

# Maintenance & Best Practices

## SCULFLOW® DELIVERY NOZZLE EUROPE



**scully**

July 2024

# NOZZLE BEST PRACTICES



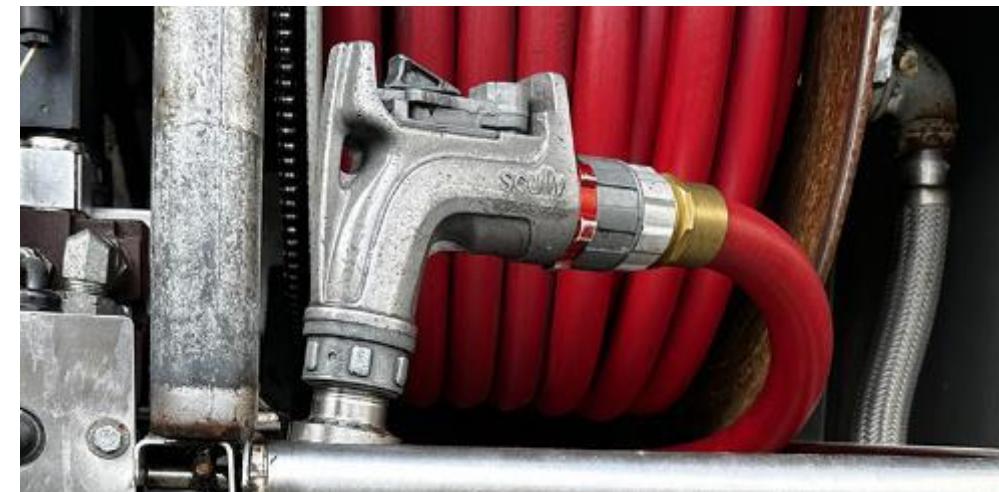
Check the equipment regularly for damage and wear.



Avoid dropping or dragging the nozzle.



The nozzle should be carried from the truck to the site of delivery, and back.



Secure nozzle while driving to and from deliveries.  
The use of a nozzle holder is recommended.

# ROUTINE INSPECTIONS - WHAT TO CHECK FOR

## Handle:

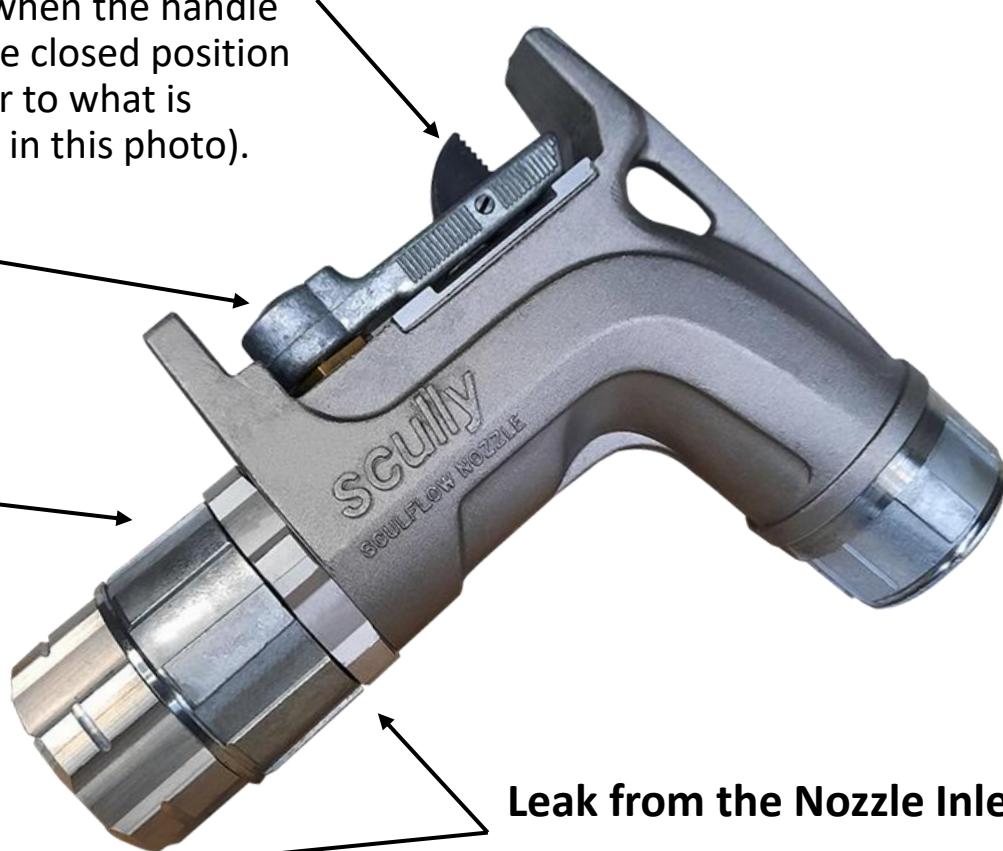
Over time, the handle can become loose or worn-out. Check that it does not feel loose and that it moves consistently from the closed to open position.

