

Mini-Full Cleaning System

DESCRIPTION**Mini - Full**

The Patented **Mecair** "Full Immersion System" range, now includes the new **Mini-Full** designed for direct pneumatic injection into the filtering elements. The new 1/2" Full Immersion valve has been designed for installation directly above the filtering element producing increased efficiency of the cleaning system and eliminating the blow tube. A typical installation includes the direct cleaning of cartridges.

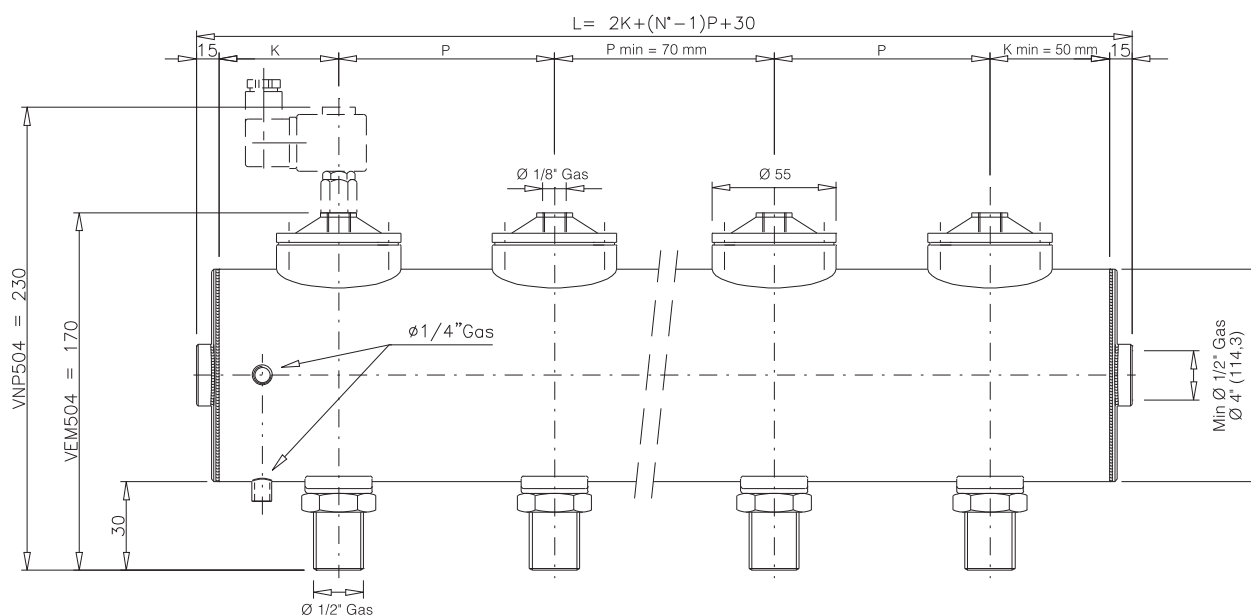
The advantage of utilising this new cleaning system is substantial cost savings in compressed air and a reduction in the interference of the filtering process by cleaning a smaller ratio of the filtration surface area.

Mecair always recommends that compressed air be dry, filtered and oil free.



DESCRIPTION and DIMENSIONS (mm.)

Mini - Full



$P \min = 70 \text{ mm.} / K \min = 50 \text{ mm.}$

GENERAL CHARACTERISTICS

| | |
|--------------------|--|
| Air | Filtered air and oil free |
| Diaphragm | Viton: $-30^{\circ}\text{C} / +200^{\circ}\text{C}$ Nitrile: $-40^{\circ}\text{C} / +120^{\circ}\text{C}$ |
| Operating pressure | From 0,5 to 6,0 bar |

SPARE PARTS

| | |
|-----------|------------|
| Pilot | CP 1/8 |
| Solenoid | SB3 - 24DC |
| Diaphragm | DB 14 |
| Spring | M470166 |

ELECTRICAL CHARACTERISTICS

| | |
|---------------------------|---|
| Coil insulation | Classe H |
| Connector | PG9 Connection |
| Specifies | EN175301 - 803 / A/ISO 4400 |
| Isolation class connector | VDE 0110 - 1/89 |
| Electrical protection | IP65 EN60529 |
| Voltage Range | 24V DC (-5% , $+20\%$) 12W |
| Ambient temperature | $-20^{\circ}\text{C} / +60^{\circ}\text{C}$ |

