

Halon Model H1301™ Recycling System

Purification of Halon 1301 or 1211

Recycles Halon to ASTM & MIL Specs

The Neutronics Model H1301

is the smallest, fastest and least expensive high-capacity Halon recycling machine available today. The Model H1301 is capable of extracting Halon 1301 or 1211 from High pressure vessels, purifying it to ASTM- D5632 or MIL-DTL-38741A specifications, pumping the purified Halon into storage containers. The Model H1301 provides affordable Halon recycling to a variety of fire protection markets such as: petroleum military, aerospace and more.

Totally Automatic Operation

Totally automated, the Model H1301 recovers in excess of 98% of system charged Halon. The user simply connects a vessel of unpurified Halon to the unit, and the system automatically regulates input pressure for high pressure liquid, high pressure gas and low pressure gas. It automatically vents nitrogen and stops when the receiving container is full.

Features

- Totally Automated
- Recycles Halon to ASTM-D5632 (1301) or MIL-DTL-38741A (1211).
- Lowest Cost High-Capacity System Available



Neutronics
Refrigerant Analysis

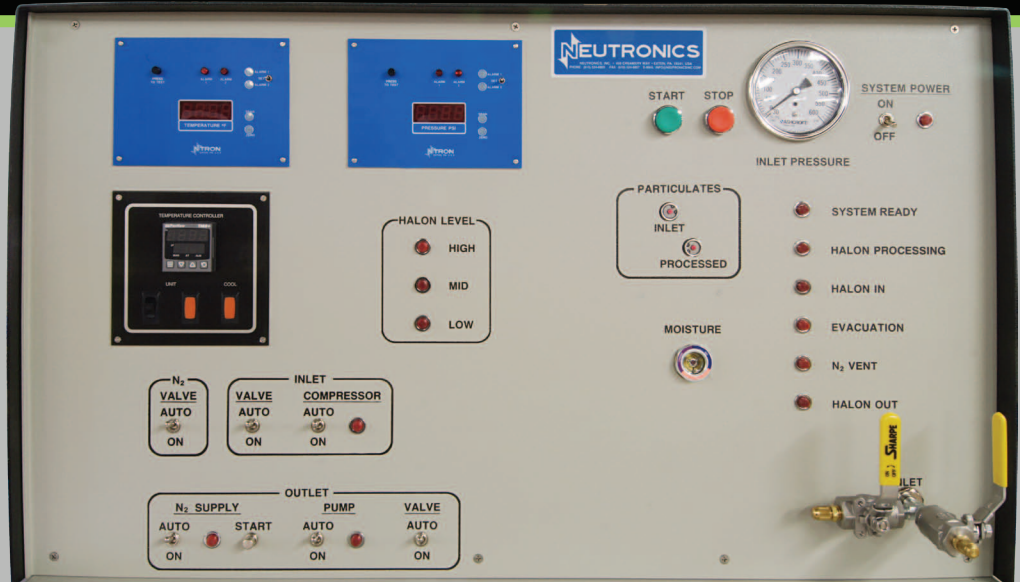
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Specifications

-100°F Temperature Assures Purity

A cascade refrigeration system provides cooler temperatures as low as -100°F, to assure complete liquification of Halon. At -60°F (-51°C), nitrogen gas is vented and clean Halon is pumped into storage containers ready for future use.



Power Requirements

205-225 VAC, single phase 60Hz
200-250 VAC, single phase 50Hz
9.0 KW Maximum Power Load
Other Configurations Available: Consult Neutronics

Recovery Performance

Halon Recovery Efficiency: over 98%
Nitrogen Removal Efficiency: over 99%
Nitrogen Removal: Cold Vented at -60°F (-51°C)
Average Recovery Rate: 2-4 lbs/min (0.9-1.8 kg/min)
Internal Capacity: 120 lbs (55 kg)
Maximum Input Pressure: 1000 PSIG

Physical Dimensions

Dimensions: 38" (0.965m) W
55" (1.397m) L
66" (1.676m) H
Weight: 1000 lbs (455kg.)

Filtration Performance

Acid Filter: 42 in³ (688 cm³)
Moisture Filters: 84 in³ (1376 cm³)
Moisture Indicator: Sight Glass
Particulate Retention: 98% of 1 micron (liquid)
98% of 0.4 micron (gas)
Particulate Filter Indicator: Pops out when filter is full

Halon Output Purity

ASTM D5632 for Halon 1301
MIL-DTL-38741A for Halon 1211

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