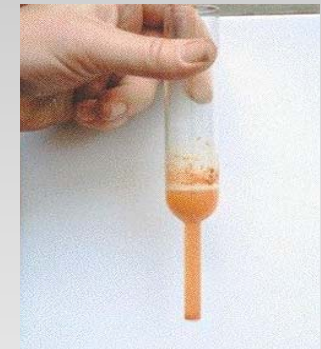


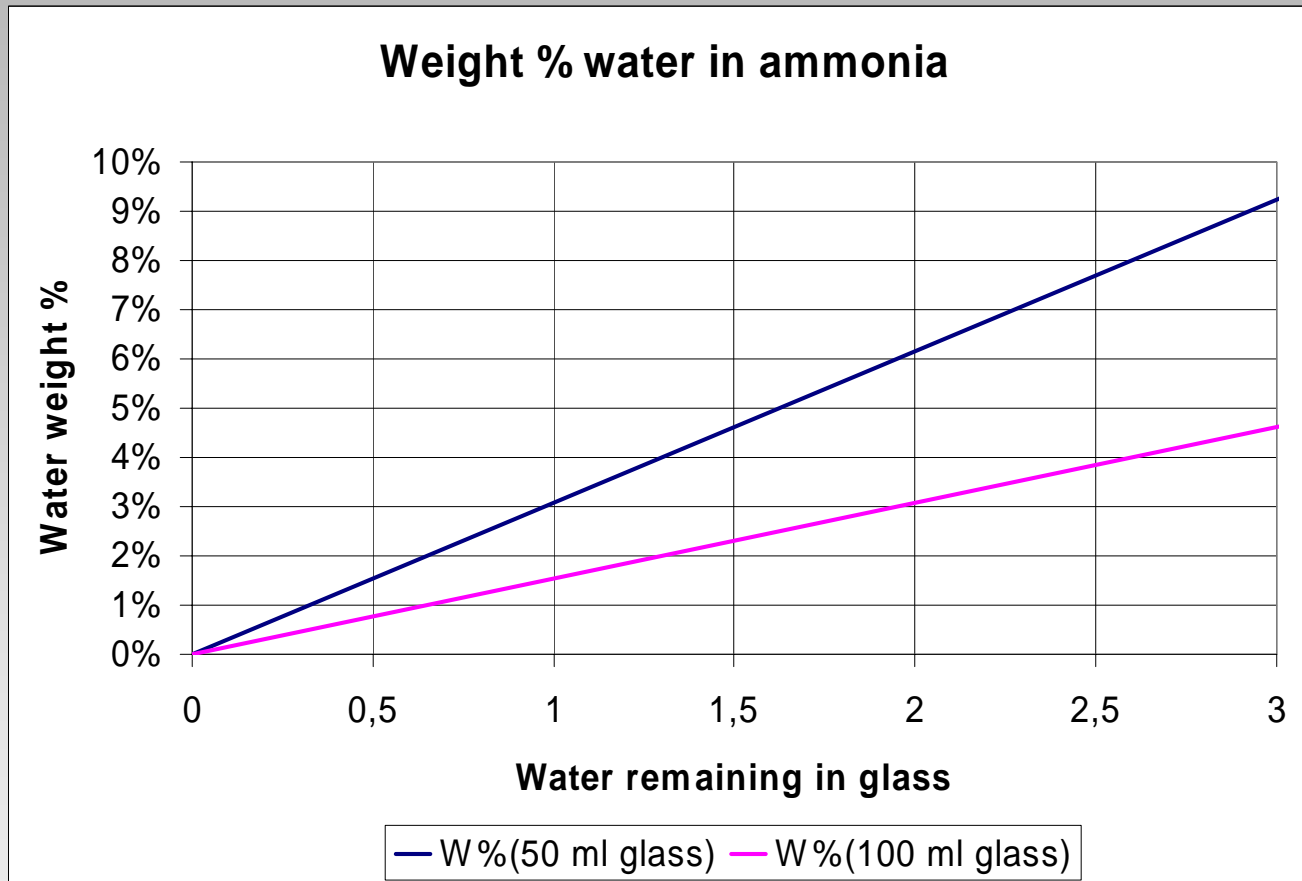
Water measurement in ammonia



Always take sample from Low pressure side of system



Sample from polluted System (H₂O and nitro compounds)



Water in ammonia systems

Consequences of H₂O in NH₃

- Increased power consumption
- Reduced refrigeration capacity
- Lower evaporating pressure at the same temperature
- Refrigeration oil is broken down and creates nitro compounds
- Nitro compounds can dissolve in the NH₃ and colour it
- Leaks due to embrittlement of O-rings and gaskets
- Leaks due to galvanic corrosion of joints and aluminium gaskets
- Wear and tear on valves and controls
- Sludge in the system

Power consumption

Refrigeration capacity

