

# *PROFI* Meter

SERIES CG1-52/1

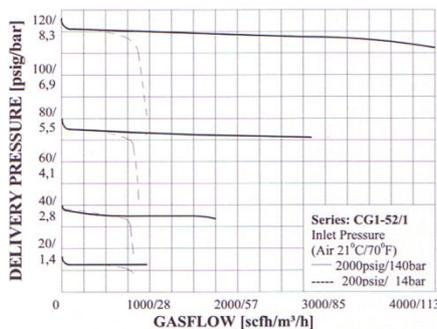


SINGLE STAGE  
CYLINDER PRESSURE REGULATORS

## PROFI Meter Series CG1-52/1 SINGLE STAGE CYLINDER PRESSURE REGULATORS

The spring-loaded single stage cylinder pressure regulators **Profi Meter Series CG1-52/1** are designed for the accurate control of compressed industrial gases with minimum outlet pressure fluctuations.

**Series CG1-52/1** meet the demands also of heavy duty welding, brazing, heating, cutting, gouging, and low purity laboratory applications. Produced using the most up-to-date production and testing facilities the **Profi Meter CG1-52/1** are reliable, versatile, compact regulators that represents excellent value for money and accurate for those who want an economical, high performance regulator.



- Designed according to the most current internationally recognized standards EN ISO, BSP, CGA and NFE.
- Manufactured under the quality management of EN ISO 9001.
- 100% tested before despatch.
- Compact single stage construction.
- Single modular component.
- Forged brass body and housing cap.
- Non-abrasive hardplastic pressure adjusting screw for smooth pressure adjustment.
- Economically designed and colour coded adjusting handwheel.
- Sintered inlet filter prevents foreign matter entering regulator, reduces velocity of gas, prevents high pressure oxygen heat spots.
- Soft valve seat for longer life span.
- Inlet and outlet pressure gauge with dual scale (bar and psig).
- Fire-retardant valve material.
- Outlet pressure relief valve ensures operator safety.
- Integrated outlet pressure restriction prevents damage to diaphragm.
- Unique, integrated outlet pressure locking device.
- Low pressure body chamber to prevent freeze-up.
- Outlet pressure stability permits a steady flow of gases.
- Reduced maintenance and downtime due to maintenance-free technology.
- Precision engineered for optimum performance and long life.

