

50 YEARS PROTECTING LIVES AND PROPERTY



COMBI MANIFOLD SYSTEM

I. Presentation

- Standard Manifold vs. *Combi Manifold System (CMS)*
- Uses

II. Comparative

- Advantages
- General schemes
- How to quote

III. Conclusions



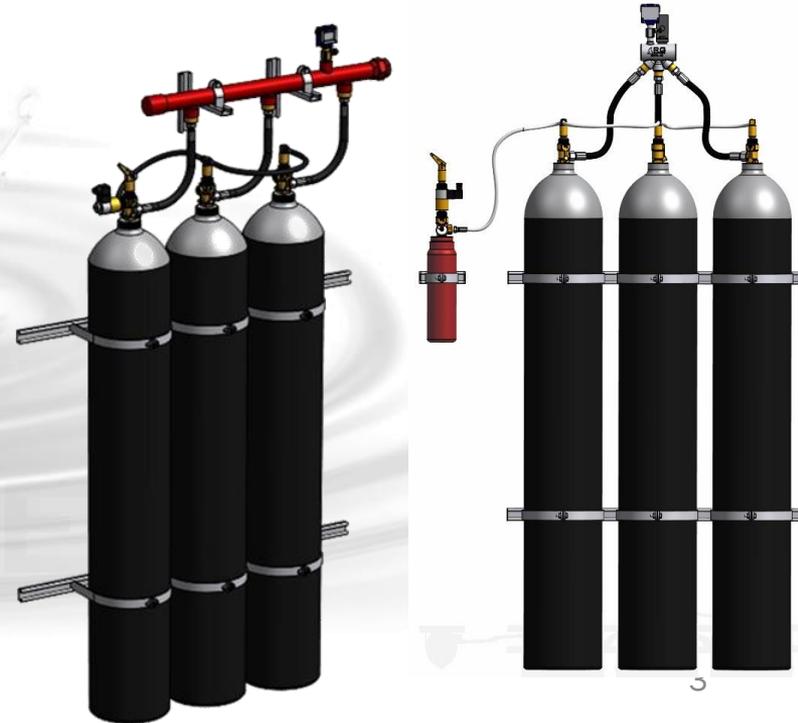
- **Combi Manifold System** [®]



Reduced manifold

- Stock advantages
- Lighter, easier to manipulate, quicker installation
- Reduces pressure losses

✓ Finished, mounted and approved



• Uses

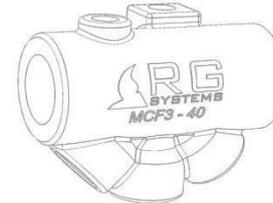
- Carbon dioxide systems
- Inert gases (all)
Constant Flow Technology only

• Models

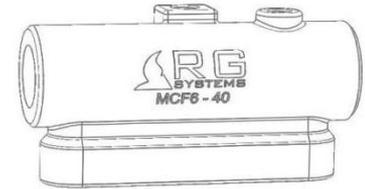
- **Inlets:** 2, 3, 4, 6, 10, 12 cylinders
- **Sizes:** 1", 1 1/4", 1 1/2", 2", 2 1/2", 3"
- Painted in red or zinc coating
- Includes check valves



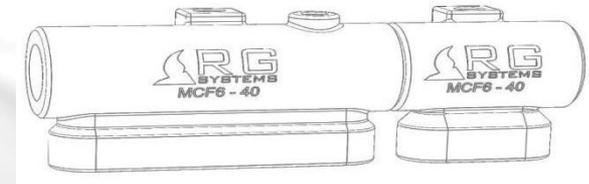
CMS-MCF2



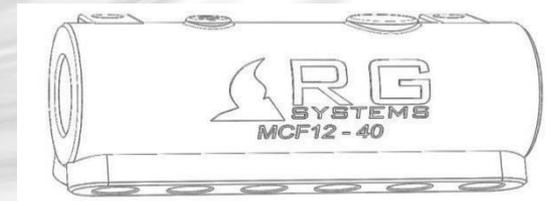
CMS-MCF3



CMS-MCF4



CMS-MCF6



CMS-MCF12

- **Meccano configuration**

Few components , plenty of options:

- Combi Manifold: 2, 3, 6, 10 12 inlets
- Discharge hoses
- Standard pipe (if necessary)
- Adaptors (if necessary)

Ø No.	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
2	✓					
3	✓	✓	✓			
4		✓				
6			✓			
10				✓		
12				✓	✓	✓

✓ Immediate shipment

✓ Great changes handling



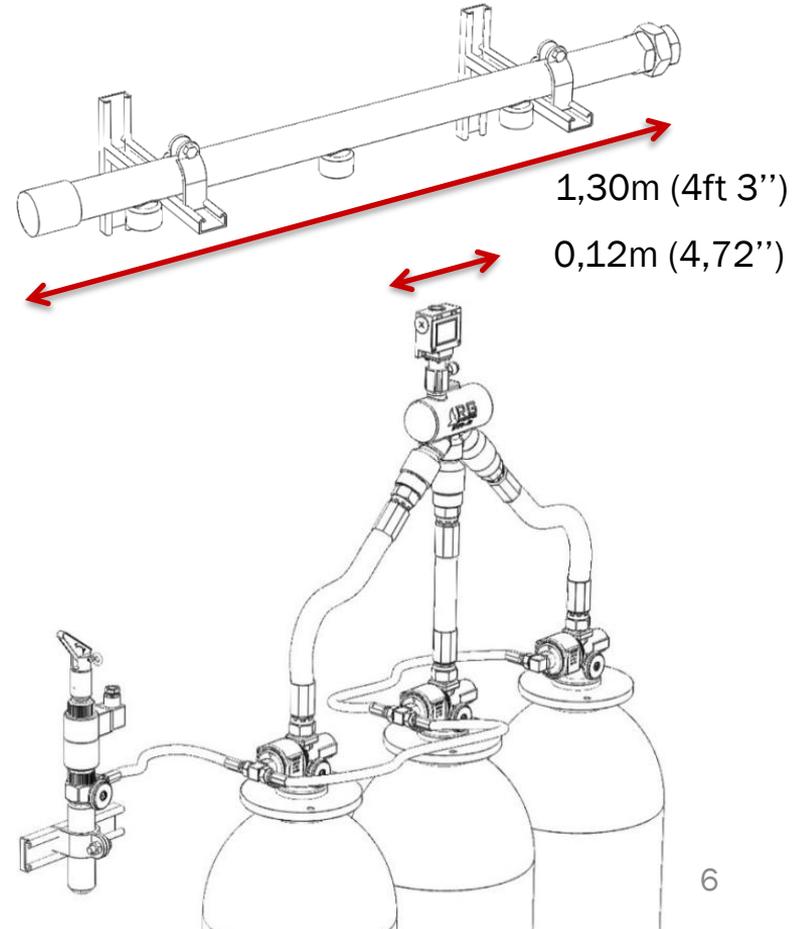
- **Ease of use**

Reduced manifold:

- Lighter
- More manageable
- Includes prefabricated holes
- Threaded union
- Less pressure losses (shorter)

