

Micromist[®] System Package

Product Overview

The Fike Micromist system package is offered in 267 and 423 liter (70 and 112) gallon configurations. The 70 gallon system consists primarily of one nitrogen cylinder and a water storage container. The 423 liter system has two nitrogen cylinders and one water storage container.

The nitrogen cylinders are charged to 128 barg (1850 psig) and fitted with a forged brass valve that is actuated with a solenoid valve. The solenoid valve is fitted with a pressure gauge (or optional switch) so the pressure inside the cylinder can be monitored. When nitrogen cylinders are actuated, the resulting air flows through a pressure regulating valve that is set at 22 barg (320 psig). This regulator is equipped with inlet and outlet gauges as required by NFPA 750.

The water storage container is not under pressure until the system is actuated. The water container utilises a 20mm (3/4") brass valve to control the flow of water to the system nozzles. The water container has a drain/fill valve and a vent valve to drain the water when necessary. A safety disc is also fitted on the water container which ruptures if the pressure inside reaches a pressure greater than 34 barg (500 psig).

The Micromist suppression system comes pre-packaged on a skid produced from 9.5mm (3/8") thick steel plate. The water cylinder is bolted to the skid and the nitrogen cylinder(s) are mounted to the water cylinder with straps. The skid is designed so it can be easily transported with a fork lift.



Fike[®]

SPECIFICATIONS

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| Part Numbers: | 267 liter (73-010 70 Gallon) Micromist System with Pressure Gauge 423 liter (73-011 112 Gallon) Micromist System with Pressure Gauge(s) 267 liter (73-001 70 Gallon) Micromist System with Pressure Gauge and NEMA 1 & 2 Low Pressure Switch 423 liter (73-002 112 Gallon) Micromist System with Pressure Gauge and NEMA 1 & 2 Low Pressure Switch(es) |
| Dimensions: | 70 Gallon: L - 47 1/2" (1.2m) x W - 29 1/2" (0.7m) x H - 66 3/4" (1.7m) 112 Gallon: L - 47 1/2" (1.2m) x W - 29 1/2" (0.7m) x H - 85 1/2" (2.7m) |
| Material: | Steel Cylinders with Brass Valves |
| Paint: | Nitrogen Cylinder - Red Gloss Baked Polyurethane Water Cylinder - Epoxy Coated Inside, Red Gloss Baked Polyurethane Outside |

APPROVALS

- DOT 4BW-500 WATER STORAGE CONTAINER
- DOT 3AA-2300 NITROGEN CYLINDER
- FM - J.I. 3000746

