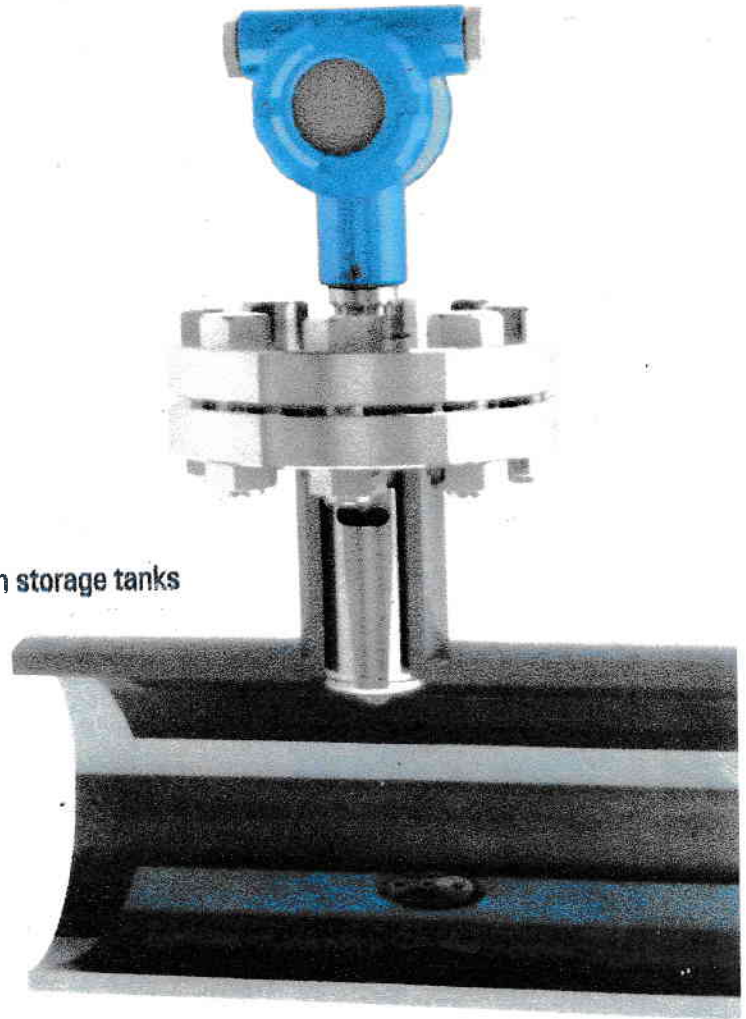


AG SERIES
APPLICATIONS

- Density, viscosity temperature and concentration monitoring in storage tanks
- Petroleum products, fuels, lubricants, LPG, LNG
- Concentrations of acids or corrosive chemical
- Food, Dairy & Beverages
- Products identification and consistency
- Concentration and dilution measurements
- Monitoring of reaction end in reactors
- In-tank mixing and blending

ADVANTAGES

- Continuous, online viscosity monitoring at process conditions
- Accurately measures density and viscosity of liquids with viscosity up to 2000 cSt
- Rigorous factory calibration and testing of the transducer
- Can operate in pressurized tanks
- Immersion in the tanks up to 30 meters
- No moving parts, virtually maintenance - free system
- We also can tune system specification for your specific requirements
- Hazardous area approvals
- Insensitive to liquid level, mix or turbulence
- Large offer of standard product configurations and installation available



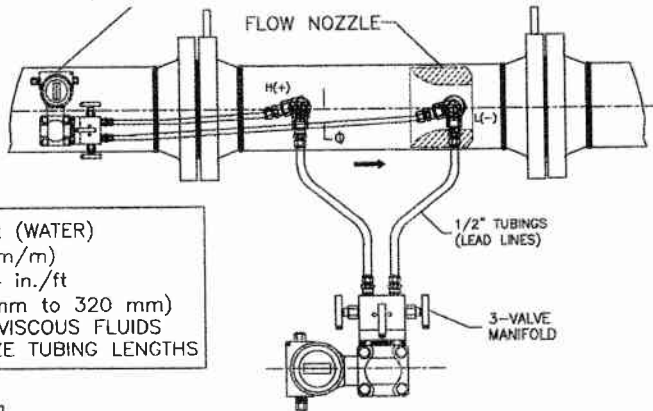
DENSITY & VISCOSITY METER

DC-42

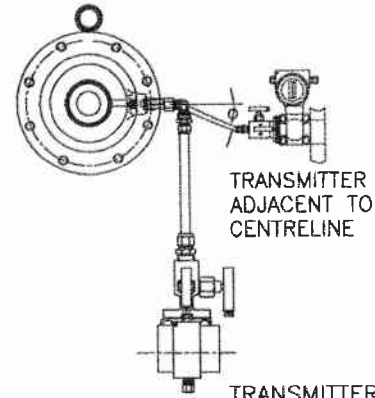
IN PROCESS TO EXCELLENCE

NISTAR FLOW SYSTEMS INC.

