



# ME850SS

## Hose End Swivel Valve Installation Instructions



### WARNING

Failure to follow these instructions or to properly install and maintain this equipment could result in (a) personal injury or death and (b) an explosion and/or fire causing property damage.

**CAUTION:** Contact or inhalation of liquid propane, anhydrous ammonia or their vapors can cause serious injury or death! Disperse propane or ammonia only in accordance with local regulations. To prevent exposure of LP-Gas or NH<sub>3</sub> to people and livestock when allowed by regulations, release these chemicals outdoors in air currents that will ensure dispersion. Keep LP-Gas far enough from any open flame or other source of ignition to prevent fire or explosion! LP-Gas is heavier than air and may not disperse or evaporate quickly if released in still air.

Install, operate and maintain Marshall Excelsior Co. equipment in accordance with federal, state, and local codes and these instructions. The installation in most states must also comply with NFPA #58 LP-Gas Code, ANSI K61.1 and DOT standards.

Only personnel trained in the proper procedures, codes, standards and regulations of the Anhydrous Ammonia and LP-Gas industries should install and service this equipment.



**WARNING:** These products contain a chemical known to the state of California to cause cancer and birth defects or reproductive harm

### INTRODUCTION

#### SCOPE OF INSTRUCTIONS

These instructions cover ME850SS series hose end swivels. These swivels connect to hose end valves like the ME800 series allowing for easy orientation of the hose end valve during connection to the customer's tank during filling operations.

#### DESCRIPTION

The ME850SS series hose end swivels are available in combinations of ¾" and 1" NPT connections. Materials of construction consist primarily of stainless steel with high tech polymer seal rings, nitrile O-rings and neoprene dust seals.

- Type ME850SS-6 — ¾" FNPT Inlet x ¾" MNPT Outlet
- Type ME850SS-6/8 — ¾" FNPT Inlet x 1" MNPT Outlet
- Type ME850SS-8 — 1" FNPT Inlet x 1" MNPT Outlet
- Type ME850SS-8/6 — 1" FNPT Inlet x ¾" MNPT Outlet

### INSTALLATION

#### WARNING

Release all system pressure before removing any existing hose end valve from the hose assembly. Failure to do so could result in personal injury. Use proper safety equipment at all times. Completely purge the system of all LP-Gas or NH<sub>3</sub>.

**Marshall Excelsior Co.**

1506 George Brown Drive Marshall, MI 49068  
Phone (269) 789-6700 Fax (269) 781-8340



# ME850SS

## Hose End Swivel Valve Installation Instructions



### WARNING

Failure to follow these instructions or to properly install and maintain this equipment could result in (a) personal injury or death and (b) an explosion and/or fire causing property damage.

**CAUTION:** Contact or inhalation of liquid propane, anhydrous ammonia or their vapors can cause serious injury or death! Disperse propane or ammonia only in accordance with local regulations. To prevent exposure of LP-Gas or NH<sub>3</sub> to people and livestock when allowed by regulations, release these chemicals outdoors in air currents that will ensure dispersion. Keep LP-Gas far enough from any open flame or other source of ignition to prevent fire or explosion! LP-Gas is heavier than air and may not disperse or evaporate quickly if released in still air.

Install, operate and maintain Marshall Excelsior Co. equipment in accordance with federal, state, and local codes and these instructions. The installation in most states must also comply with NFPA #58 LP-Gas Code, ANSI K61.1 and DOT standards.

Only personnel trained in the proper procedures, codes, standards and regulations of the Anhydrous Ammonia and LP-Gas industries should install and service this equipment.



**WARNING:** These products contain a chemical known to the state of California to cause cancer and birth defects or reproductive harm

### INTRODUCTION

#### SCOPE OF INSTRUCTIONS

These instructions cover ME850SS series hose end swivels. These swivels connect to hose end valves like the ME800 series allowing for easy orientation of the hose end valve during connection to the customer's tank during filling operations.

