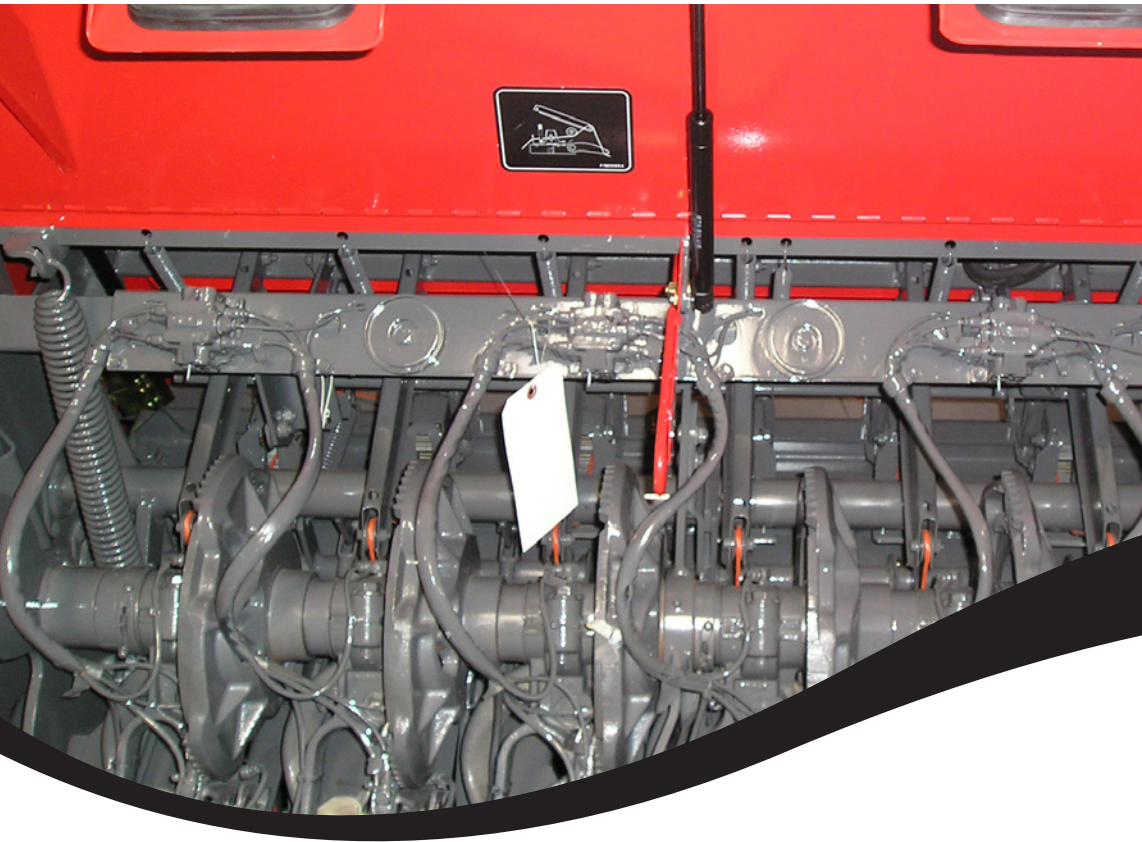


# Application Success

## Agriculture



### Application Overview

Commercial hay baling equipment.

### Why Automatic Lubrication?

There are several critical moving components on the large square commercial baling equipment used in high volume baling operations. The knotter assemblies apply the twine on the bales and tie the knots in the twine to secure it. The efficient operation of the knotting system is critical to the overall operation of the commercial baler. The environment this equipment operates in is extremely dusty and dirty which can lead to wear of the critical moving components which causes the knotting system to get out of adjustment. This condition results in bales being improperly secured or not secured at all which creates waste and lost productivity. The Bijur Delimon automatic lubrication system has proven to significantly improve the overall operation of the knotting system.

### BDI Products

- + DS Series Lubricator
- + U-Block
- + Quick Connect Fittings

### Advantages

- + Longer maintenance intervals
- + Increased profits
- + Lower costs for repair parts
- + Improved operating time
- + Positive lubrication
- + Cost effective system
- + All system components from one source
- + Excellent service and field support
- + Components have high level of reliability
- + Components provided in kit form to the OEM ready for sub assembly

*Please contact factory for additional information on this or any other application.*

## Products Utilized for Commercial Hay Baling Equipment

### DS Series Lubricator (DS-260)

+ **Description:** Oil, 24 VDC with 2 liter reservoir, no level switch

The DS Series motorized oil/grease pumps are piston discharge pumps driven by DC or AC motor, controlled by a controller or PLC (not included). The DS pump has small-volume, large-output flow and power-off load relieving functions. It can be used in series progressive lubricating systems and in single line resistance systems (SLR).

### U-Block (U8R & U12R)

+ **Description (U8R):** 8 outlet, 1 to 8 working ports, 0.3cm<sup>3</sup> flow rate, with indicator pin switch

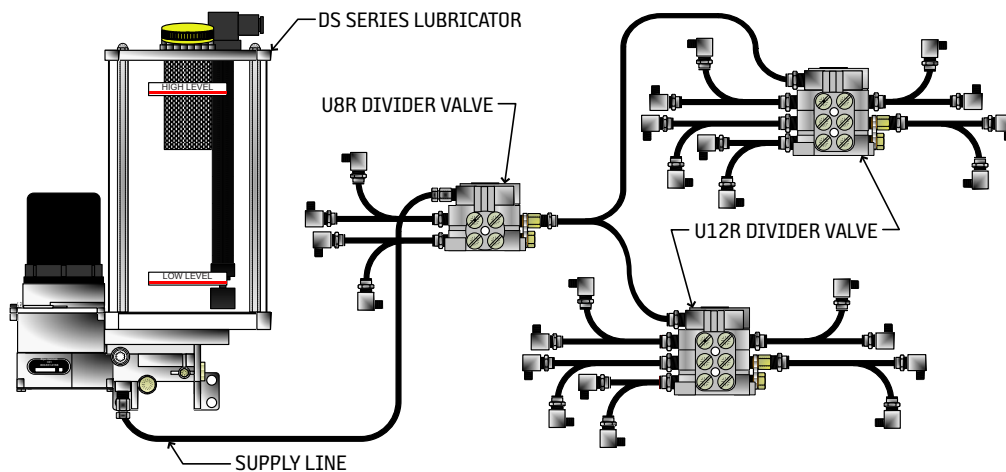
+ **Description (U12R):** 12 outlet, 1 to 12 working ports, 0.3cm<sup>3</sup> flow rate, with indicator pin switch

U-Block divider valves are specially designed for use in progressive lubrication systems. Several outlet configurations are available that allow you to tailor the divider valve to your lubrication specifications. Crossport bars are also available so you can double volume discharge where needed.



## Typical System Layout

### 4-Knotter Kit



Refer to the following datasheets:

+ Datasheet #48860:  
DS Series Lubricators

+ Datasheet #35426:  
U-Block Divider Valves

## Background

A competitor's multi outlet manual pump was previously supplied for this application. This design was not effective in the field as it had to rely on someone to activate the unit. Bijur Delimon was able to supply an automatic system at a cost effective price which improved the overall reliability of the hay baler.

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