



VIE CONTROL PANEL



Medi Smart – Delivering innovative and reliable **Medical Engineering**, tailored for the GCC healthcare sector.



Technical Data:

- ❑ Standards : HTM 02-01, HTM 2022 and C11.
- ❑ Control Panel comprises:
 - Regulators (50505-40)
 - Pressure Sensor (0-10)
 - Pressure Sensor (0-30)
 - Delta Controller (24V)
 - 7" Display (24V)
 - PRV
 - Vaporizer
 - 316 Needle Valve
 - 316 NRV
 - Cryogenic PRV
 - WIKAI Guage
- ❑ All Metal Construction
- ❑ Easy to Install



MediSmart VIE Control Panel System

Application:

Medismart's Vacuum Insulated Evaporator (VIE) Panel is engineered to receive gaseous oxygen from the VIE unit at **10.5 bar** or a standby source at **8.5 bar** and subsequently reduce the pressure to **4.2 bar** for downstream distribution.

Key Features & Components

Pressure Regulation & Relief:

Each regulator is equipped with a pressure relief valve, positioned downstream of the pressure regulating valve.



Key Features & Components

Ball Valves:

Constructed from pressure die-cast *Ametal* with a satin nickel-plated finish.

Ball plug and valve stem machined to a high surface finish and chrome-coated for enhanced resistance to wear and chemical exposure.

Valve stem includes an integral ball sealed by **Nitrile seats** and **O-ring seals**.

Nitrile seats are molded in two halves, allowing straightforward removal and replacement.



Key Features & Components

Monitoring & Gauges:

Each main regulator is fitted with precision gauges.

Inlet line pressure monitoring detects drops to preset thresholds, with contact outputs for integration with the main alarm system.

Distribution line pressure monitoring is similarly equipped to trigger alarms when pressure falls below operational parameters.



Medismart – Advancing healthcare with trusted, high-quality **Medical Engineering** across the GCC.



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