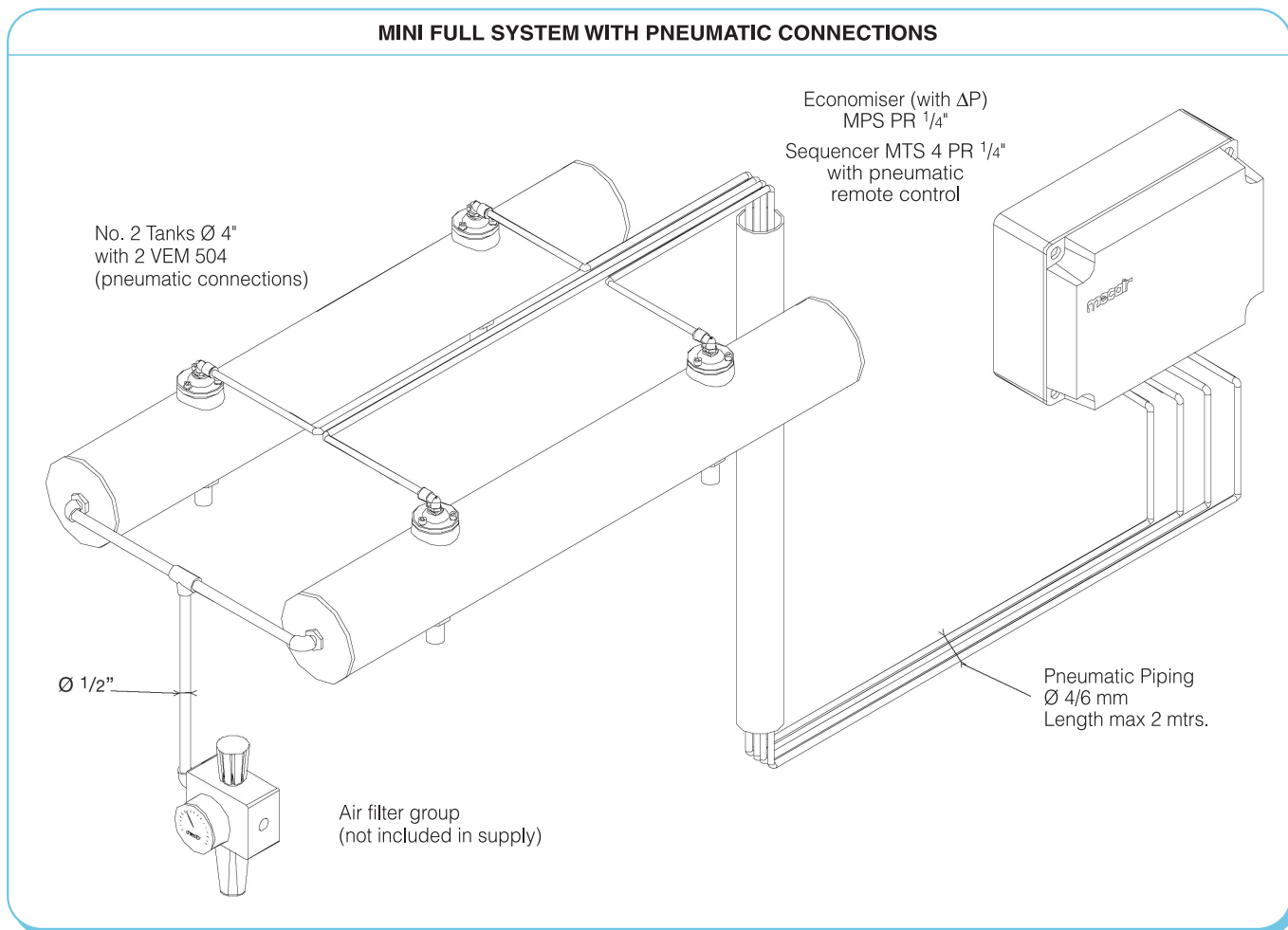
CONSTRUCTIVE FEATURES

| | |
|-------------------------|--------------------|
| Top Cover | Die cast aluminium |
| Body | Die cast aluminium |
| Pilot | Brass |
| Bolts and screws | Stainless steel |
| Diaphragm Backing plate | Nylon |
| Spring | Stainless steel |

