Closed Vent Sampling Systems for Liquids, Gases and Liquefied Gases

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Products

DOPAK CLOSED VENT SAMPLING SYSTEMS FOR LIQUIDS, GASES AND LIQUIFIED GASES
OPEN VENT SAMPLING
Objectives of sampling system

- Provide safety for the operator
  No contact with the product to be sampled
  Easy (one handle) operation

- Provide safety for the environment
  No spillage, no fumes

- Provide a 100% representative sample
Sample containers - Bottles

- Bottle closed with cap and septum
- Needle assembly/sleeve arrangement
- Closed vent
- Product at atmospheric pressure
Sample containers - Cylinders

- Cylinder with valves and QC couplings
- Outage for liquids (external/internal)
- Closed vent / DESO QC
- Product at process pressure
DPM series

Applications
Liquids at lower pressure
Sampling with lower vapour pressures
Corrosive, hazardous liquids
Viscous fluids, slurries
Sampling from pipelines and tanks

Available Configurations
On/off
System purge
Back purge
Needle purge
Back/needle purge
System purge and continuous needle purge
In line, needle purge
S32-G series

Applications
Gas sampling

Available Configurations
System purge
Bypass purge cylinder
Process to flare
**S32-LG series**

**Applications**
- Liquefied gas sampling
- Fixed external outage
- High vapour pressure liquids
- Zero quick connect vapour release

**Available Configurations**
- System purge
- Vent to flare
- Outage tube
- Purge expansion
- Bypass purge cylinder
ENGINEERED PRODUCT

**Design requirements**

- **Specification**
  Pipe or instrumentation specification

- **Criteria**
  Design/operating pressure temperature, viscosity, phase, particles. Product properties

- **Representativity**
  Dead volume
  System purge
  External purge
  Contamination

- **Safety**
SAFETY IMPROVEMENTS