



GDQC-501H SF6 Vacuumizing and Filling Device



Product Description

The model GDQC-501H is mainly used for vacuumizing and vacuum degree testing during installing, running and maintaining porcelain SF6 breakers of 35-220kV, CT/PT and other SF6 equipment. It is a compact device, all filling and vacuumizing device is installed on a rugged metal car-frame. It is easy to move even on macadam road.

Product Configuration

1. Vacuum pump, 24hours continuous working without heating and losing vacuum degree.
2. Pointer vacuumometer
3. Regulating valve
4. Gas pipe

5. The required valve for SF6 breaker maintenance

6. Control part

Features

- Fast air extracting for SF6 equipment, with good sealing.
- High efficient, with fast filling for SF6 equipment.
- The mode of gas filling is flexible, air pressure is adjustable.
- Customized phase sequence protection, voltage withstand up to 500V, greatly improve the reliability.
- Air cooling and movable type. It can be used even in no water condition.
- 3phase 5wire power supply, with leakage protector.
- Handle moving type, compact and rugged, suitable for working in harsh environment.
- Ball valve using Swagelok principle, the sealing components has auto-compensation performance.
- Ball valve is applied to vacuum and pressure working condition, ensure the vacuum and pressure is not leakage.
- With wheels, easy to move.
- Complete function, small size, and less energy dissipation, low noise.
- Using digital vacuum vacuumeter, with stable performance, vacuum degree is easy to read and the measurement is accurate.
- Full automatic oil back protection system.
- One set of vacuum pump with 3chambers can be customized.
- It is helpful for testing SF6 dew point, purity, decomposition products and leakage/year leakage rate.

Specifications

Rotary-vane vacuum pump Brand	Domestic brand [2xz-15B]
Cooling type	long-time working with air cooling type for vacuum pump
Moving type	With wheels, moving by humanpower(light)
Working principle	high pressure ball valve, vacuum gauge assists vacuum pump to vacuumizing
Pumping speed(m3/h)	55
Ultimate vacuum(absolute pessure Pa)	10
Initial pressure of vacuumizing	53kPa
Final pressure of vacuumizing	30Pa
Recharge speed	5m3/h
Vacuum measuring type	Pointer vacuumeter
Measure range of vacuuumeter	0-103pa
Yearly leakage rate	≤1%
Working temperature	upper limit: +40°C lower limit: +5°C, -10°C, -30°C
Noise	≤60dB SPL
Power supply	AC 3 phase/4 core 380V±10%, 50Hz

Power(KW)	1.5
SF6 special ball valve	high pressure vacuum dual purpose ball valve(13.5MPa, no leakage)
Vacuumizing port	M2 7×1.5 three channels for option
Steel wire braiding rubber hose will be supplied before leaving factory	M27×1.5×10m/piece
Weight(kg)	66
Size (mm)	800*560*770(or reference)
Appearance color	Silver gray