DESCRIPTION

Mini - Full

MINI FULL SYSTEM WITH PNEUMATIC CONNECTIONS



Economiser with ΔP and pilot values incorporated (Max 12) type:

- MPS.. - PR 1/4" - Solenoid 24V/DC

Sequencer (with ΔP) and pilot valves incorporated (Max 12) type:

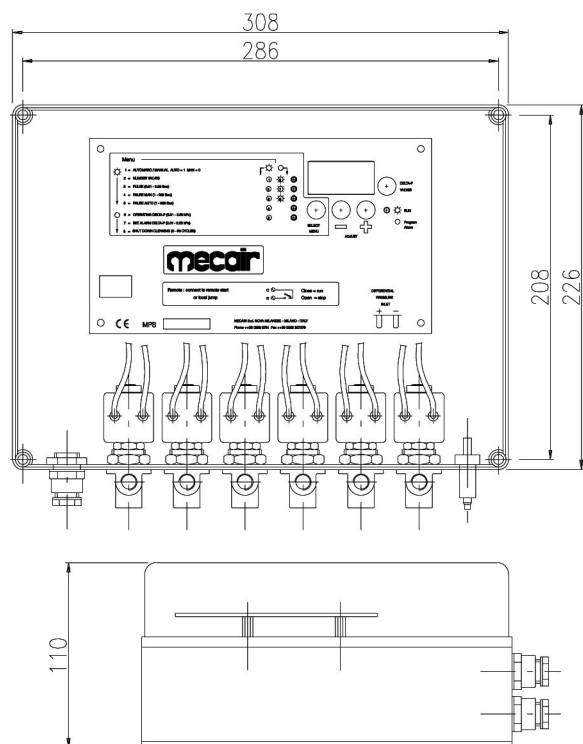
- MTS.. - PR 1/4" - Solenoid 24V/DC

Upon request, controllers are available certified in accordance to the European Directive 94/9/CE ATEX II 3 D (Zone 22).

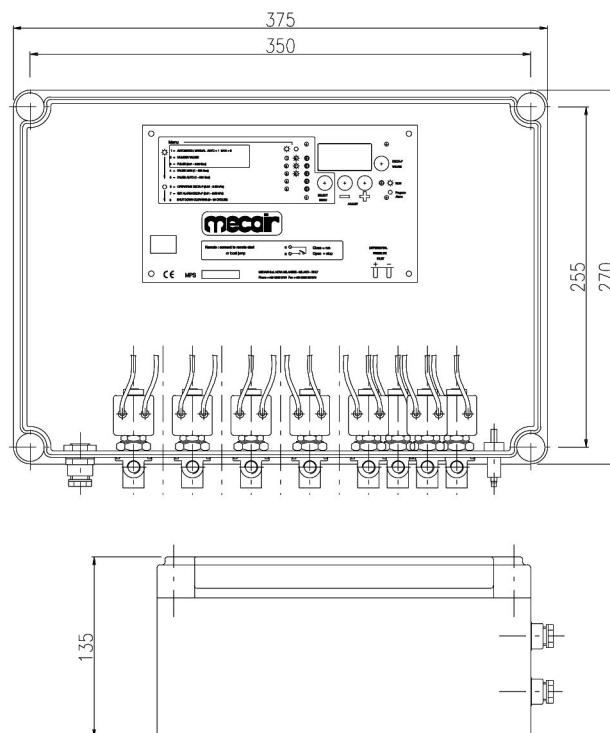
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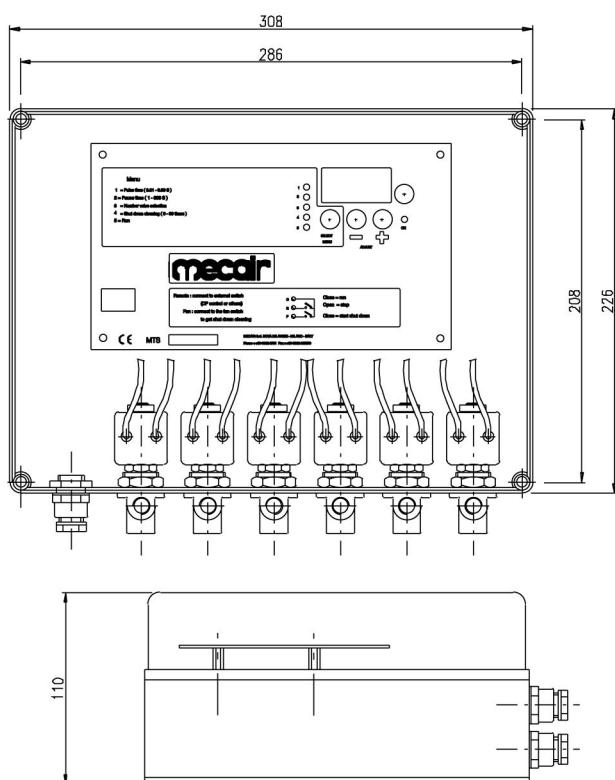
ECONOMISER MPS2 ÷ 6 - PR 1/4" WITH ΔP



