

STANDARD INFORMATION

Standard: UL 1450

Standard ID: Motor-Operated Air Compressors, Vacuum Pumps, and Painting Equipment [UL 1450:2010 Ed.4+R:16Apr2025]

Previous Standard ID: Motor-Operated Air Compressors, Vacuum Pumps, and Painting Equipment [UL 1450:2010 Ed.4+R:27May2021]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **April 16, 2027**

IMPACT, OVERVIEW, AND ACTION REQUIRED

Impact Statement: Per our accreditation, Intertek is required to review reports against the standard revisions to confirm compliance. Once compliance is confirmed, the standard reference in the report is updated to show continued compliance to the technical requirements of the standard. Reports not updated to this version by the effective date above will be withdrawn.

Overview of Changes: Addition of Supplement for fire sprinkler air compressors. Specific details of new/revise requirements are found in table below.

Current Listings Not Active? – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records. We will do this at no charge as long as Intertek is notified in writing prior to the review of your reports.



STANDARD INFORMATION

CLAUSE	VERDICT	COMMENT
		<i>Additions to existing requirements are <u>underlined</u> and deletions are shown lined-out below.</i>
Supplement SC		<i>New supplement added;</i>
		FIRE SPRINKLER AIR COMPRESSORS
SC1		Scope
SC1.1		This Supplement covers fire sprinkler air compressors. The requirements in this Supplement are in addition to the requirements in Sections 1 – 73.
		CONSTRUCTION
SC2		General
SC2.1		A motor-operated air compressor intended for use with sprinkler systems shall be provided with a means to be permanently connected to a wiring system with only a hard-wired connection allowed.
SC2.2		Parts subject to pressure – A motor-operated air compressor intended for use with sprinkler systems shall be tested at a pressure corresponding to five times the maximum relief valve setting.
SC2.3		A motor-operated air compressor intended for use with sprinkler systems shall be provided with a pressure relief valve as the only means to relieve pressure.
SC2.4		For a motor-operated compressor intended for use with sprinkler systems, a pressure-regulating control switch shall perform under rated load for 100,000 cycles of operation with no shift in calibration greater than 5 percent above initial calibration pressure setting. An adjustable pressure-regulating control switch is to be tested at its highest pressure setting unless the adjusting means is reliably sealed, to prevent tampering, at a lower setting.
		MARKING
SC3		Details
SC3.1		A motor-operated air compressor intended for use with sprinkler systems shall be marked with the maximum rated operating pressure.
SC3.2		A fire sprinkler air compressor product shall be marked with the following text: "This Air Compressor Has Been Evaluated for Fire Sprinkler Use According to UL 1450, SUPPLEMENT SC".
SC3.3		A product shall not be marked with any text that would imply it is suitable for use as a fire sprinkler compressor unless it complies with the applicable requirements in Supplement SC.



CLAUSE	VERDICT	COMMENT
SC3.4		For a motor-operated compressor intended for use with sprinkler systems, the instructions shall indicate that the compressor is intended to be installed in accordance with the Standard for Installation of Sprinkler Systems, NFPA 13.