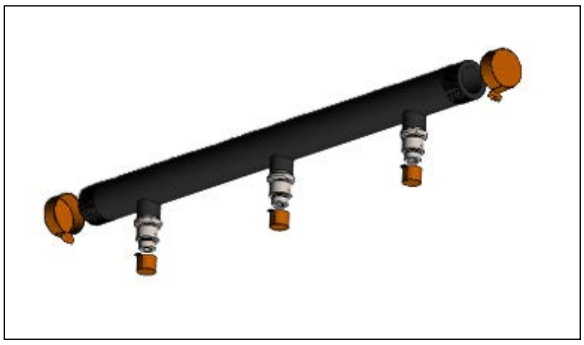
1. DESCRIPTION



The manifolds have a maximum working pressure of 5294 psi (365 bar) for PR and 920 psi (63.4 bar) for CF. Manifolds are mounted directly on the cylinder rack to connect every extinguishing agent cylinder with the pipe network.
The manifolds are manufactured with two and three inlets. A maximum of 18 inlets can be assembled in one row (see racking instruction in the Oxeo manuals for details). Each inlet is equipped with a check valve which releases the extinguishing agent in flow direction and prevents the flow in the opposite direction.

2. LISTINGS AND APPROVALS

cULus Listed: EX5248 (Oxeo PR and CF)

FM Approved: Oxeo PR and CF

NOTE: Only the check valve carries UL Listings and FM Approvals; the manifolds are considered standard pipe and therefore do not need lab approval.

3. TECHNICAL DATA

Specifications

Operating medium: Argon (IG-01), Nitrogen (IG-100)
Nominal diameters
- Pipe: 2"
- Check valve: 3/4"

Working pressure: PR - 5294 psi (365 bar); CF - 920 psi (63.4 bar)
Test pressure: PR - 7948 psi (548 bar); CF - 1500 psi (103.4 bar)
Temperature range: -4 °F to 122 °F (-20 °C to +50 °C)
Screw coupling: gas tight
Finishes
- Pipe: Steel, E-coated black
- Check valve: Steel, chemically nickel-plated

NOTE: All technical data for the manifold assembly is as specified in NFPA 2001.

Specifications for check valve:

Nominal diameter: DN12
Free cross-sectional area: 0.14 square inch (92 mm^2)
Working pressure: 5294 psi (365 bar)
Test pressure: 7948 psi (548 bar)
Pressure to open 1.45 psi (less than 0.1 bar)
Leak rate at 290 psi (20 bar): less than 20 bubbles per minute
Temperature change: -4 °F to 122 °F (-20 °C to +50 °C)
Check valve: complies with EN 12094-13
Material standards:
Housing: steel, chemically nickel-plated
Ball: stainless steel
Sealing: thermoplastic

Table 1-1: Specifications and Part Numbers

Designation		Part Number	Inlets
Manifold PR	2 out	25528	2
	3 out	25052	3

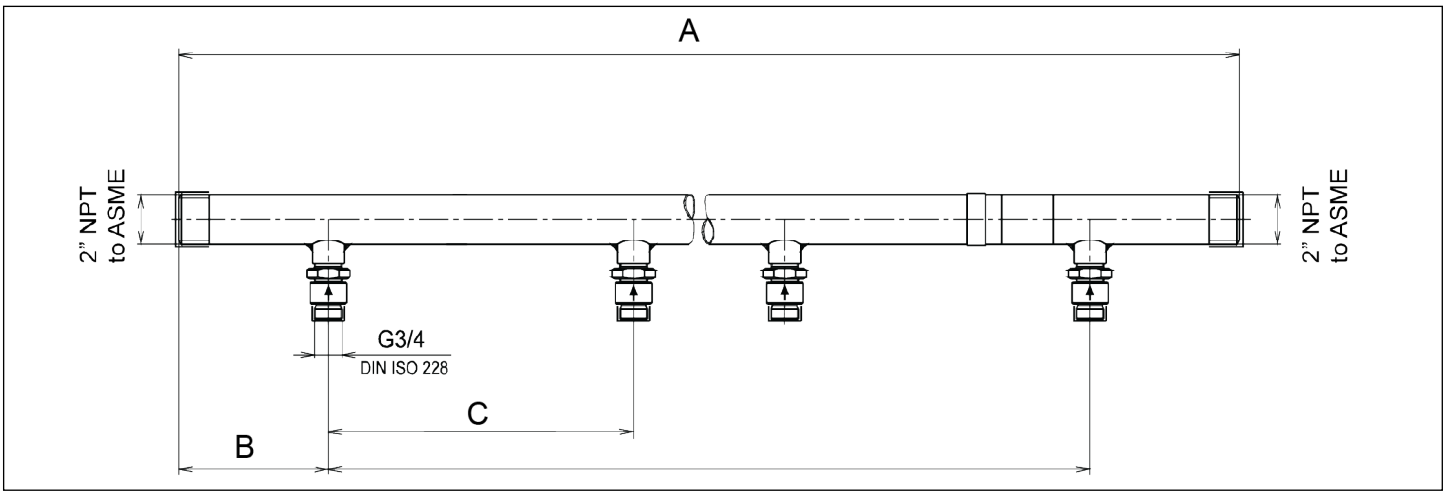


Figure – 1: Dimensions

Table 1-2: Dimensions

Outlets	Liters	A Inches (mm)	B Inches (mm)	C Inches (mm)
2	30/80	21.75 (552)	5.00 (127)	11.75 (298)
2	140	29.75 (756)	7.00 (178)	15.75 (400)
3	30/80	33.50 (851)	5.00 (127)	11.75 (298)
3	140	45.50 (1156)	7.00 (178)	15.75 (400)