| Model       | Part No.  | Standard | Gas Type            | Inlet Pressure [bar]/[psi] | Outlet Pressure [bar]/[psi] | Delivery Flow [m³/h]/[cf/h] | Inlet Connection      | Outlet Connection |
|-------------|-----------|----------|---------------------|----------------------------|-----------------------------|-----------------------------|-----------------------|-------------------|
| CG1-52/1E-O | 770.50566 | DIN      | Oxygen              | 200/2900                   | 10/145                      | 70/2500                     | G 3/4-RH(F)           | G 1/4-RH(M)       |
| CG1-52/1B-O | 770.50567 | BSP      | Oxygen              | 200/2900                   | 10/145                      | 70/2500                     | G 5/8"-RH(M)          | G 3/8-RH(M)       |
| CG1-52/1U-O | 770.50568 | CGA      | Oxygen              | 200/2900                   | 10/145                      | 70/2500                     | 0,908"x1/14"-RH(F)    | 9/16"NF-RH(M)     |
| CG1-52/1F-O | 770.50569 | NFE      | Oxygen              | 200/2900                   | 10/145                      | 70/2500                     | G 5/8"-RH(M)          | M16x1,5-RH(M)     |
| CG1-52/1N-O | 770.50710 | NZ       | Oxygen              | 200/2900                   | 10/145                      | 70/2500                     | G 5/8"-RH(M)          | 5/8 UNF-RH(M)     |
| CG1-52/1E-A | 770.50570 | DIN      | Acetylene           | 25/360                     | 1,5/22                      | 13/460                      | bracket DIN 477       | G 3/8-LH(M)       |
| CG1-52/1B-A | 770.50571 | BSP      | Acetylene           | 25/360                     | 1,5/22                      | 13/460                      | G 5/8"-LH(M)          | G 3/8-LH(M)       |
| CG1-52/1U-A | 770.50572 | CGA      | Acetylene           | 25/360                     | 1,0/15                      | 13/460                      | 0,880"x1/14"-LH(M)    | 9/16"NF-LH(M)     |
| CG1-52/1F-A | 770.50573 | NFE      | Acetylene           | 25/360                     | 1,5/22                      | 13/460                      | G 5/8"-LH(M)          | M16x1,5-LH(M)     |
| CG1-52/1N-A | 770.50711 | NZ       | Acetylene           | 25/360                     | 1,5/22                      | 13/460                      | G 5/8"-LH(M)          | 5/8 UNF-LH(M)     |
| CG1-52/1E-P | 770.50574 | DIN      | Propane/LPG         | 25/360                     | 2,5/36                      | 20/700                      | W21,8x1/14"-LH(F)     | G 3/8-LH(M)       |
| CG1-52/1B-P | 770.50575 | BSP      | Propane/LPG         | 25/360                     | 2,5/36                      | 20/700                      | G 5/8"-LH(M)          | G 3/8-LH(M)       |
| CG1-52/1U-P | 770.50576 | CGA      | Propane/LPG         | 25/360                     | 2,5/36                      | 20/700                      | 0,880"x1/14"-LH(M)    | 9/16"NF-LH(M)     |
| CG1-52/1F-P | 770.50577 | NFE      | Propane/LPG         | 25/360                     | 2,5/36                      | 20/700                      | W21,8x1/14"-LH(F)     | M16x1,5-LH(M)     |
| CG1-52/1N-P | 770.50712 | NZ       | Propane/LPG         | 25/360                     | 2,5/36                      | 20/700                      | G 5/8"-LH(M)          | 5/8 UNF-LH(M)     |
| CG1-52/1E-I | 770.50578 | DIN      | Arg./N <sub>2</sub> | 200/2900                   | 10/145                      | 45/1590                     | W21,8x1/14"-RH(F)     | G 1/4-RH(M)       |
| CG1-52/1B-I | 770.50579 | BSP      | Arg./N <sub>2</sub> | 200/2900                   | 10/145                      | 45/1590                     | G 5/8"-RH(M)          | G 3/8-RH(M)       |
| CG1-52/1U-I | 770.50580 | CGA      | Arg./N <sub>2</sub> | 200/2900                   | 10/145                      | 45/1590                     | 0,960"x1/14"-RH(M)    | 9/16"NF-RH(M)     |
| CG1-52/1F-I | 770.50581 | NFE      | Arg./N <sub>2</sub> | 200/2900                   | 10/145                      | 45/1590                     | W21,7x1/14"-RH(F)     | G 1/4-RH(M)       |
| CG1-52/1N-I | 770.50713 | NZ       | Arg./N <sub>2</sub> | 200/2900                   | 10/145                      | 45/1590                     | G 5/8"-RH(M)          | 5/8 UNF-RH(M)     |
| CG1-52/1E-C | 770.50582 | DIN      | Carbon Dioxide      | 200/2900                   | 10/145                      | 35/1240                     | W21,8x1/14"-RH(F)     | G 1/4-RH(M)       |
| CG1-52/1B-C | 770.50583 | BSP      | Carbon Dioxide      | 200/2900                   | 10/145                      | 35/1240                     | 0,860"x1/14"-RH(F)    | G 3/8-RH(M)       |
| CG1-52/1U-C | 770.50584 | CGA      | Carbon Dioxide      | 200/2900                   | 10/145                      | 35/1240                     | 0,830"x1/14"-RH(F)    | 9/16"NF-RH(M)     |
| CG1-52/1F-C | 770.50585 | NFE      | Carbon Dioxide      | 200/2900                   | 10/145                      | 35/1240                     | W21,7x1/14"-RH(F)     | G 1/4-RH(M)       |
| CG1-52/1N-C | 770.50714 | NZ       | Carbon Dioxide      | 200/2900                   | 10/145                      | 35/1240                     | 0,830"-14T.P.I.-RH(M) | 5/8 UNF-RH(M)     |

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