LCO2 Gravimetric Cylinder Filling

Description:

Automatic Gravimetric LCO2 / N20 cylinder filling module complete with integrated weigh scale and operator HMI.

Features:

- Mono or Mixed gas filling
- Fill connection with quick connector or fast handwheel
- Easy, precise and safe operation
- Legal for trade
- Multiple IT communication options
- Optional printer and / or scanner
- Optional vacuum system
- Integrated pump control

Technical data:

- Weighing range 0-150kg
- Scale division; 0-60kg = 20g, 60-150kg = 50g
- Fill range (approx) 4-50kg
- Cylinder size range up to 300mm dia x 1800mm Height
- Filling module dimensions; (W X D X H) 600 x 600 x 1400mm
- Filling module weight (approx.) 100kg

Weigh scales & controls:

- Digital, freely programmable Sys Tech IT xxxx industrial weighing terminal
- 999 storable cylinder
- Automatic filling process, manually operated solenoid vent
- Monitoring of fill weight, integrated tare weight control
- Enhanced, i.e. top-filling (only the fill parameter requires setting All other parameters are ready)
- Remote online maintenance / support available
- Easy to integrate with different IT systems

Connections:

- Electrical; 110/240, 50/60Hz, 100w, single phase
- CO2 Customer scope
- CGA 320 / DIN 477 No 6 optional as required

Options:

- Add-on weigh scale for smaller (20g to 4 kg) filling
- Barcode reader, printer and communication interface (TCP/IP)
- Vacuum valve / system with process integration

Standards:

- PED 97 / 23 / EG
- Non automatic scales 2009 / 23 / EG
- Low voltage directive 2006 / 95 / EG
- CE Marking
- Legal for trade

Example P&ID: