

**50 YEARS** PROTECTING LIVES AND PROPERTY

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**COMBI MANIFOLD SYSTEM**

## I. Presentation

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

## II. Comparative

- Advantages
- General schemes
- How to quote

## III. Conclusions

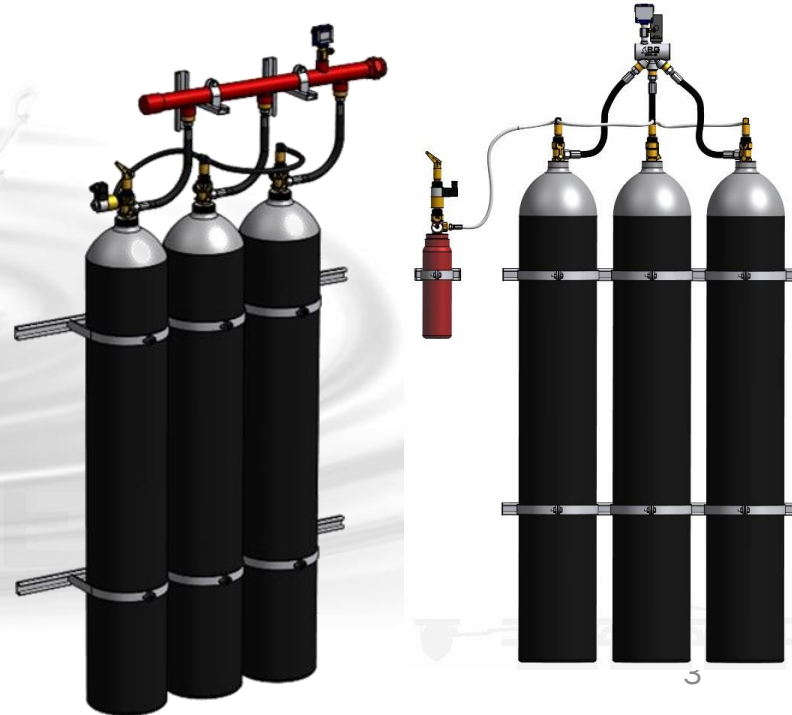


## • Combi Manifold System<sup>®</sup>

Reduced manifold

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

✓ Finished, mounted and approved

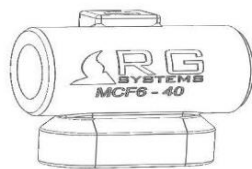


## • Uses

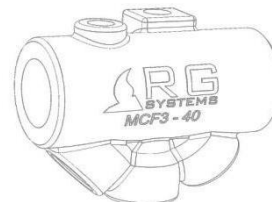
- Carbon dioxide systems
- Inert gases (all)  
*Constant Flow Technology only*

## • Models

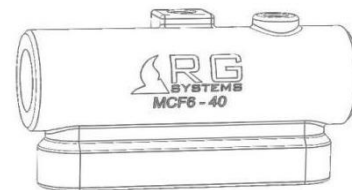
- Inlets: 2, 3, 4, 6, 10, 12 cylinders
- Sizes: 1", 1 1/4", 1 1/2", 2", 2 1/2", 3"
- Painted in red or zinc coating
- Includes check valves



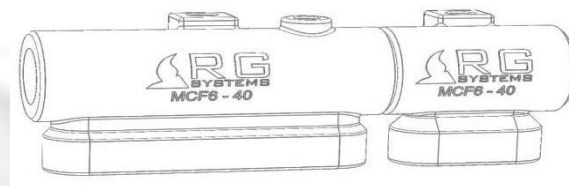
CMS-MCF2



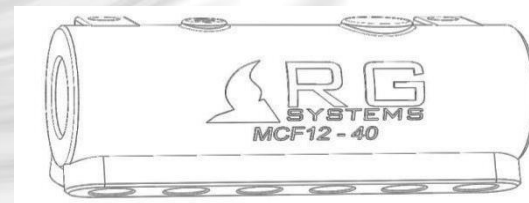
CMS-MCF3



CMS-MCF4



CMS-MCF6



CMS-MCF12

## • Meccano configuration

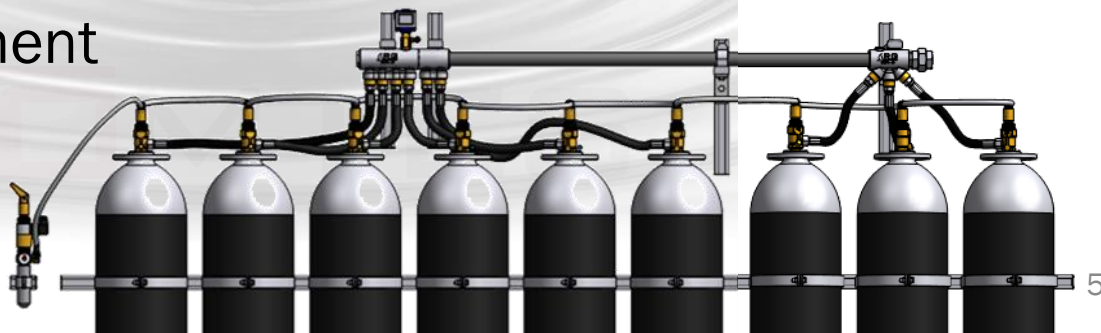
Few components , plenty of options:

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

Ø No.	1"	1 ¼"	1 ½"	2"	2 ½"	3"
2	✓					
3	✓	✓	✓			
4		✓				
6			✓			
10				✓		
12				✓	✓	✓

✓ Immediate shipment

✓ Great changes  
handling



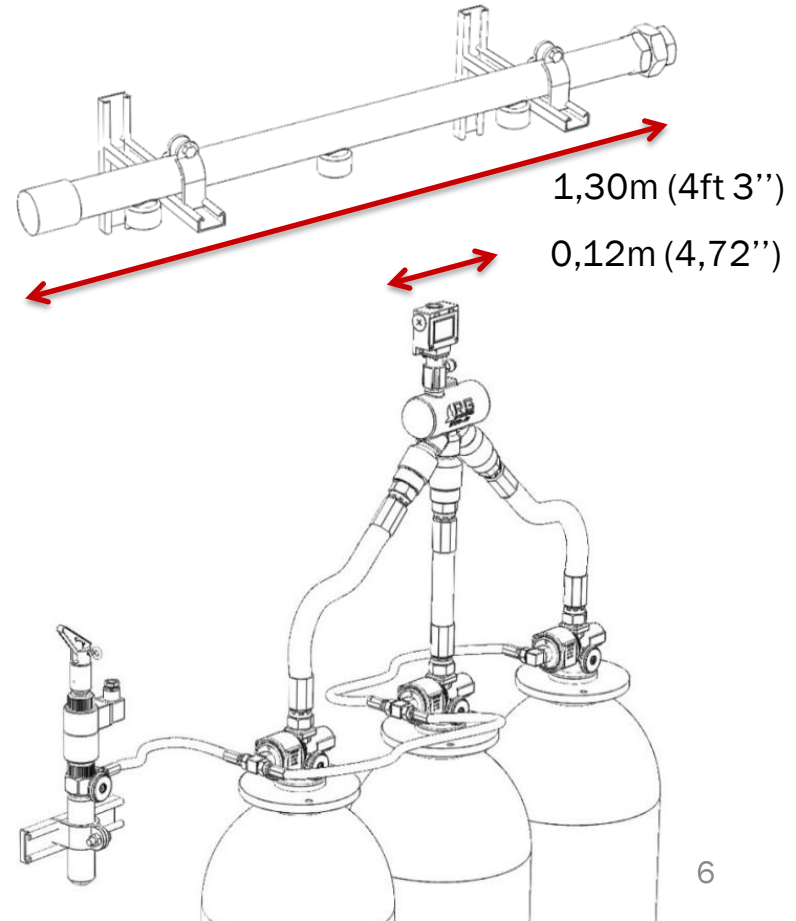
- **Ease of use**

Reduced manifold:

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

✓ Quick assembly

✓ One person required

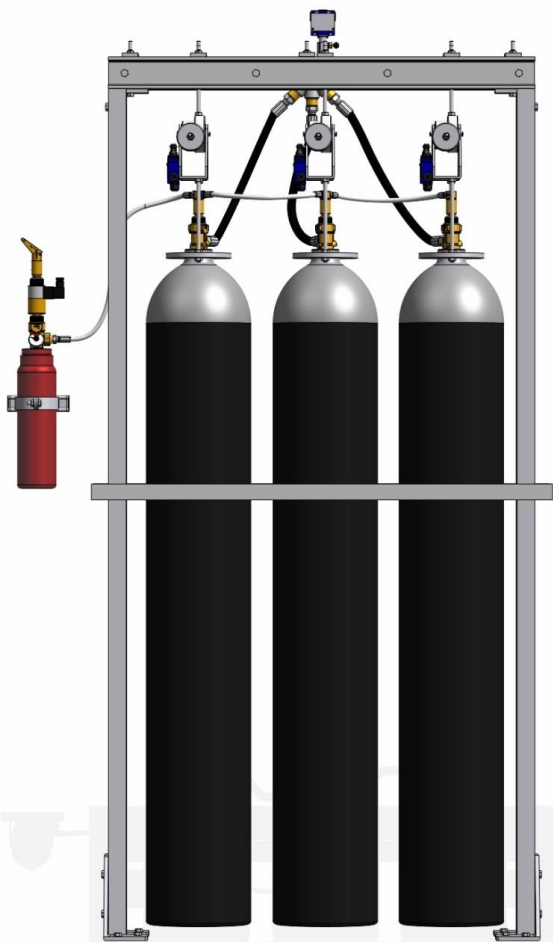


Cylinder bank in  
simple row with CMS

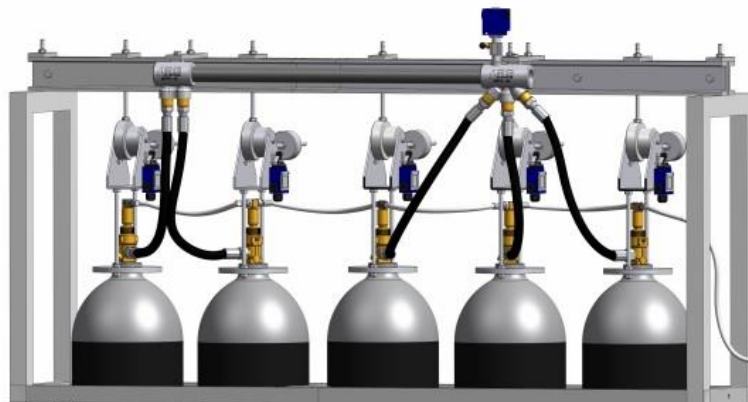


Cylinder bank in  
double row with CMS





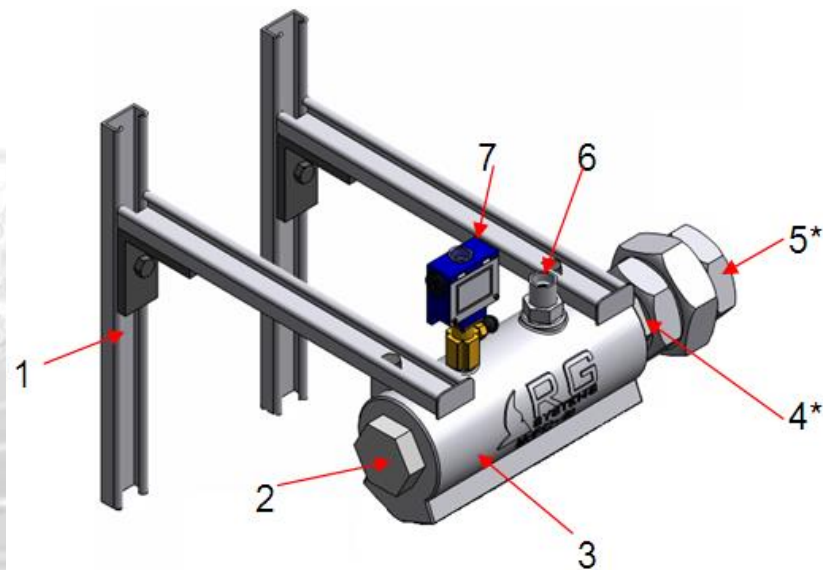
Cylinder bank, weighing  
device and CMS



- Typical configuration:

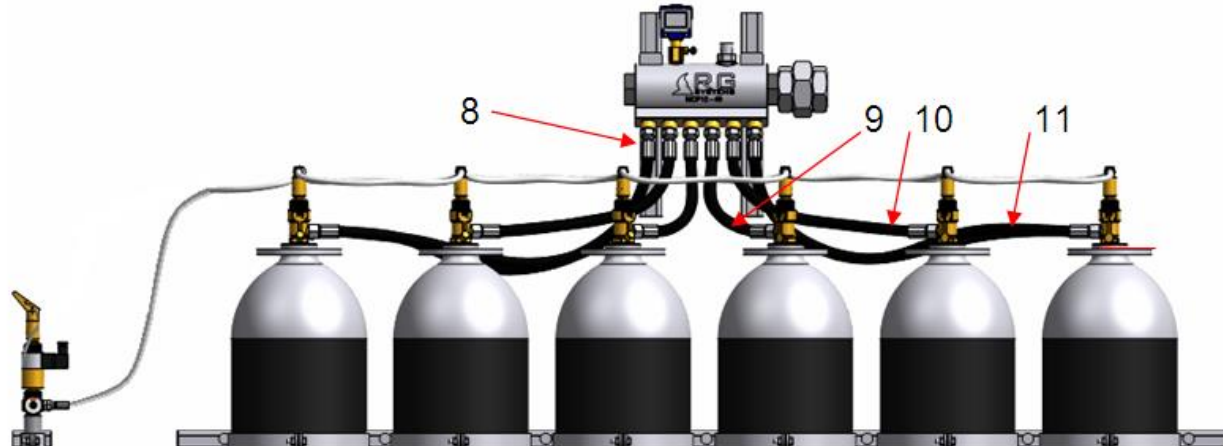
1. Brackets
2. Screw blockage CMS-CAPxxUF
3. Combi manifold CMS-MCFxx-xxUF
4. \*Threaded adapter POTMMxxUF
5. \*Union nut POTTU3000xxUF
6. \*Pressure switch POINPREXXXUF
7. \*Pressure relief valve VRECxxxUF / VRECOxxxUF

\*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