

# NSGV (MHR) MOTORIZED HOSE REEL SPECIFICATION

**GENERAL DESCRIPTION:** The Motorized Operated Hose Reel (MHR) is ideally suited for applications where tubing needs to be stored on the hose reel drum. The high quality direct drive asynchronous motor raises and lowers the tube via a hanging pendant switch. This design allows the tubing to be extended to a desired length, providing unhindered use of the uncoiled tubing length. The MHR can be mounted on a wall, ceiling, or in special cases, on a portable cart. The MHR is the most user friendly means of storing flexible tubing to prevent "hang down", which may create possible overhead obstructions. The MHR can be utilized with 3", 4", 5", 6" and 8" diameter flexible tube enabling it to work for virtually any type of application. While the 3", 4", 5", and (6" < 20'-0") Ø MHR will utilize a 120v single-phase motor, the (6" > 20'-0"), and 8"Ø MHR will utilize a single-phase 220v motor.

## MAXIMUM TUBING STORAGE CAPACITIES:

|                     |        |
|---------------------|--------|
| 3"Ø Tubing: MHR-3XX | 47'-0" |
| 4"Ø Tubing: MHR-4XX | 44'-0" |
| 5"Ø Tubing: MHR-5XX | 37'-0" |
| 6"Ø Tubing: MHR-6XX | 32'-0" |
| 8"Ø Tubing: MHR-8XX | 25'-0" |

## FLEXIBLE TUBING OPTIONS:

|       |                      |
|-------|----------------------|
| RW    | See page No. 2006-52 |
| NS    | See page No. 2006-54 |
| XT-65 | See page No. 2006-53 |
| BB    | See page No. 2006-55 |
| HT    | See page No. 2006-56 |

**Note:** These are standard size reels. Please consult factory for larger diameter reels.

## TAILPIPE ADAPTER OPTIONS:

|               |  |
|---------------|--|
| Tapered Cone: | Recommended for standard vehicle tailpipe applications. (For 3"Ø and larger tube) See NSGV Page No 2006-105  |
| CTA:          | Recommended when the vehicle tailpipe is not conducive to a standard cone adapter or a more positive attachment is required. (For 4", 5", 6", & 8"Ø tube) See NSGV Page No. 2006-109 |
| 48 Series:    | Recommended for vertical stack exhaust applications. (For 5", 6", & 8"Ø tube) See NSGV Page No. 2006-110   |
| NK-30:        | Recommended for crush resistance. (For 3" & 4"Ø tube) See NSGV Page No. 2006-108   |

## SUGGESTED SPECIFICATION

The MHR Motorized Hose Reel shall store \_\_\_\_\_ feet of \_\_\_\_\_ inch diameter, NSGV type \_\_\_\_\_ flexible tube. The adapter shall be a NSGV Model No. \_\_\_\_\_. The hose reel body shall be supported by two side plate mounting supports constructed of 11gauge formed steel and drawn securely together by two 11 gauge "J" channel steel support braces.

- The hose reel housing is equipped with a single-phase 120v or 220v direct drive asynchronous motor. For ease of operator use, there will be a hand held pendant switch hanging down to operator height. This feature will allow the operator to raise and lower the flexible tubing while holding the adapter, eliminating swinging of the tube.
- The hose reel drum is constructed of 16 gauge cold rolled steel. The drum shall be centered on two rolled edge end plates via an 18"Ø groove, allowing the drum to be securely locked in place. For added strength, the hose reel must have a minimum of 4 inner support bars that draw the end plates securely to the drum. To guide the flexible tubing evenly onto the reel with no overlapping, the drum shall be equipped with a hose tracking bar.
- The hose reel shall have a cast aluminum hose-to-drum fitting allowing for the connection of 3", 4", 5", 6", or 8"Ø flexible tube. Flanged connections are not acceptable.
- To assure a constant velocity of air movement through the drum there shall be a continuous 6"Ø or 8"Ø airtight aluminum flexible duct that is connected to the hose-to-drum fitting and continues to the discharge duct. The side discharge fitting is a complete bearing fitting allowing for turning of the hose reel and the connection of 6" or 8"Ø duct.
- An industrial grade protective powder coating will be baked on to insure a corrosion and abrasion resistant finish for atmospheric protection to the hose reel housing as well as the drum, supports, and hanging brackets.
- (Insert flexible tube specification here)
- (Insert adapter specification here)

The MHR hose reel shall be a standard product of National System of Garage Ventilation (NSGV) in Decatur, IL or approved equal.

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