

# Technical Bulletin: FV FEED VERIFICATION SENSOR

Stop over/under feeding volume based chemicals. Add Feed Verification to your pump to achieve desired PPM level. With a pulse output for each milliliter of chemical fed, the controller can operate a pump until the exact PPM level is obtained.



This accuracy allows the controller to calculate tank inventory.

Is chemical resistant.

Bleach and acid models available.

Feed Rate: 8 - 30 GPD on solenoid driven pumps  
Use the controller to calculate cycles based on  
conductivities or flows then feed PPM based on cycles  
Supplied with 3/8" OD tubing fittings

Epoxy sealed sensor is chemically resistant for longer life.

Rotary gears must turn to allow chemical to pass. No floats to jam or stick.

Two indicator lights; Red indicates correct power, Green blinks for each pulse.

Operating pressure 150psi

Liquid Temperature; 50 to 120° F.

Ambient Temperature; 32 to 105° F.

Recommended viscosity; < 50 centipoise. 100 Centipoise maximum.

Using Feed Verification method:

Requirements: One water meter input (contact head, paddlewheel or 4-20mA),

One Feed Verification input (digital). One relay for pump control. Two unused analog inputs for PPM and inventory calculations (Optional)

Includes a fail to feed alarm.

Calculate chemical inventory one milliliter per pulse for high accuracy

Alarm on low inventory level

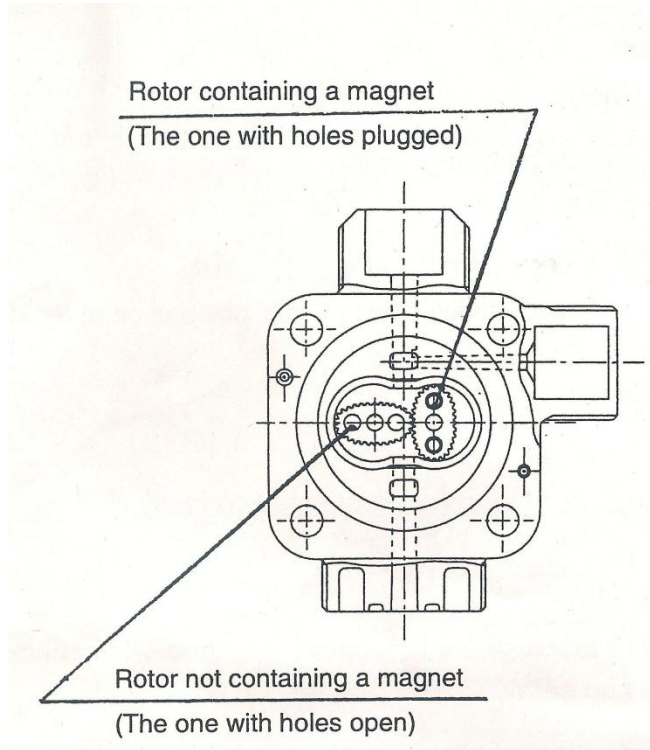
Alarm when pump fails to feed

ACCURATE  
RUGGED  
DEPENDABLE

SINGLE DIGITAL INPUT  
SIMPLE WIRING  
COMPACT, INLINE CONNECTION

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## FUNCTIONAL OVERVIEW OF SENSOR



As chemical passes through the gear box, the gears rotate. The epoxy enclosed sensor reads the magnet loaded in the gear for each milliliter of chemical. The electronics stay clean and dry separated from the process liquid.

Materials of construction:

Standard model - **Part number 7760083**

Ryton body with ceramic check ball, EPDM O-ring and valve seat, FRPP ball stopper and PE air release

Bleach/Acid model - **Part number 7760706**

Noril body with ceramic check ball, Fluoro rubber O-ring and Special fluoro rubber valve seat, PVC ball stopper and PE air release.

