

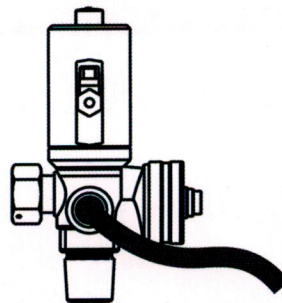
DIMES

Digital MEasuring System

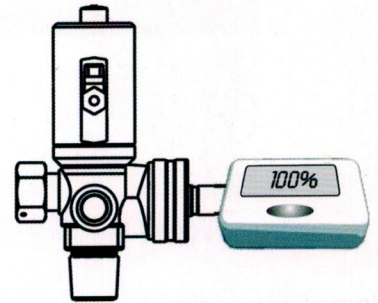
FIRST PERMANENT ELECTRONIC CONTENTS CONTROL FOR CO₂

- NO SCALE
- NO PERIODIC WEIGHING
- FULLY ELECTRONIC, NO MOVING PARTS
- PRE-DEFINED ALARM LEVEL
- MULTIPLE CYLINDER CONTROL
- PERMANENT REALTIME MEASURING

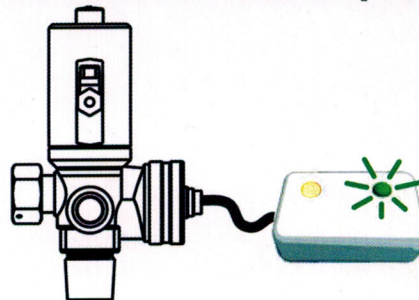
1. Filling 100%



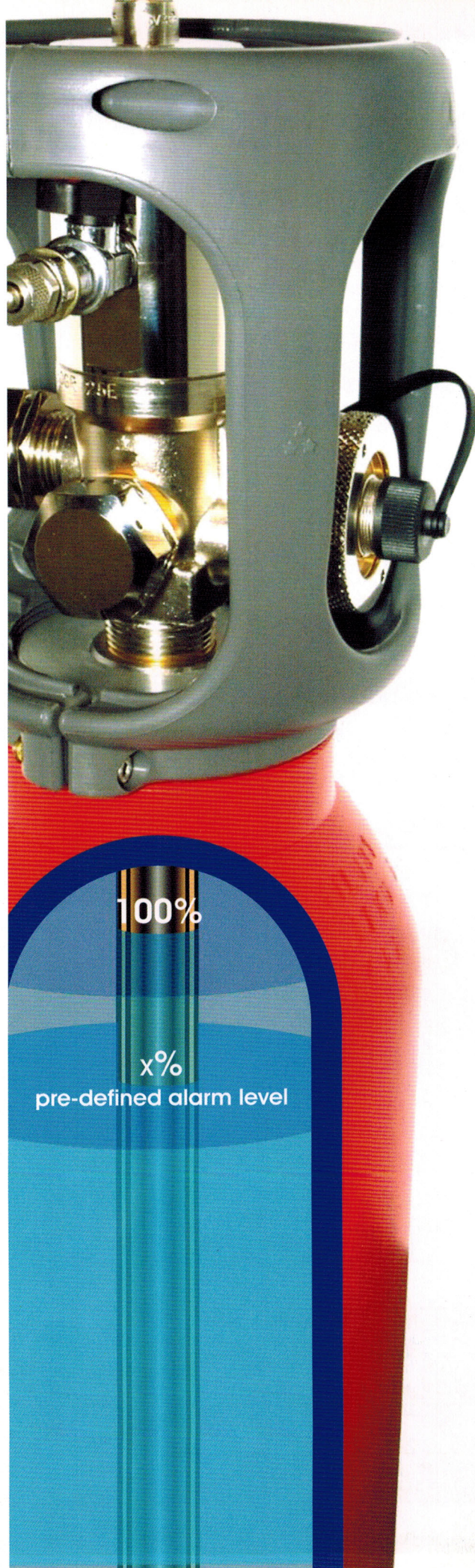
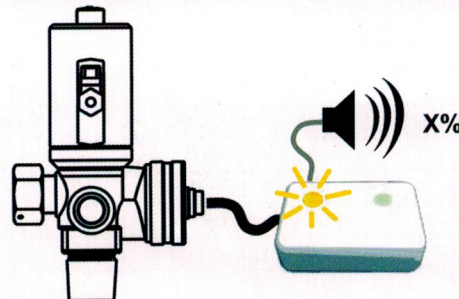
2. Calibration



3. Connect to control panel



4. Permanent contents control 24 / 7





CEODEUX FIRETEC

Your benefits:

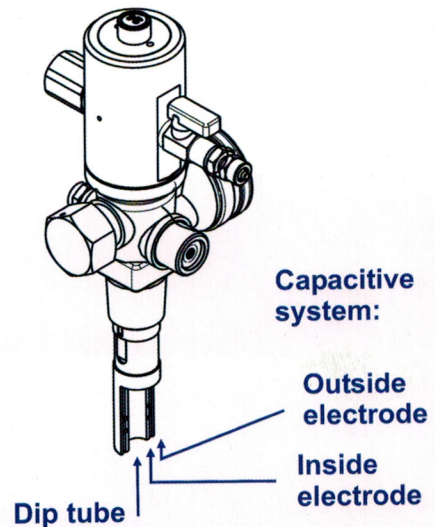
- reduce maintenance costs/intelligence maintenance
- reduce installation costs
- easy to install (integrated in the valve body)
- easy to calibrate
- easy read-out
- long distance data transmission
- highest accuracy
- no (dangerous) handling during service
- no scales required
- no manipulation possible



Total safety 24 / 7

How it works:

Dimes is a capacitive measuring method for determining the gas mass in CO₂ storage tanks. Electrodes in the cylinder form a cylindrical capacitor. The varying gas mass between the electrodes is measured by the electronics. The system is temperature compensated and gives a precise information about the content in % independent of phases, liquid, gaseous and intermediate.



Patented valve with integrated pressure regulator

Detection tube outlet

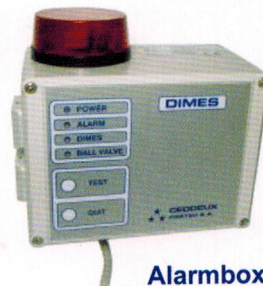
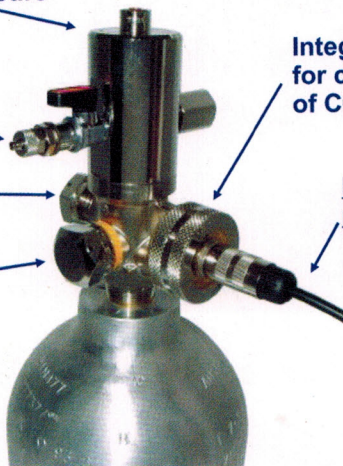
Valve outlet

Filling port

Integrated Electronics for contents control of CO₂

Multiple connection possibilities

- Alarmbox
- Calibration unit
- PC/Notebook



Alarmbox



Calibration unit

Technical Characteristics of DIMES – Electronic :	
Supply voltage :	6 to 30 VDC
Temperatur range :	- 20°C to + 60°C
Alarmlevel:	80 % (configurable)
max. Contact rating:	0,4 A
max. Switching voltage:	50 V
Protection class:	IP 67
max. power consumption:	8 mA

State/Alarm-Contact	Primary alarm	Secondary alarm	LED – State
Contents > MIN.	closed	open	green
Contents < MIN.	open	closed	yellow
Failure	open		yellow