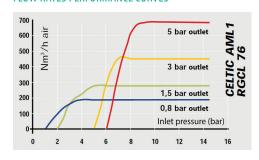
^{*} Versions with gauge

179 mm - 146 mm -



TECHNICAL DATA

| Max. inlet pressure: | 20 bar |
|------------------------------|--|
| Material: | Aluminium alloy body |
| Connection: | CELTIC AML 1 - RGCL-N: inlet and outlet with flange DN50 PN 40 |
| | or thread G1 1/2" (40×49) |
| Operating temperature range: | from -20 to + 60°C |



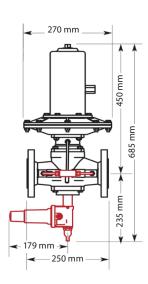




PROTÉE 431 - N



PROTÉE 431 - S



PROTÉE 431-S

This regulator is designed for medium and low pressure. Thanks to their balanced valve, the PROTÉE are insensitive to the variations of the outlet pressure. They enable the distribution of all non-corrosive compressed gas (except oxygen: contact GCE).

APPLICATION

- First stage regulation for a propane cistern
- Gas distribution of medium pressure
- Supply gas for burners in medium pressure
- Oven inert
- Gas supply for safety devices
- Pressure limiting device (PROTÉE 431 with RD05)

PRODUCT ADVANTAGES

- Watertightness in case of bad weather
- All components comfortably accessible
- Easy and fast dismantling
- Simple and heavy-duty
- Low closing pressure
- Removable encapsulated valve

PROTÉE 431-N

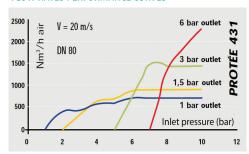
| Art. Nr. | Connection | Gas | Max. inlet pressure bar (psi) | Outlet pressure bar (psi) | Flow air Nm³/h | Flow propane kg/h |
|----------|----------------|-------|-------------------------------|---------------------------|-------------------|----------------------|
| I101349 | Flanged DN 50* | N,M,P | 20 (300) | 0,8-2,1(12-30) | 400-1150 | 620-1750 |
| I101350 | Flanged DN 50* | N,M,P | 20 (300) | 2,1-3 (30-40) | 400-1450 | 620-2250 |
| I101351 | Flanged DN 50* | N,M,P | 20 (300) | 3-6,5 (40-90) | 400-2305 | 620-3570 |

PROTÉE 431-S (AML1 WITH RD05)

| Art. Nr. | Connection | Gas | Max. inlet pressure bar (psi) | Outlet pressure bar (psi) | Flow air Nm³/h | Flow propane kg/h |
|----------------|----------------|-------|-------------------------------|---------------------------|-------------------|-------------------|
| l101352 | Flanged DN 50* | N,M,P | 20 (300) | 0,8-2,1(12-30) | 400-1150 | 620-1750 |
| I101353 | Flanged DN 50* | N,M,P | 20 (300) | 2,1-3 (30-40) | 400-1450 | 620-2250 |
| I101354 | Flanged DN 50* | N,M,P | 20 (300) | 3-6,5 (40-90) | 400-2305 | 620-3570 |
| * Version with | gauge | | | | | |

TECHNICAL DATA

| Max. inlet pressure: | 20 bar |
|------------------------------|-------------------------------------|
| Material: | Cast iron body |
| Connection: | Flanged DN50 PN 40 inlet and outlet |
| Operating temperature range: | from -20 to + 60°C |





SECOND STAGE REGULATOR

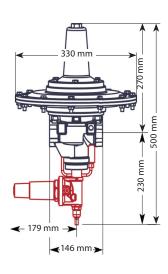
CELTIC AML2 - DIRECT REGULATORS



Celtic AML2-N



Celtic AML2-S



The CELTIC range can be used for all common non-corrosive industrial gas. As for regulation, these products are very accurate.