#### DESCRIPTION

The ME850SS series hose end swivels are available in combinations of ¾" and 1" NPT connections. Materials of construction consist primarily of stainless steel with high tech polymer seal rings, nitrile O-rings and neoprene dust seals.

- Type ME850SS-6 — ¾" FNPT Inlet x ¾" MNPT Outlet
- Type ME850SS-6/8 — ¾" FNPT Inlet x 1" MNPT Outlet
- Type ME850SS-8 — 1" FNPT Inlet x 1" MNPT Outlet
- Type ME850SS-8/6 — 1" FNPT Inlet x ¾" MNPT Outlet

### INSTALLATION

#### WARNING

Release all system pressure before removing any existing hose end valve from the hose assembly. Failure to do so could result in personal injury. Use proper safety equipment at all times. Completely purge the system of all LP-Gas or NH<sub>3</sub>.

**Marshall Excelsior Co.**

1506 George Brown Drive Marshall, MI 49068  
Phone (269) 789-6700 Fax (269) 781-8340

Apply UL approved sealant to the male outlet threads of the swivel. Do not allow excess sealant to drip into the container or flow around the bottom edge of the pipe threads.

Install the swivel into the hose end valve turning clockwise. Use the wrench flats on the MNPT end of the swivel to tighten the unit onto the hose end valve.

Install the hose assembly into the swivel. Use the wrench flats on the FNPT end to tighten the swivel into the hose assembly.

Check for leaks at the inlet and outlet connections of the swivel installation by applying Marshall Excelsior Co. "Leak Detector" to the joints while the assembly is under pressure.

**CAUTION - Do not use the assembly if any joint continues to leak under pressure.**

**MAINTENANCE**

Marshall Excelsior Co. recommends an annual inspection of the swivel under normal service conditions. Clean the swivel and inspect for any excessive wear or damage that might affect performance. Replace unit if necessary.

Remove the unit from use and replace the seal assembly (Marshall Excelsior Co. Part No. ME850SSR) should any leakage occur in the middle joint of the swivel while the hose assembly is under pressure.



Apply UL approved sealant to the male outlet threads of the swivel. Do not allow excess sealant to drip into the container or flow around the bottom edge of the pipe threads.

Install the swivel into the hose end valve turning clockwise. Use the wrench flats on the MNPT end of the swivel to tighten the unit onto the hose end valve.

Install the hose assembly into the swivel. Use the wrench flats on the FNPT end to tighten the swivel into the hose assembly.

Check for leaks at the inlet and outlet connections of the swivel installation by applying Marshall Excelsior Co. "Leak Detector" to the joints while the assembly is under pressure.

**CAUTION - Do not use the assembly if any joint continues to leak under pressure.**

**MAINTENANCE**

Marshall Excelsior Co. recommends an annual inspection of the swivel under normal service conditions. Clean the swivel and inspect for any excessive wear or damage that might affect performance. Replace unit if necessary.

Remove the unit from use and replace the seal assembly (Marshall Excelsior Co. Part No. ME850SSR) should any leakage occur in the middle joint of the swivel while the hose assembly is under pressure.



The contents of this publication are for informational purposes only. While every effort has been made to ensure accuracy, these contents are not to be construed as warranties or guarantees, expressed or implied, regarding the products or services described herein or for their use or applicability. Marshall Excelsior Co. reserves the right to modify or improve the designs or specifications of such products at any time without notice. The MEC<sub>™</sub> logo is the trademark of Marshall Excelsior Co.

The contents of this publication are for informational purposes only. While every effort has been made to ensure accuracy, these contents are not to be construed as warranties or guarantees, expressed or implied, regarding the products or services described herein or for their use or applicability. Marshall Excelsior Co. reserves the right to modify or improve the designs or specifications of such products at any time without notice. The MEC<sub>™</sub> logo is the trademark of Marshall Excelsior Co.