

MULTIPHASE METERS



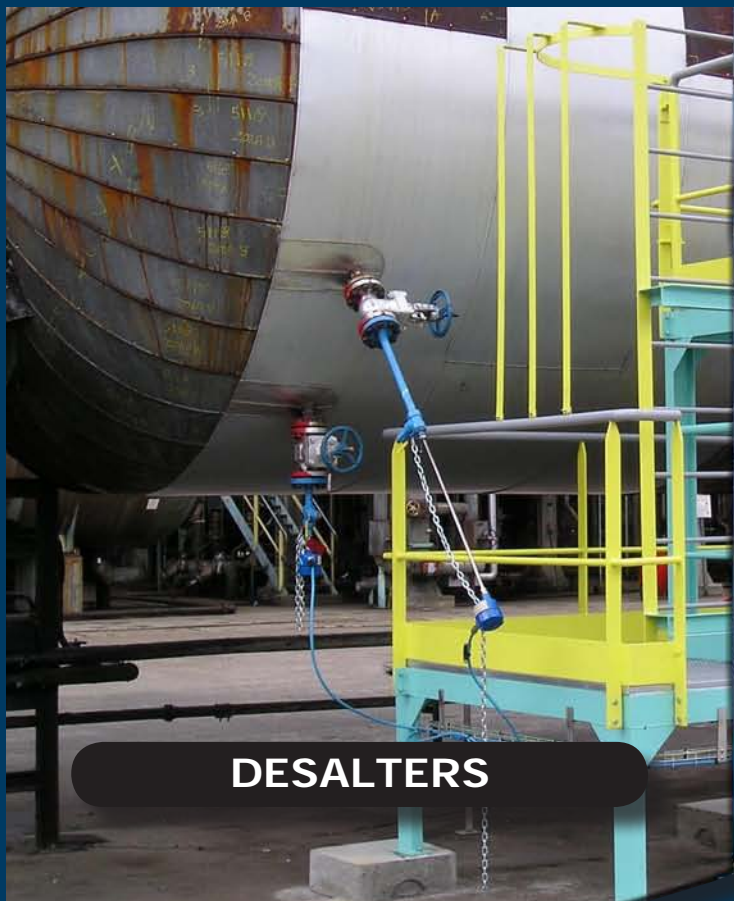
TANK DEWATERING



AGAR CORPORATION

Process Measurement & Control Solutions

DESALTERS



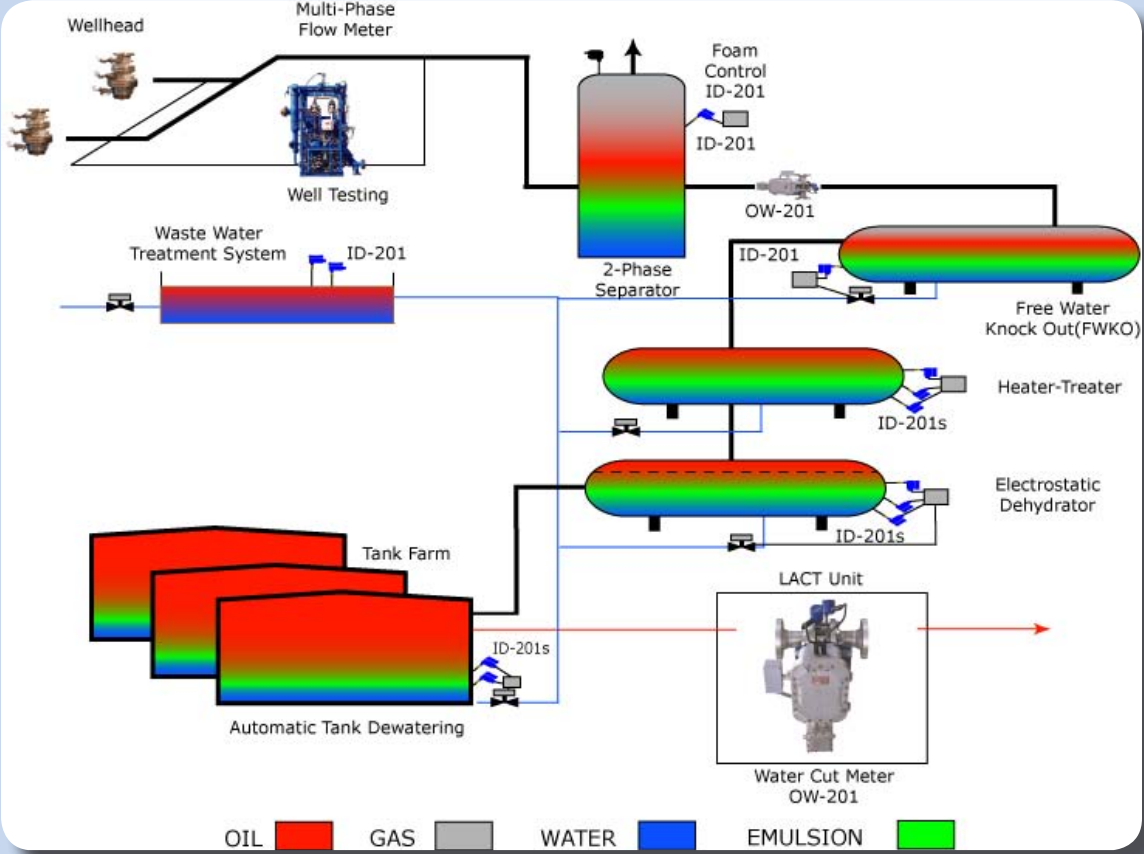
WELL TESTING



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UPSTREAM APPLICATIONS



UPSTREAM APPLICATIONS

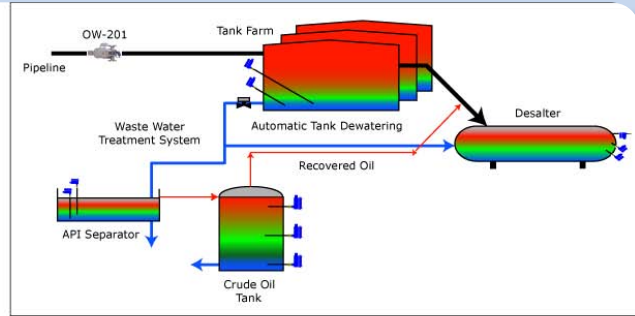
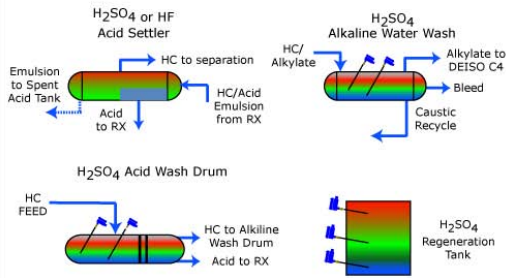
- Multiphase Flow Meter Well Testing
- Two-Phase Test Separators - Watercut Meters
- Production Separator
- Foam Detection & Control
- Amine Contactors, Glycol Dehydration
- Free Water Knockout
- Heater Treaters, Dehydrators
- Automatic Tank Dewatering
- Waste Water Treatment
- BS & W Monitor
- Hydrate Detection



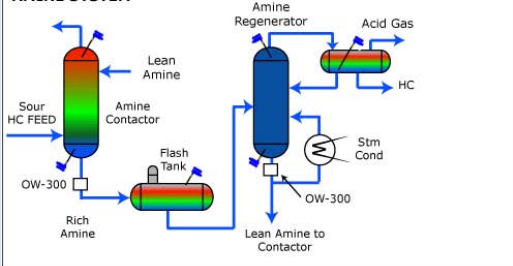
Mobile Multiphase Flow Meter

DOWNSTREAM APPLICATIONS

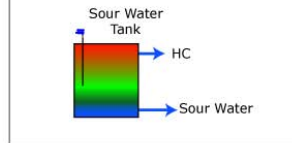
ALKYLATION



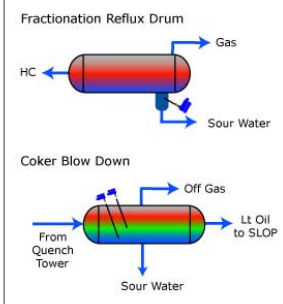
AMINE SYSTEM



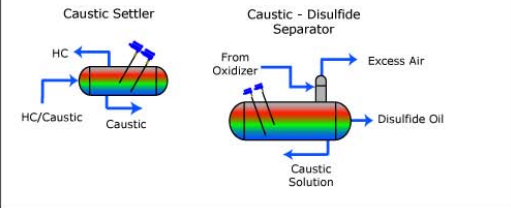
SOUR WATER STRIPPER



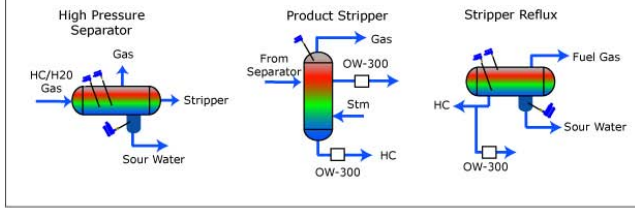
COKER



CAUSTIC WASH



HYDROTREATER



ID 201s OIL GAS WATER EMULSION

REFINERY/CHEMICAL PLANT APPLICATIONS

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

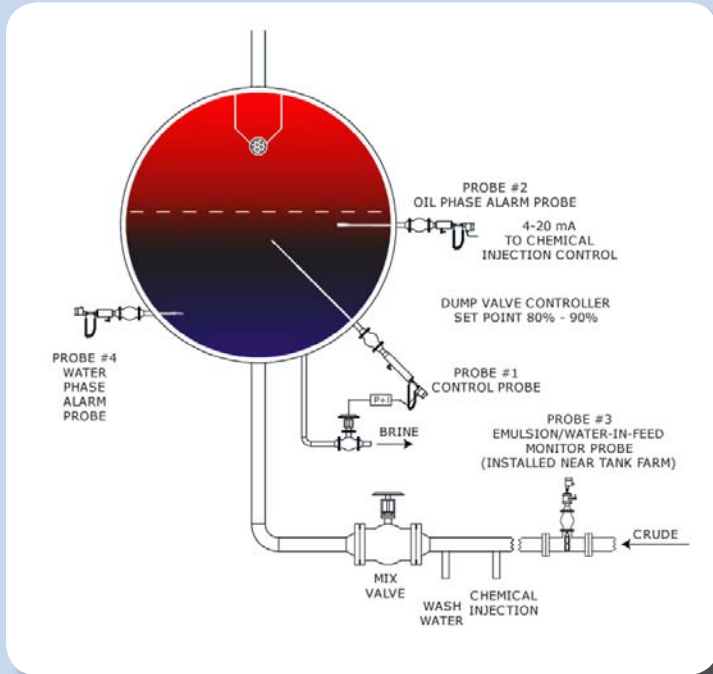


Slop Oil Tank

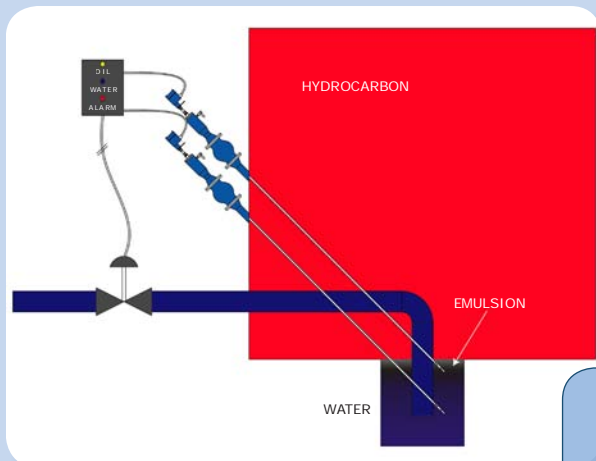
INTERFACE DETECTION



Desalting System - Agar System 3



- Continuous Brine Valve Control
- Directional Control of Emulsion Growth
- Elimination of Routine Free Oil Undercarry
- Advance Warning of Emulsion Growth Below the Grids
- Advance Warning of Oil/Solids Contamination of Water Phase
- Advance Warning of Water “Slugging” in the Feed from the Tank Farm
- Potential to Automate Upset Responses
- Optimization of Chemical Usage and Other Operating Parameters