APPLICATION

- Second stage regulation to supply furnaces
- Inertness (cisterns, pipes)
- Pressure limiting device (AML2 with RD05 = "S")

PRODUCT ADVANTAGES

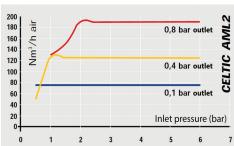
- Watertightness in case of bad weather
- All components comfortably accessible
- Easy and fast dismantling
- Simple and heavy-duty
- Low closing pressure

CELTIC AML2-N

| Art. Nr. | Connection | Gas | Max. inlet pressure bar (psi) | Outlet pressure bar (psi) | Flow air Nm³/h | Flow propane kg/h | |
|--------------------------------|------------|-------|-------------------------------|------------------------------|-------------------|----------------------|--|
| l130621 | G1 1/2"F | N,M,P | 8 (120) | 0,1-0,8 (2-12) | 70-190 | 100-290 | |
| CELTIC AML2-S (AML1 WITH RD05) | | | | | | | |
| Art. Nr. | Connection | Gas | Max. inlet pressure bar (psi) | Outlet pressure bar (psi) | Flow air Nm³/h | Flow propane kg/h | |
| I130623 | G1 1/2"F | N,M,P | 8 (120) | 0,3-0,8 (4-12) | 70-190 | 100-290 | |

TECHNICAL DATA

| Max. inlet pressure: | 8 bar |
|------------------------------|--|
| Material: | Aluminium alloy body |
| Connection: | Threaded inlet and outlet G 11/2"F (40×49) |
| Operating temperature range: | from -20 to + 60°C |





Regulator for medium and low pressure. Thanks to their balance valve the PROTÉE are insensitive to the variations of the outlet pressure. They enable the distribution of all non corrosive gas (except oxygen: contact GCE).



- Second stage regulation for a propane cistern
- Medium pressure network supply
- Medium pressure burner supply
- Oven inert
- Security network

PRODUCT ADVANTAGES

- Watertightness in case of bad weather
- All components comfortably accessible
- Easy and fast dismantling
- Simple and heavy-duty
- Low closing pressure
- Low pressure balanced valve
- Removable encapsulated valve

370 mm 179 mm 250 mm

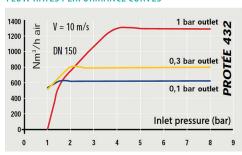
PROTÉE 432-N

PROTÉE 432-N

| Art. Nr. | Connection | Gas | Max. inlet pressure bar (psi) | Outlet pressure bar (psi) | Flow air Nm³/h | Flow propane kg/h |
|----------|---------------|-------|-------------------------------|---------------------------|-------------------|----------------------|
| I101303 | Flanged DN 50 | N,M,P | 8 (120) | 0,25-0,35 (4-5) | 750-820 | 1160-1270 |
| I101324 | Flanged DN 50 | N,M,P | 8 (120) | 0,1-0,3 (2-4) | 600-800 | 930-1240 |
| l101325 | Flanged DN 50 | N,M,P | 8 (120) | 0,3-0,5 (4-7) | 800-950 | 1240-1470 |
| I101326 | Flanged DN 50 | N,M,P | 8 (120) | 0,5-1 (7-15) | 950-1300 | 1470-2015 |

TECHNICAL DATA

| Max. inlet pressure: | 8 bar |
|------------------------------|--|
| Material: | Cast iron body |
| Connection: | Inlet and outlet with flange DN 50 PN 40 |
| Operating temperature range: | from -20 to + 60°C |

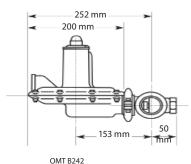








OMT A102 AP



365 mm 63

395 mm

OMT A102

The OMT range comprises of very accurate low pressure regulators developed for burning gas (LPG, natural gas) and commonly for non-corrosive gas as well.

APPLICATION

- To inert network and tanks
- Last regulation before burners
- Second stage regulation for propane
- To compress space
- Low pressure and big flow.

PRODUCT ADVANTAGES

- Watertightness in case of bad weather
- All components comfortably accessible
- Easy and fast dismantling
- Simple and heavy-duty
- Low closing pressure
- Low pressure balanced valve