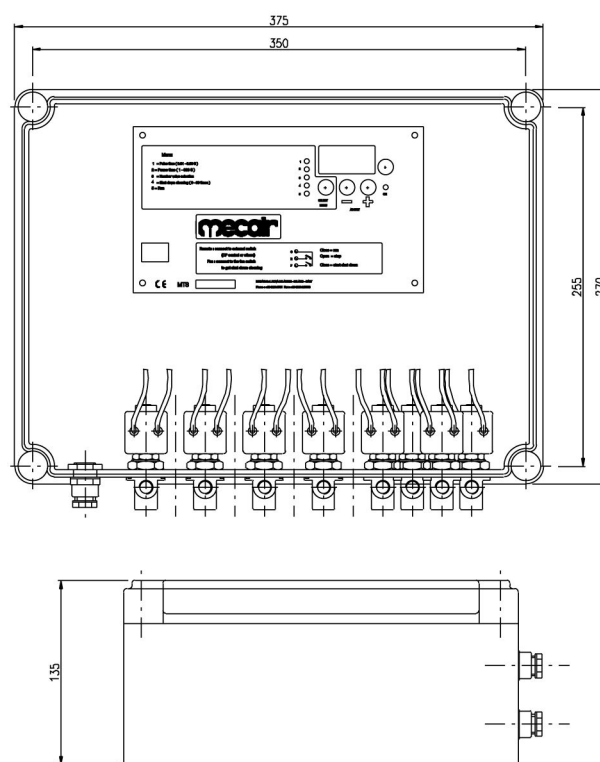
ECONOMISER MPS7 ÷ 12 - PR 1/4" WITH ΔP



SEQUENCER MTS2 ÷ 6 - PR 1/4"



SEQUENCER MTS7 ÷ 12 - PR 1/4"



CODE DESCRIPTION

Mini - Full

S **4** **C** **04** **N02** **P180**

S: TANK

4: TANK DIAMETER Ø4"

C: FULL IMMERSION

TYPE OF VALVE

- VEM 504 (remote connection)
- VNP 504 - 24V DC (electrical connection)

N: NUMBER OF VALVES

P: Distance between each valve

EXAMPLE OF HOW TO ORDER A COMPLETE SYSTEM OF:

n° 2 **Tank Mini Full Ø 4". Tank complete with n° 2 x 1/2" valves with pneumatic connections. Distance 400 mm.**

