

# QUAD PACK DELIVERY SYSTEM QPDS



## Description

R and D Products offers a delivery system for high viscosity polymer slurries which can be applied but not limited to completion and/or drilling applications.

The QPDS is comprised of up to three hydraulically powered self-contained mixing units, air-driven motors, transfer pumps, transfer hoses, and a working apparatus with stairs for storage and safe easy access to the upper areas of the tanks. All components are housed and transferred via our stackable patented quad-pack racks.

The system can be placed in a strategic location for operation. The QPDS only needs access to rig air to operate the system.

The quad-pack racks can be double stacked to conserve valuable rig space.

## Application

Cross-Linked Polymers  
Gravel Pack Screens  
Sweeps  
Pills  
Displacement Spacers  
HP/HP Wells

## Features and Benefits

- Small footprint and stackable
- Drive motors are under 50 LBS
- Ready to use to minimize NPT
- Simple and easy to rig up
- No additional personnel required
- Bulk Delivery – takes up less space than pails and/or buckets
- Minimizes waste or product loss during mixing and delivery
- Meets U.S. Department of Transportation and U.S. Coast Guard standards
- DNV Certification 2.7-1
- Applicable in Deepwater wells, Offshore Platforms, barges, and remote locations
- Published patent on quad-pack rack, working platform, and sight-glass totes
- Patent pending on process

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### Safety Precautions

During operation, wear all standard PPE applicable to the MSDS for the polymer and/or carrier fluid requirements, including hearing protection.

### Technical Data

Two configurations available:

- Two mixing units for polymer and one sight - glass tote for carrier fluid
- Three mixing units for polymer

The working apparatus “stair system” has a storage compartment for storage of the motors and diaphragm pumps.

A pressurized pneumatic source “rig air” [110 to 130 psi (7.9 to 9.0 bar)] is connected to the hydraulic motor which is engaged to mix the polymer with carrier fluid by use of the transfer pumps and/or to agitate the slurry for delivery to the trip tank or cement unit.

### Dimensions and Design

The quad-pack racks are 9 feet long, 8 feet wide, and 8 feet tall to the top of the stacking pads. The tare weight of the QPDS is approximately 10,200lbs (without polymer and/or carrier fluid). The quad-pack racks and transfer pumps have solid drip pans. The quad-pack racks are stackable and have latched doors for each compartment



*QPDS Parts (hoses, motors, regulator, mixing paddles, & polypropylene diaphragm pumps)*



*Top View (motors engaged with rig air)*