



# Inert gas extinguishing technology

## Manifold

### Manifold 140 bar - M400



### Approvals / CE marking



<sup>1)</sup> VdS and CE for the integrated check valve KRV-1

### SAP designation

e.g. part no. 915119: Manifold 140bar DN50-2-M400

### Maintenance

see technical description manifold 140bar DN50-...-M400  
part no. 915162

Designation	Part no.	Inlets	Weight kg (lbs)
Sammelrohr 140 bar - M400	DN50 - 2	915119	2 5.6 (12.4)
	DN50 - 3	915120	3 8.9 (19.6)
	DN50 - 4	915121	4 12.2 (26.9)

### Technical data

Type .....SAR 140 bar DN50-M400  
 Operating medium .....argon (IG-01), nitrogen (IG-100),  
 .....IG-55, IG-541, carbon dioxide (CO<sub>2</sub>)  
 Nominal diameter pipe .....DN50  
 check valve .....DN12  
 Working pressure .....140 bar (2030 psi)  
 Test pressure .....210 bar (3045 psi)  
 Temperature range .....-20 °C to +50 °C (-4 °F to 122 °F)  
 Screw coupling .....gas tight  
 Finish pipe .....steel, powder-coated or varnished  
 check valve .....brass  
 Manifold .....powder coated RAL7011 - iron grey  
 Thread and check valve .....without colour

### Product sheets also applying

Check valve KRV-1 .....PS 214-220\_002

### Application

The manifolds 140 bar - M400 may only be used in accordance with system approval in:

- argon, nitrogen, IG-55, IG-541 extinguishing systems with ConstantFlow (CF)
- stationary CO<sub>2</sub> high pressure fire extinguishing systems.

Manifolds are mounted directly on the cylinder rack to connect every extinguishing agent cylinder with the pipework.

### Function description

The manifolds are manufactured with 2 to 4 inlets. A maximum of 12 inlets can be assembled at random. Each inlet is equipped with a check valve which releases the extinguishing agent in flow direction and prevents the flow in the opposite direction.

### Marking

Serial number, test number

### Marking of the label

Typ/type: SAR 140 bar DN50-M400  
 Herstellungsdatum / date of production: Monat/Jahr (XX/XX)  
 Betriebsdruck / working pressure: 140 bar  
 Betriebstemperatur / operating temperature: -20/+50 °C  
 Address of the manufacturer (Minimax...), CE

### Included in delivery

Manifold complete with check valve  
 Technical description manifold 140bar M400 (de) .....915135  
 Technical description manifold 140bar M400 (en) .....915162  
 Technical description check valve KRV-1 (de/en) .....886309

### Not included in delivery

Cap KRV-2, G3/4" .....886402, PS 211-220\_006  
 (to closure check valves in the manifold e.g. for system pressure test)

### Fittings 2" (cap, socket, etc.):

- Fittings CO<sub>2</sub> / IG upstream piping - 200 bar .....see pipe coupling
- Fittings "PT" with pressure test upstream piping - 140 bar .....see pipe coupling

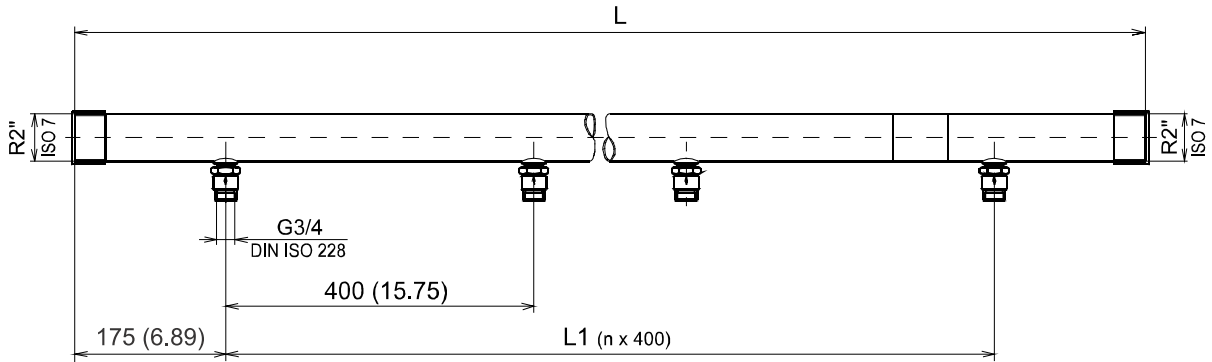


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## Manifold 140 bar - M400

### Dimension drawing

Dimensions in mm (inch)



Features	L	Number of distances n	L <sub>1</sub> (n x 400)
DN50 - 2	750 (29.53)	1	400 (15.75)
DN50 - 3	1150 (45.28)	2	800 (31.5)
DN50 - 4	1550 (61.02)	3	1200 (47.24)