OMT B242

| Art. Nr. | Connection | Gas | Max. inlet pressure bar (psi) | Outlet pressure bar (psi) | Flow air Nm³/h | Flow propane kg/h |
|----------|------------|-------|-------------------------------|------------------------------|-------------------|----------------------|
| l120121 | G1 1/2 "F | N,M,P | 5 (75) | 13-22 (0,195-0,33) | 10-200 | NA |
| I120122 | G1 1/2"F | N,M,P | 5 (75) | 20-29 (0,3-0,435) | 10-200 | NA |
| I120123 | G1 1/2"F | N,M,P | 5 (75) | 29-42 (0,435-0,63) | 10-200 | NA |
| I120124 | G1 1/2"F | N,M,P | 5 (75) | 40-58 (0,6-0,87) | 10-200 | NA |
| I120125 | G1 1/2"F | N,M,P | 5 (75) | 56-80 (0,84-1,2) | 10-200 | NA |

OMT B242 AP (DELIVERED WITH 2 REGULATING SPRINGS)

| Art. Nr. | Connection | Gas | Max. inlet pressure bar (psi) | Outlet pressure bar (psi) | Flow air Nm³/h | Flow propane kg/h |
|----------|------------|-------|-------------------------------|------------------------------|-------------------|----------------------|
| l120221 | G1 1/2 "F | N,M,P | 5 (75) | 78-200 (1,17-3) | 20-240 | NA |
| l120225 | G1 1/2 "F | N,M,P | 5 (75) | 140-320 (2,1-4,8) | 20-240 | NA |

OMT A102

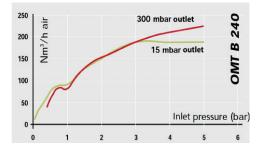
| Art. Nr. | Connection | Gas | Max. inlet pressure bar (psi) | Outlet pressure bar (psi) | Flow air Nm³/h | Flow propane kg/h |
|----------|------------|-------|-------------------------------|------------------------------|-------------------|-------------------|
| l120625 | G2"F | N,M,P | 4 (60) | 20-45 (0,3-0,675) | 20-120 | NA |
| I120632P | G2"F | N,M,P | 4 (60) | 5,5-12,5 (0,082-0,188) | 20-120 | NA |
| l120633 | G2"F | N,M,P | 4 (60) | 9-18 (0,135-0,27) | 20-120 | NA |
| I120635 | G2"F | N,M,P | 4 (60) | 36-75 (0,54-1,125) | 20-200 | NA |

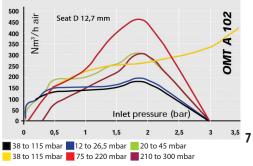
OMT A102 AP

| Art. Nr. | Connection | Gas | Max. inlet pressure bar (psi) | Outlet pressure bar (psi) | Flow air Nm³/h | Flow propane kg/h |
|----------|------------|-------|-------------------------------|------------------------------|-------------------|----------------------|
| I120725 | G2"F | N,M,P | 4 (60) | 150-300 (2,25-4,5) | 30-400 | NA |
| I120732 | G2"F | N.M.P | 4 (60) | 60-168 (0.9-2.52) | 30-400 | NA |

TECHNICAL DATA

| Max. inlet pressure: | 4 bar (A102), 5 bar (B242) |
|------------------------------|------------------------------|
| Material: | Cast iron body |
| Connection: | G1 1/2"F (A102), G2"F (B242) |
| Operating temperature range: | from -20 to +60°C |



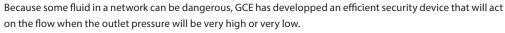




SECURITY DEVICE

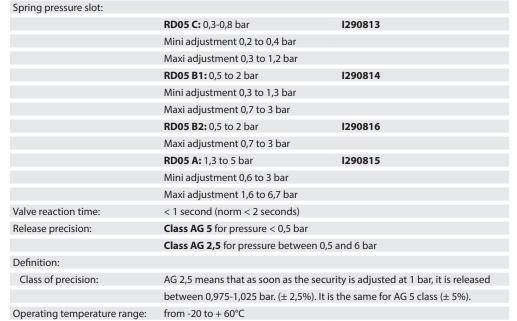
RD 05 - RELEASE SECURITY SYSTEM





The GCE security device is used only with selected regulators of the range. The security valve cut the inlet gas flow, if the outlet pressure is out of the pressure slot that has been previously adjusted.