## Latch & Plate:

Verify the latch locks in place when the handle is in the closed position (similar to what is shown in this photo).

## Swivel Wear:

Rotate the nozzle while holding the swivel and feel for inconsistent rotation or friction impacting smooth movement. If the movement is rough or inconsistent, the swivel needs to be replaced.



**Scully recommends running these checks daily before starting a delivery run.**

## Leaks from the Nozzle Outlet:

Is it the Anti Drip Valve leaking?

1. If the leak is continuous, overcoming the spring, it is a leak past the ball valve. This would require a complete nozzle rebuild.

2. If the leak is temporary then stops, only the Anti Drip valve needs to be replaced.

Note that in both cases above, the leak should be more than a few droplets.

## Leak from the Nozzle Inlet:

If you detect a leak in the input of the nozzle, it can be from one of two places: between the swivel and the hose connection or between the swivel and the nozzle main body. In both cases an O-ring or gasket needs to be replaced.

# SCULFLOW® DELIVERY NOZZLE - EUROPE

Seal Locations that have Replaceable Kits

## Handle w/ Latch Upgrade Kit:

Worn handle or damaged.

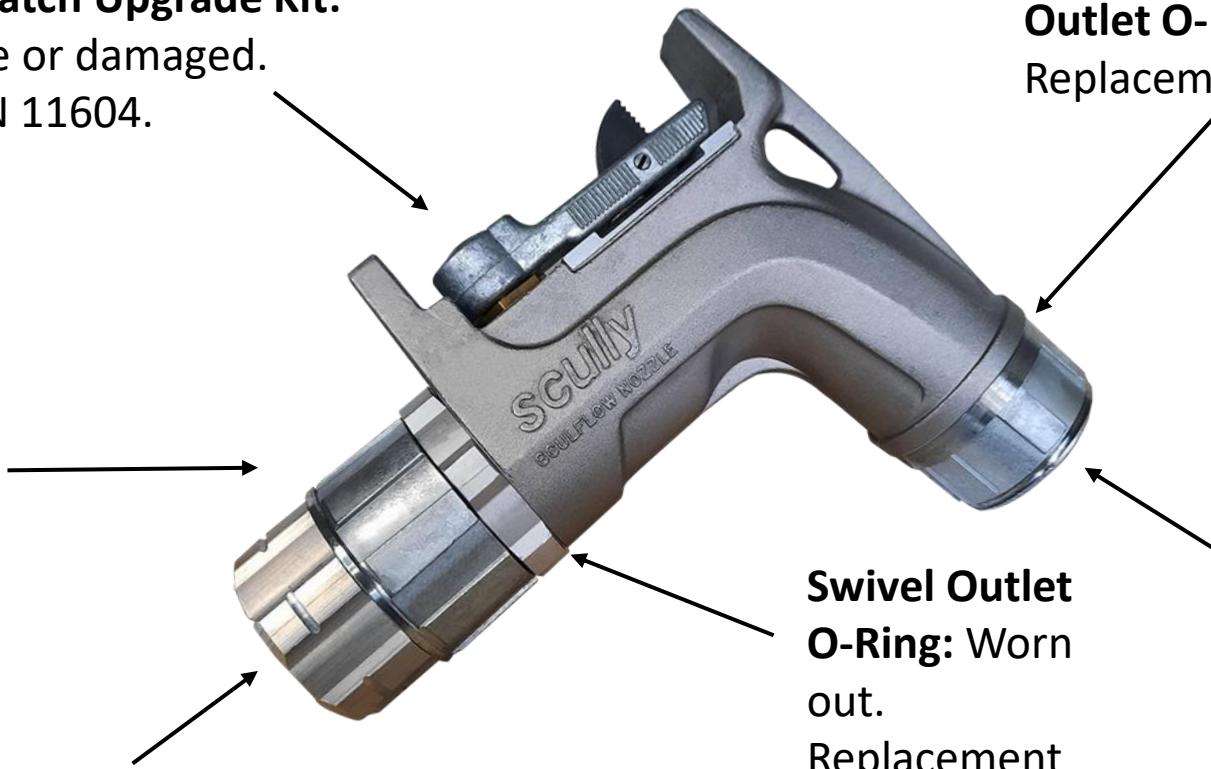
Repair kit PN 11604.

