AGAR CORPORATION
Process Measurement & Control Solutions

Well Testing
MULTIPHASE FLOW METERS

Desalters/Dehydrators
INTERFACE & EMULSION CONTROL

Pipeline Monitoring & Custody Transfer
BS&W and Oil/WATER METERS

Automatic Tank Dewatering
INTERFACE CONTROL

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Serving the Oil & Gas Industry for over 30 Years
UPSTREAM APPLICATIONS

- Multiphase Flow Meter Well Testing
- 2-Phase or 3-phase Well Test Separators - Oil/Water Meters
- Production Separators-FWKOs & Heater Treaters
- Foam Detection & Control
- Amine Contactors
- Glycol Dehydrators
- Oil Dehydrators
- Automatic Tank Dewatering
- Waste Water Treatment
- BS&W Monitors-LACT units
- Hydrate Detection

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**DOWNSTREAM APPLICATIONS**

**REFINERY/CHEMICAL PLANT APPLICATIONS**

- Automatic Tank Dewatering
- Desalters
- Slop Oil Tanks
- Foam Detection
- Amine Contactors & Flash Tanks
- Alkylation Separators
- Merox / Caustic Treaters
- Wash Tanks
- Ethylene Quench Tower Separator
- Sour Water Tanks
- Coker Blow Down Drums

**Diagram Details:**
- ALKYLABATION
  - H₂SO₄ or HF Acid Settler
  - Emulsion to Spent Acid Tank
  - HC to separation
  - HC to Alkaline Wash Drum
  - H₂SO₄ Acid Wash Drum

- AMINE SYSTEM
  - Sour HC FEED
  - FOAM
  - LEAN AMINE
  - AMINE CONTACOR
  - FLASH TANK
  - OW-200
  - RICH AMINE
  - Lean Amine to Contactor

- CAUSTIC WASH
  - Caustic Settler
  - From Oxidizer
  - Excess Air
  - Caustic - Disulfide Solution

- SOUR WATER STRIPPER
  - H₂SO₄ or HF Acid Settler
  - Emulsion to Spent Acid Tank
  - HC to separation
  - HC to Alkaline Wash Drum
  - Alkaline Water Wash
  - H₂SO₄ Regeneration Tank

- COCKER
  - Fractionation Reflux Drum
  - Sour Water
  - HC
  - Coker Blow Down

- HYDROTREATHER
  - High Pressure Separator
  - Gas
  - Stripping Oil
  - Sour Water

ID 201s  OIL  GAS  WATER  EMULSION
INTERFACE DETECTORS

Desalter/Dehydrator Control Systems
Agar System 3

ID-200 Series
- Interface Control
- Emulsion Control
- Foam Control
- Chemical Injection Control

Automatic Tank Dewatering Installation
Agar System 1 & 2
**OW-300 Series**

% Water Ranges:
- 0 to 1%; 0 to 5%; 0 to 10%; 0 to 20%; 0 to 40%
- BS&W / LACT Units
- Custody Transfer
- Pipeline Monitoring

**OW-200 Series**

% Water Range: 0 to 100%
- Well Testing
- Measures Hydrocarbon in Waste Water

**OW-300 Insertion Type Installation**

**OW-200 Inline Type Installation**
**MPFM-50 Series Advantages**

- Non-Nuclear
- Gas Void Fraction 0-100%
- Water-cut 0-100%
- High accuracy, real-time flow measurement
- Not affected by salinity changes / flow regimes
- High and low viscosities
- Compact, portable, easy to transport and install
- Wet gas application

**AGAR CERTIFICATIONS:**

- CSA Canadian Standards Association
- CSA/US Underwriters Laboratories
- GOST-R Russian Approval for Hazardous Areas and Accuracy
- ATEX European Union Directive for Explosive Atmospheres

All AGAR Corporation Instruments are covered by one or more of the following U.S. Patents: 4,503,383; 4,774,680; 5,099,697; 5,101,163; 5,263,363; 5,461,930; 5,503,004; 5,551,305; 5,589,642; 5,741,977; RE 36,597, and other patents pending in the USA and other countries.