TECHNICAL DATA



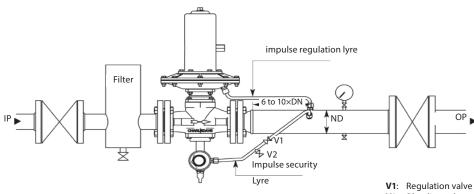




PROTÉF 431-S



INSTALLATION EXAMPLE



V2: Bleeding valve

Inlet pressure

OP: Outlet pressure ND: Nominal Diameter

VARIABLE WITH

 CELTIC AML1-S (see page 3)

 PROTÉE 431-S (see page 4)

 CELTIC AML2-S (see page 5)



PNEUMATIC LOADED REGULATOR

DE 232



High pressure, high flow regulator for inert gas application. Regulator provides constant and stabile flow.

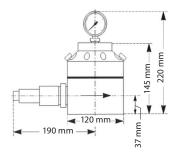
APPLICATION

- Inertisation in various processes
- Chemical industries
- Vessel pressurising

PRODUCT ADVANTAGES

- Adjustable with or without pilot regulator (pilot regulator on request)
- Inlet pressure up to 250 bar
- Outlet pressure adjustable up to 200 bar
- Flow capacity up to 3000 Nm³/h

| Art. Nr. | Gas | Max. inlet pressure (bar) | Inlet connection | Max. outlet pressure (bar) | Outlet connection | Note |
|----------|-----------|---------------------------|---------------------|-------------------------------|-------------------|---------------|
| I110408 | N (Inert) | 250 | W21,8×1/14"F | 200 | G1" | without gauge |
| I110410 | N (Inert) | 250 | W21,8×1/14"F | 200 | G1" | with gauge |



TECHNICAL DATA

| Body and bonnet material: | Machined brass |
|------------------------------------|-------------------------|
| Surface screws material: | Stainless steel |
| Diaphragm material: | NBR |
| Seat sealing material: | PA |
| Inlet filter material: | Bronze |
| Inlet outlet connections material: | Brass |
| Maximal inlet pressure: | 250 bar |
| Maximal outlet pressure: | 200 bar |
| Maximal flow capacity: | 3000 Nm ³ /h |
| Weight: | 11 kg |
| Ambient temperature range: | from -20 to + 60°C |

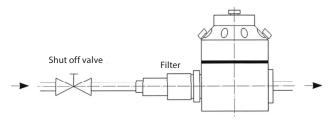
FLOW CHART

Inlet pressure (bar)

| $\overline{}$ | | 10 | 30 | 50 | 150 | 200 | 250 |
|------------------------|-----|-----|-----|------|------|------|------|
| Working pressure (bar) | 5 | 165 | 165 | 165 | 165 | 165 | 165 |
| | 15 | - | 465 | 465 | 465 | 465 | 465 |
| | 30 | - | - | 745 | 745 | 745 | 745 |
| | 60 | - | - | 1480 | 1480 | 1480 | 1480 |
| | 100 | - | - | - | 2130 | 2130 | 2130 |
| | 150 | - | - | - | - | 2605 | 2605 |
| | 200 | - | - | - | - | - | 3000 |

Performance in Nm³/h Air with an outlet gas speed of 30 m/s.

INSTALLATION EXAMPLE





SPARE PARTS

Maintenance kit for models with spring used with non-corrosive gas

CELTIC

| Art. Nr. | Model | Contents |
|-------------|---------------------|--|
| 1291261 | CELTIC JUNIOR 74-A | 1 diaphragm, 2 O-rings (plug), 1 complete regulating valve, 1 valve stem |
| 1291262 | CELTIC JUNIOR 74-B | 1 diaphragm, 2 O-rings (plug), 1 complete regulating valve, 1 valve stem |
| 1291281 | CELTIC AML1, RGCL-N | 1 diaphragm, 1 diaphragm washer (for AML2), 1 complete regulating |
| | | valve, 3 washers (plug, valve), 1 blind nut |
| 1291282 | CELTIC AML2-N | 1 diaphragm, 1 diaphragm washer (for AML2), 1 complete regulating |
| | | regulating valve, 3 washers (plug, valve), 1 blind nut |
| 1291288 | CELTIC AML1, RGCL-N | Flanges (2x) + Neck (2x) |
| I303348P | CELTIC AML1, RGCL-N | Pressure gauge 6 bar |
| 1291205 | CELTIC AML1, RGCL-N | Counter flange (1x) + DN 50 + Bolts (4x) + Washer |
| PREVIOUS MO | DEL | |
| Art. Nr. | Model | Contents |
| 1291263 | CELTIC AML1, RGCL-N | 1 diaphragm, 1 diaphragm washer (for AML2), 1 complete regulating |
| | | valve, 3 washers (plug and valve), 1 blind nut |
| 1291264 | CELTIC AML1, RGCL-N | 1 diaphragm, 1 diaphragm washer (for AML2), 1 complete regulating |
| | | valve, 3 washers (plug and valve), 1 blind nut |

