



**TECHNICAL
INFORMATION**

PROJECT: _____
 LOCATION: _____
 ARCHITECT: _____
 ENGINEER: _____
 SALES ENGINEER: _____
 DATE: _____

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SPRING RETRACTABLE HOSE REEL SPECIFICATION
SERIES 9000

The vehicle exhaust extraction system shall consist of an Automatic Spring Hose Reel, designed for manual extension and spring return of high temperature flexible exhaust hose.

The Hose Reel shall consist of the following features: The hose reel side plate mounting support frame shall be constructed of 11 gauge cold rolled steel. The side plates shall be drawn securely together and retained by heavy gauge "J" channel steel support braces. These support braces keep the side plates square and solid.

The hose reel drum shall be constructed of 16 gauge cold rolled steel. The drum shall be formed and rolled to an 18" diameter and strengthened by four inner support bars. These bars are secured to the drum end flanges and pull the drum tightly against the end flange.

The drum end flanges shall be constructed of 16 gauge cold rolled steel. The end flange outer edge shall be rolled to provide strength and rigidity. Each end flange shall have a center pressed 18" diameter groove. This groove allows the reel drum and end flange to mate so the drum's inner support bars draw the end flange securely to the drum. This unique design feature offers added strength, quality and reliability.

Powder Coating: All steel parts are painted with a 2 to 4 mil thick P&L virlalon polyester red powder coating for longevity and to resist corrosion.

The hose reel shall have a hose to drum connection fitting allowing for use of either 4", 5", 6", or 8" hose. The connection fitting supports an inner 6" or 8" diameter tube that completes the connection from the connection of 6" or 8" diameter discharge duct. The hose reel drum shall also be supplied with a hose tracking bar to guide the hose during the recoiling function.

The hose reel function shall consist of a spring cassette housing containing a high carbon drive spring. The activation of the manual extension and spring return is by a Lock and Latch feature.

The necessary length of hose desired can be locked in place and the hose is automatically retracted after use. The hose reel functions of uncoiling and recoiling of the hose shall be by direct pulling on the extraction hose. The reel shall have an adjustable hose stop to set the hose at the desired recoiling height. This stop shall be mounted to the extraction hose.