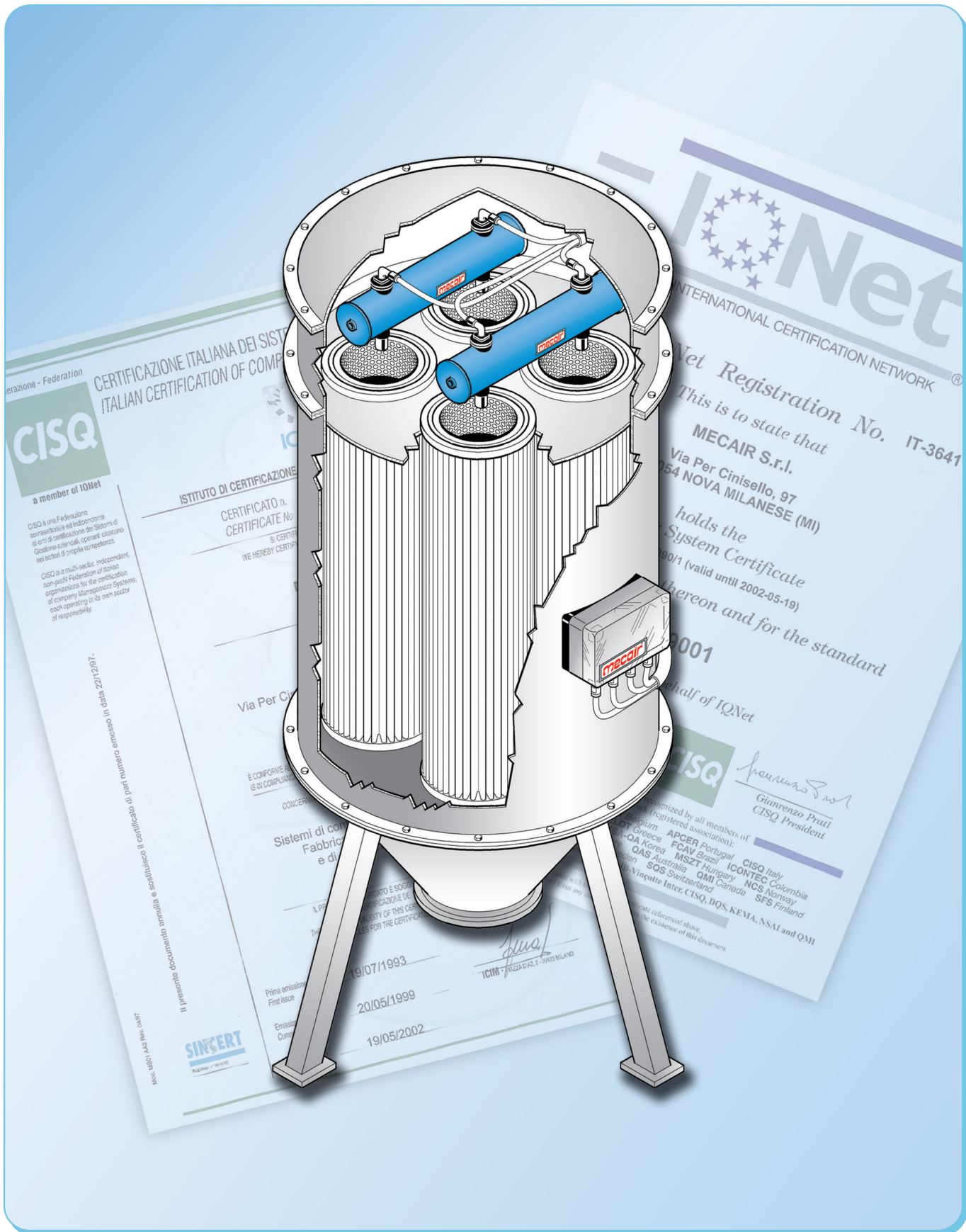
n° 2 $\left\{ \begin{array}{l} \text{S4CO4N02P400} \\ \text{n° 2 VEM504} \end{array} \right.$

n° 1 **Electronic Controller with ΔP complete with 4 remote pilots.**

n° 1 $\left\{ \text{MPS4PR1/4"} \right.$

MINI-FULL

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THE TOTAL SOLUTION PROVIDER

Mecair S.r.l.

Via per Cinisello 97
20054 Nova Milanese - Milano
ITALY

Tel.: +39 0362 3751

Fax: +39 0362 367279

email: mecair@mecair.it

www.mecair.it

www.cleanairsystems.com

EUROPE

• **Tyco Umwelttechnik**
Im Petersfeld 6
D-65624 Altendiez
GERMANY
Tel.: +49 6432 1001/1002
Fax: +49 6432 63810

• **Goyen Controls Co UK Ltd**
Unit 3B Beechwood
Chineham Business Park
Basingstoke, Hampshire, RG24 8WA
UNITED KINGDOM
Tel.: +44 1256 817 800
Fax: +44 1256 843 164

ASIA PACIFIC

• **Goyen Controls Co Pty Ltd**
268 Milperra Road
Milperra
NSW 2214 AUSTRALIA
Tel.: +61 2 9792 0201
Fax: +61 2 9771 5380

• **Goyen S.R.O.**
Shanghai Representative Office
2521 Zhao Feng World Trade Building
369 Jiang Su Road Shanghai 200050 CHINA
Tel.: +86 21 5239 8810
Fax: +86 21 5239 8812

USA

• **Goyen Valve Corporation**
1195 Airport Road
Lakewood
New Jersey 08701 USA
Tel.: +1 732 364 7800
Fax: +1 732 364 7839