PROTÉE

| Art. Nr. | Model | Contents |
|----------|--------------|--|
| 1291283 | PROTÉE 431-N | 1 diaphragm, 1 diaphragm washer (for AML2), 1 complete regulating |
| | | valve, 3 washers (plug and valve), 1 blind nut |
| 1291286 | PROTÉE 432-N | O-rings, 1 main diaphragm, 1 encapsulated valve, 2 diaphragms and clip |
| | | rings for event hole |

PREVIOUS MODEL

| Art. Nr. | Model | Contents |
|----------|---------------------|---|
| 1291270 | CELTIC AML1, RGCL-N | washers, 1 diaphragm, 1 complete regulating valve, 1 valve axis |
| 1291256 | CELTIC AML1, RGCL-N | complete regulating valves, 1 main diaphragm, 2 diaphragms and clip |
| | | rings for event hole, 1 encapsulated valve |

OMT

| Art. Nr. | Model | Contents |
|----------|-------|----------------------------------|
| 1291265 | B242 | 1 diaphragm, 5 O-rings, 1 gasket |
| 2200077P | A102 | 1 diaphragm, 5 O-rings, 1 gasket |

DE 232

| Art. Nr. | Model | Contents | |
|----------|--------|---|--|
| 1291271 | DE 232 | valve, seat, filter, diaphragm, and O-rings | |



ACCESSORIES

Outlet security kit for N-models not having outlet security device, GCE propose a security kit

CELTIC

| Art. Nr. | Model | Outlet pressure | Name |
|----------|---------------|-----------------|------------------|
| 1291300 | CELTIC AML1 | 0,3 to 0,8 bar | Kit RD05 - C AML |
| 1291302 | CELTIC AML1 | 0,5 to 2 bar | Kit RD05 - B AML |
| 1291301 | CELTIC AML1 | 1,3 to 5 bar | Kit RD05 - A AML |
| 1291303 | CELTIC AML2-N | 0,3 to 0,8 bar | Kit RD05 - C AML |

The installation of the security device has to be done in our workshop.

CELTIC

| Art. Nr. | Model | Outlet pressure | Name |
|----------|--------------|-------------------------|-------------------------|
| 1291308 | PROTÉE 431-N | 0,8 to 2,1 bar | Kit RD05 - B PROTÉE 431 |
| 1291307 | PROTÉE 431-N | 2,1 to 3 bar; 3 - 5 bar | Kit RD05 - A PROTÉE 431 |

The installation of the security device has to be done in our workshop.



TECHNICAL SPECIFICATION

GAS DESIGNATION

| TYPE OF GAS | CODE LETTER |
|--------------------------|-------------|
| Acetylene | A |
| Oxygen | 0 |
| Hydrogen | Н |
| Compressed air | D |
| LPG | Р |
| MPS | Υ |
| Natural gas | M |
| CO2, nitrogen, inert gas | N |

PRODUCT DESIGNATION

- S REGULATOR WITH SAFETY DEVICE

CELTIC AML1-S
Art. Nr. Connection

I130561SL G1"1/2F*

I130562SL G1"1/2F*

- CELTIC AML1-S (see page 3)
- PROTÉE 431-S (see page 4)
- CELTIC AML2-S (see page 5)

- N REGULATOR WITHOUT SAFETY DEVICE

CELTIC AML1-N
Art. Nr. Connection

I130420SL Flanged DN
I130551SL G1"1/2F

- CELTIC RGCL-N (see page 3)
- CELTIC AML1-N (see page 3)
- PROTÉE 431-N (see page 4)
- CELTIC AML2-N (see page 5)
- PROTÉE 432-N (see page 6)

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 15 subsidiaries around the world and employs more than 900 people. GCE Group includes four business areas – Cutting&Welding technology, 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.