



PROJECT OVERVIEW

A fuel supply cooperative based in the province of Isabela, Philippines, supports agricultural operations in one of the country's most productive rice and corn growing regions. Farmers operating across large tracts of land require dependable diesel supply for tractors, harvesters, water pumps, and post-harvest machinery.

Given the decentralised nature of farms in rural areas, mobile fuel tanks are used to deliver diesel directly to the field. These mobile refueling units—often mounted on utility trucks or trailers—must operate without reliance on electrical power, and require rugged equipment that performs in hot, humid, and muddy conditions.

The GPRO® QM40 Mechanical Flow Meters were deployed on all its mobile refueling units. These meters ensure that every litre dispensed to a farmer's equipment is accurately tracked and visually confirmed, helping to prevent disputes and manage cooperative-level reporting for fuel allocations under government subsidy programs.

METER REQUIREMENTS

- Mounted to mobile fuel tanks or gravity-fed dispensing setups.
- Fully mechanical for use in areas with limited or no electricity.
- Capable of operating in muddy, high-humidity field environments.
- Simple visual display with batch and total counters.
- Minimal servicing and easy calibration in the field.
- Durable, lightweight and reliable during transport over rough terrain.

APPLICATION BRIEF

FUEL DISPENSING - AGRICULTURE OPERATIONS

July 23, 2025

PRODUCT SPECIFICATIONS



- $\pm 2\%$ accuracy across the operating range
- Cast aluminum body for lightweight and corrosion resistance.
- No power required - Mechanical register with batch and total counters
- Flow range: 23–151 L/min (6–40 GPM)
- 1" NPT (F) inlet/outlet
- Quick calibration in field conditions
- Built-in strainer ideal for use in tropical climates with potential dirt, dust, and water exposure
- Frictionless Mag Drive means no seals internally and no leaks

PRODUCT SOLUTION

The GPRO® QM40 Mechanical Flow Meter is ideally suited for fuel dispensing in the agricultural sector of the Philippines. Its rugged construction, mechanical reliability, and ease of use make it a trusted solution for cooperatives, contractors, and large-scale growers.

This application relies on the QM40 to support transparent and efficient fuel distribution, even in the most remote rice paddies and corn fields across the Cagayan Valley. The QM40's simple functionality empowers operators to focus on productivity, not troubleshooting.