

# REFRIGERANT CHARGING UNIT

HIGH ACCURACY | HIGH FILLING SPEED



**MARPOSS**  
HeTECH

## HIGH-PRECISION GAS METERING DEVICE

Equipped with a large colour touch screen, it can be connected to our service centre for remote assistance. It is available for both standard and flammable gases with ATEX certification and in three different configurations. The metering device is the double effect piston P50D, which guarantees high accuracy for small charges, while the turbine or mass metering device is optionally available for high filling speeds.

### FILLER HEADS

**V2B0-LB**



Solenoid Vacuum Valve  
Solenoid gas Valve  
Integrated start button

**V2B0-BS**



Solenoid Vacuum Valve  
Solenoid gas Valve  
Integrated start button  
Pneumatic Q.Coupler  
Pneumatic Pin

**V3B0-BS**



Pneumatic Vacuum Valve  
Solenoid gas filling Valve  
Pneumatic Recovery Valve  
Handle with start button  
Pneumatic Q.Coupler  
Pneumatic Pin

Three possible filling heads are available, each with start button with LED, vacuum & gas valve; V2B0-LB is the basic solution, while optional V2B0-BS with pneumatic Q.C. and pin drive or V3B0-BS with recovery valve that allow the recovery of the dead space in order to achieve zero release into the atmosphere at shut-off.

DATA	UNITS	VALUE
(P50D) For charge up to 100g	g	±0.25
For charge over 100g	%	±0.25
(Turbine/Corioli) for charge up to 500g	g	±5
For charge over 500g	%	±1
Filler heads	type	V2B0-LB (V2B0-BS or V3B0-BS on request)
Filler Quick Coupler	type	HK2 (HK3, PCU on request)
Charging Speed (P50D/Turbine/Corioli)	g/sec	40/100/100
Vacuum pump displacement	m3/h	10 (up to 21 on request)
Vacuum limit	mbar	1 x 10 <sup>-4</sup>
Refrigerants type		HC, CFC, HCFC, HFC, HFO
Dimensions	cm	885x884x1323cm (LxWxH)