✓ Quick assembly

✓ One person required

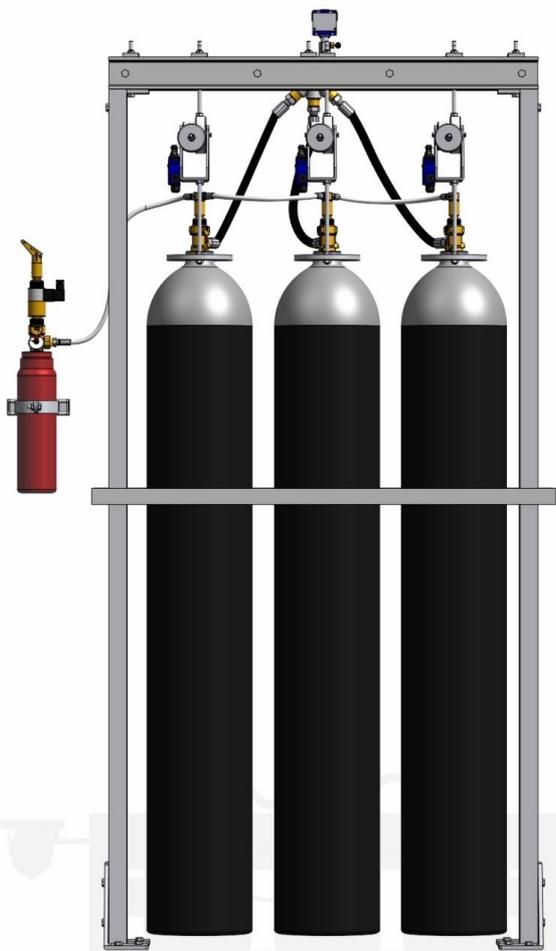


Cylinder bank in
simple row with CMS



Cylinder bank in
double row with CMS





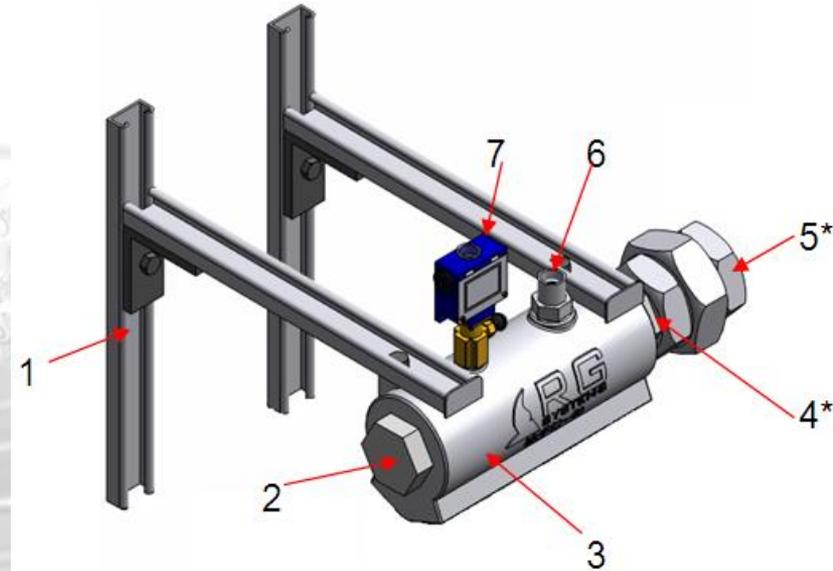
Cylinder bank, weighing device and CMS



- Typical configuration:

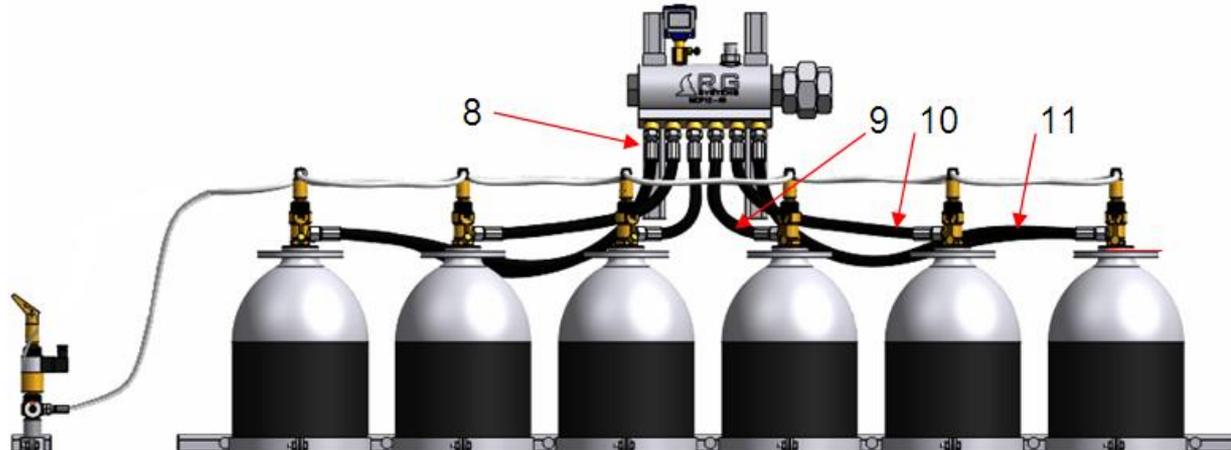
1. Brackets
2. Screw blockage CMS-CAPxxUF
3. Combi manifold CMS-MCFxx-xxUF
4. *Threaded adapter POTMMxxUF
5. *Union nut POTTU3000xxUF
6. *Pressure switch POINPREXXXUF
7. *Pressure relief valve VRECxxxUF / VRECOxxxUF

*Optional



- Typical configuration (II):

8. Check valve POVALANxxUF
9. Flexible hose 11 13/16 inch (300mm)
10. Flexible hose 27 9/16 inch (700mm)
11. Flexible hose 33 15/32 inch (850mm)



- Time reductions:
 - Adaptable configuration: easy to stock, quick to ship
 - Pre-assembled: no manufacturing delays
 - Flexibility to change
- Higher technical features
 - More compact: less pressure losses
 - Tested and approved
 - Components and weight reduction

HIGHER SAVINGS

– COMPONENTS

– WEIGHT

– TIME



+ COST EFFICIENCY

QUESTIONS?

Thank you for your time