ALTERNATE INSTALLATION—TRANSMITTER ADJACENT TO CENTRELINE



$\phi = 1 \text{ in./ft (WATER)}$
 (80 mm/m)
 = 2 to 4 in./ft
 (160 mm to 320 mm)
 MORE VISCOUS FLUIDS
 - MINIMIZE TUBING LENGTHS



TRANSMITTER BELOW CENTRELINE (RECOMMENDED)

TYPICAL INSTALLATION—RECOMMENDED (TRANSMITTER BELOW CENTRELINE)

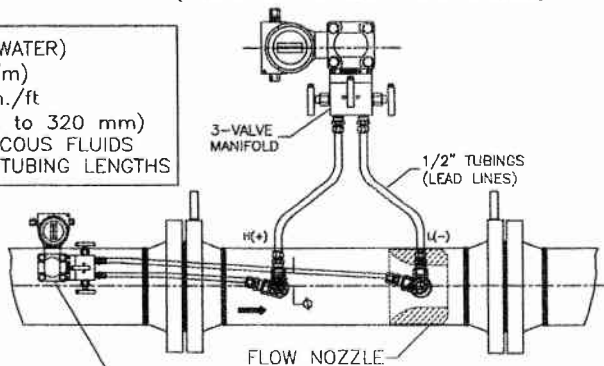
FIG. "A"

LIQUID—HORIZONTAL INSTALLATION

NOTE: FOR DIRTY OR VISCOUS FLUIDS USE TRANSMITTER WITH REMOTE DIAPHRAGM SEALS

TYPICAL INSTALLATION—RECOMMENDED (TRANSMITTER ABOVE CENTERLINE)

$\phi = 1 \text{ in./ft (WATER)}$
 (80 mm/m)
 = 2 to 4 in./ft
 (160 mm to 320 mm)
 MORE VISCOUS FLUIDS
 - MINIMIZE TUBING LENGTHS



TRANSMITTER ABOVE CENTRELINE (RECOMMENDED)

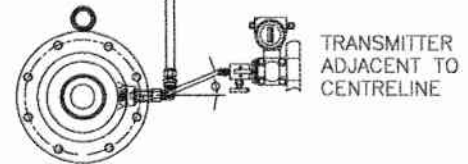


FIG. "B"

ALTERNATE INSTALLATION—TRANSMITTER ADJACENT TO CENTRELINE

GAS/AIR—HORIZONTAL INSTALLATION

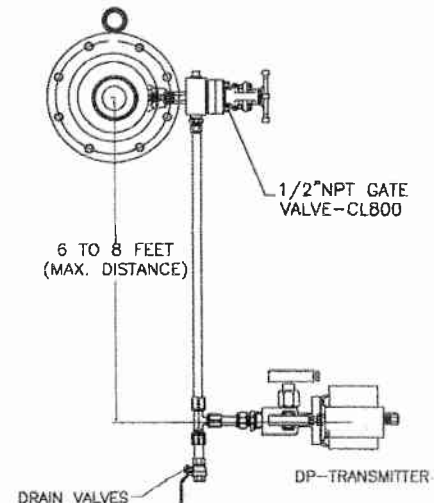
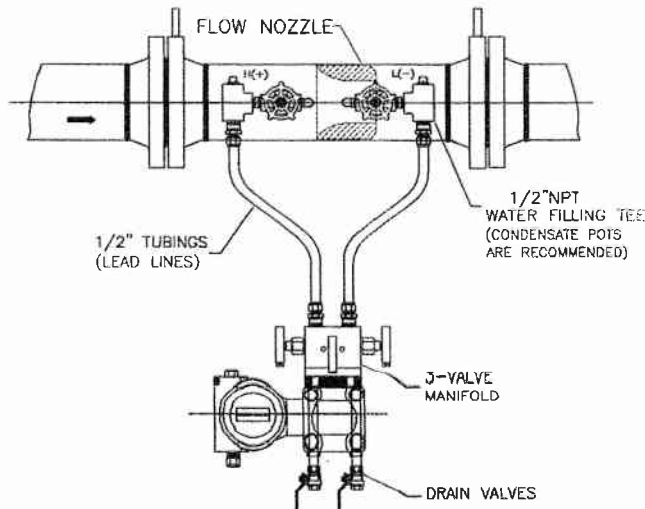


FIG. "C"

TYPICAL INSTALLATION (TRANSMITTER BELOW CENTRELINE)

STEAM—HORIZONTAL INSTALLATION