Automatic Tank Dewatering & API Separator Control - Agar System 1 and 2

- Utilizes Agar's ID 200 Series (201, 202, 205)
- 80% reduction in hydrocarbon discharged to sewer (waste water treatment system)
- Measures actual water content at differing elevations
- Provides automatic control of the water draw-off valve
- Adjustable probe positions to allow optimum control
- Delivers an excellent Return on Investment
- Integrated into several worldwide environmental projects



OIL / WATER MONITORS



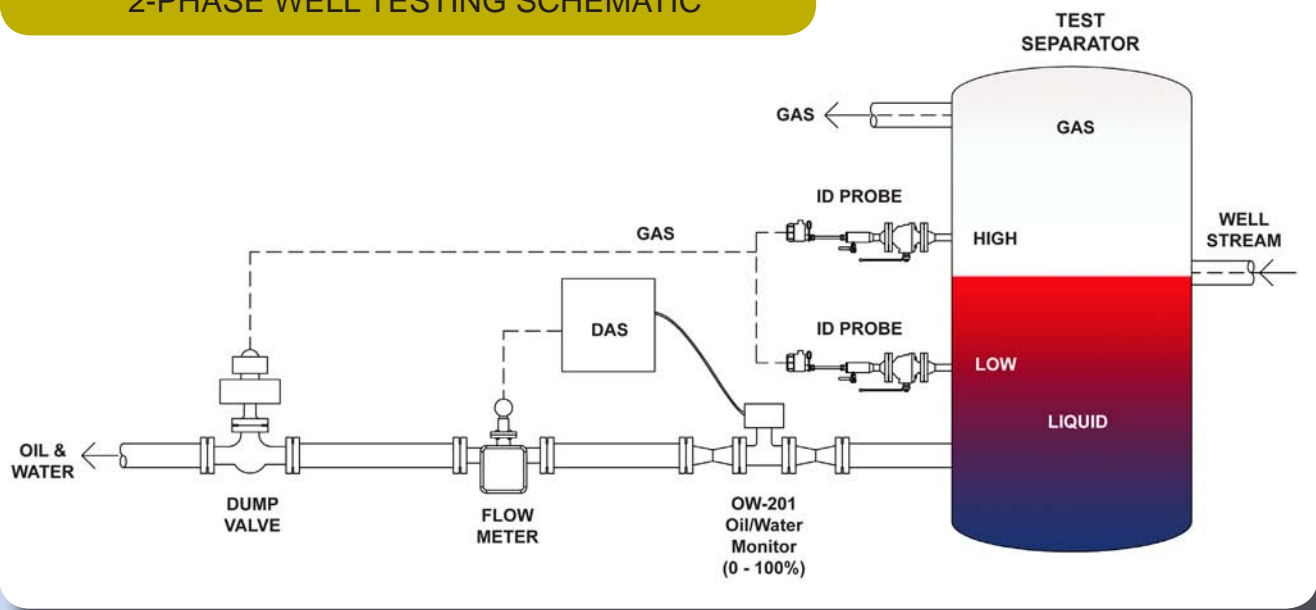
OIL / WATER MONITORS
OW-200 Series
0 - 100% Watercut Range

- Well Testing
- Measures Hydrocarbon in Waste Water

OW-300 Series
0 - 40% Watercut Range

- S&W / LACT Units
- Custody Transfer
- Pipeline Monitoring

2-PHASE WELL TESTING SCHEMATIC



HYDRATE DETECTION



HYDRATE DETECTORS - 101 & 102 SERIES

- Hydrate Detection
- LDHI / Methanol Injection Optimization

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EQUIPMENT SAFETY CERTIFICATIONS:

- CSA Canadian Standards Association (Class I, Group C&D)
- UL/C-UL 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; 5,101,367; 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.