

CLEAN AGENT FIRE EXTINGUISHING SYSTEM

NPT Hoses, Connections, and Miscellaneous Components

Minimax Fire Products Technical Services: (480) 553-5670 Email: mxtechsupport@minimaxfp.com

The technical data described herein is for components of the Minimax Fire Products MX 1230 and MX 200 Clean Agent Systems. For design, installation, and operation instructions, refer to the latest edition of the original source documents: For MX 1230 - Installation and Service Manual (Part No. 889327), Design Manual (Part No. 889334), and Operation Manual (Part No. 889325). Or, for MX 200 - Installation and Service Manual (Part No. 889331), Design Manual (Part No. 889336), and Operation Manual (Part No. 889329).

1. DESCRIPTION

Minimax Fire Products MX 1230 and MX 200 Fire Extinguishing Systems utilize hoses (or pipe) and NPT connections to attach the system's container assembly to the system's downstream nozzle pipeline.

• The NPT connection is used as an adapter between the cylinder valve and the pipeline, or between the hose and pipeline.

A flexible steel hose is available as an option:

- · Hose with straight connection
- Hose with 90° bend

The hose has steel connectors on both ends with two thread size options:

- 1-7/8" UN x 1-1/2" NPT (for use with the 55, 60, 130, and 140 lb. cylinder assemblies)
- 2-1/2" UN x 2" NPT (for use with 200, 220, 270, 280, 350, 370, 390, 450 and 500 lb. cylinder assemblies) For Multi Container Systems, a check valve is required between the hose and the manifold for each cylinder.

Multi Container Systems also utilize pilot line(s) to connect the master cylinder to an additional cylinder (and each consecutive cylinder). The last cylinder is required to have a **Pressure Malfunction Safety Assembly** for dissipating a slow increase in pressure.

NOTE: Each pilot line end and each pilot line safely valve connection requires a pilot line adapter.

2. LISTINGS AND APPROVALS

(U) UL Listed: Clean Agent Extinguishing System Unit

FM Approved: Clean Agent Fire Extinguishing System

3. TECHNICAL DATA Specifications

Hose Specifications

- Max. Operating Pressure: 870 psi (60 bar)
- Test Pressure (Hoses): 1,740 psi (120 bar)
- Burst Pressure (Hoses): 3,481 psi (240 bar)
- · Thread Sizes: Refer to Table 1
- Nominal Diameter (Hose): 1-1/2" or 2" (DN40 or DN50)
- Minimum Bend Radius: 19-1/2" (496 mm) for the 1-1/2" hose, 24-3/4" (629 mm) for the 2" hose
- Operating Temperature Range: 0°F to 122°F (-18°C to 50°C)

Material Standards

- Hoses: Steel, galvanized, with flexible fabric inserted steel hose line
- · NPT Connections and Adapters: Steel, galvanized
- Check Valve: Steel, galvanized, with stainless steel internal components
- Pilot Line: Rubber hydraulic hose with galvanized steel ends
- Pilot Line Adapter: Brass UNS-C36000
- Pilot Line Safety Valve: Brass UNS-C36000

Ordering Information: Refer to the part numbers in Table 1.

TABLE 1: PART NUMBERS		
	Description	Part No.
Valve to NPT Pipe Connections		
1-7/8" UN x 1-1/2" NPT		914154
2-1/2" UN x 2" NPT		914155
Straight Hose		
1-7/8" UN x 1-1/2" NPT		914140
2-1/2" UN x 2" NPT		914141
	90° Hoses	
1-7/8" UN x 1-1/2" NPT		912075
2-1/2" UN x 2" NPT		912076
Additional	Components Needed for Multi Containe	r Systems
Check Valve		
NPT Check Valve		912071
Pilot Line Hoses, Adapters, and Pilot Line Safety Valve		
Pilot Line Hoses	24" (600 mm) long	887834
	39" (1,000 mm) long	887835
	59" (1,500 mm) long	887836
	887644	
Pilot Line Safety Valve Kit		

Minimax Technical Data may be found on

Minimax Fire Products' Web site at

http://www.minimaxfp.com/.

The Web site may include a more recent

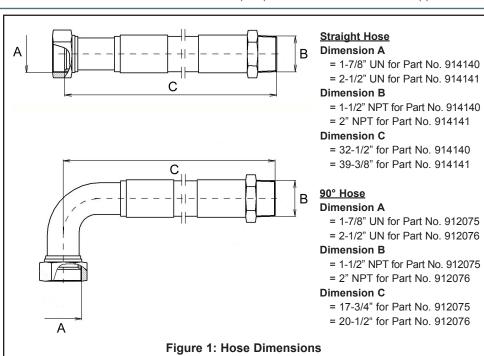
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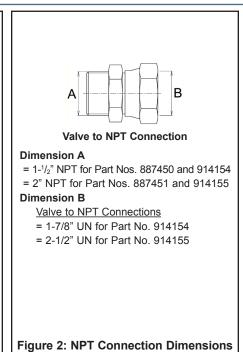


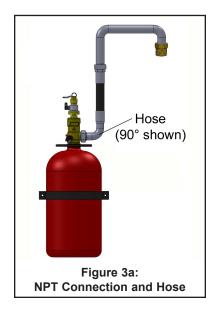
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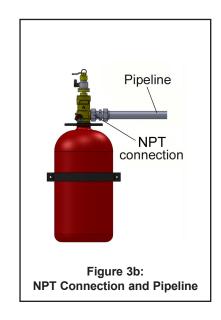
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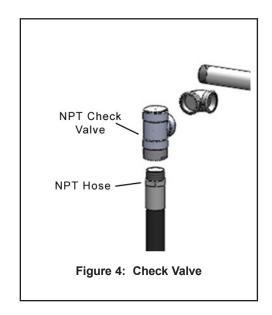
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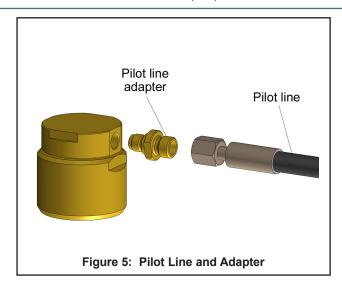


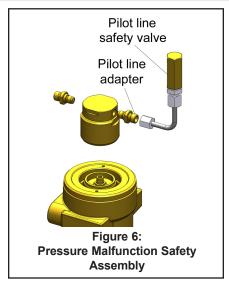


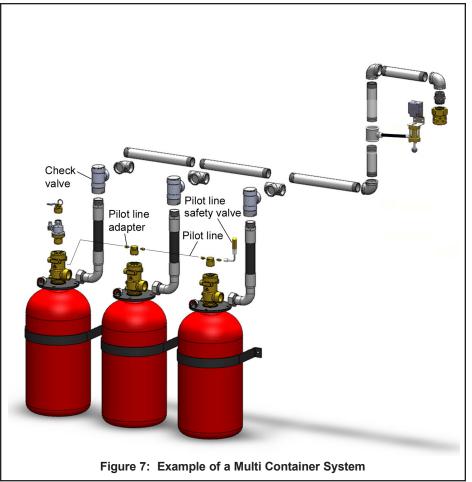
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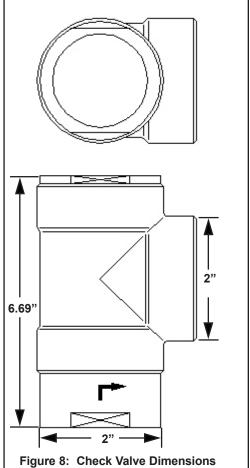
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