**Swivel Wear:** Including rough rotation or leak, swivel needs to be replaced. It is not a repairable part.

Replacement PN's  
05823, 05821, 05876,  
05900.

## Inlet Gasket: Loose or worn out.

Replacement PN 12145 2.33 OD, 12092  
1.86 OD



## Outlet O-Ring: Worn out.

Replacement PN 11265

## Anti Drip Valve: Consistent leak

– Complete nozzle rebuild recommended.  
Replacement kit PN 05416

Momentary leak – Anti Drip valve needs to be replaced.  
Replacement kit PN 11503

**For repair use only Sculley supplied parts. Non-Sculley parts will affect performance and void the warranty.**

\*PN = Part Number

# SCULFLOW® DELIVERY NOZZLE – REPLACEMENT PARTS



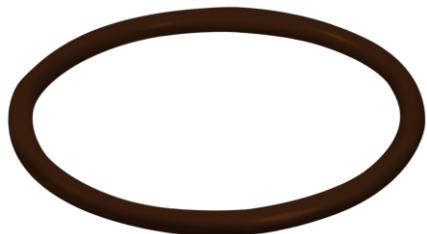
**11604**  
Handle Upgrade Kit



**05823, 05821, 05876, 05900**  
Non-anodized continuity version Swivels



**12092 1.86 OD-**  
**Inlet Gasket**



**11516**  
Swivel Outlet O-Ring



**11265**  
Outlet O-Ring



**05416**  
Nozzle Rebuild Kit



**11503**  
Anti-Drip Valve

# Examples of using non-Scully parts and the performance impact - generating leaks

Swivel Inlet – Hose to Swivel - OEM Gasket [PN 12092] vs Aftermarket Gaskets – **Wrong Dimension**

**Scully Original Manufacturer Part**



**Aftermarket Part**



Examples of using non-Scully parts and the performance impact - generating leaks

Swivel Outlet –Swivel to Nozzle Body - OEM Gasket [PN 11298] vs Aftermarket **Pinched O-Ring**



**Scully Original Manufacturer Part**

**Aftermarket Part**



# Examples of using non-Scully parts and the performance impact - generating leaks

Nozzle Body – Anti-Drip Valve - OEM O-Ring [PN 11298] vs Aftermarket **Misaligned O-Ring**

**Scully Original Manufacturer Part**



**Aftermarket Part**



# Warranty Overview

For detailed mechanical equipment warranty, please review the Scully Signal Company Limited Warranty Registration Card (shipped with every product).

- Nozzle warranty for a period of one year from the date of sale from Scully.
- Peripherals warranty for a period of 90-days from date of installation.
- Warranty only applies if nozzle is used per manufacturer specification per intended applications.
- Warranty will be **void** if nozzle is repaired using parts not provided by Scully.

Disclaimer: Scully is not liable for the workmanship of a repair performed by an external party. The responsibility of the repair is on the company offering this service.