RDQH -63/200K6 SF6 Gas Recovery And Purification Unit

As an insulating gas, SF6 gas has non-toxic, non combustible and good insulating properties. Its insulating strength is much higher than that of traditional insulating gas, and it has good arc extinguishing property. Therefore, SF6 gas is widely used in SF6 Electrical appliances. Because SF6 gas is expensive, and under the action of arc, electric spark and corona discharge, it will decompose and produce toxic components. Therefore, SF6 gas needs to be recovered when SF6 Electrical equipment is used. The device is a special equipment for recovering and filling SF6 gas when manufacturing and maintaining SF6 Electrical equipment.

✧ Product characteristics

1. Adopts the design principle of internationally advanced high-pressure liquefaction method, which greatly improves the recycling work efficiency.
2. Equipped with a self-regenerating dry filter.
3. Capable of pressing SF6 gas into steel cylinders.
4. The flow chart is drawn on the PLC touch screen, making the operation simple and clear.
5. Adopts air-cooling and mobile design, which can be used in the absence of water sources.

✧ Product specifications and technical parameters

1. Basic parameters of the device

Type		High-pressure liquefaction, air-cooled, hand-pushed mobile
Operation Mode		Fully automatic PLC control
Working Environment Temperature		–10℃～40℃
Recovery	Initial pressure (bar)	≤30
	Final pressure (MPa)	≤-0.05
Inflation	Initial pressure	≤133

	Final pressure (bar)	≤10
Ultimate Vacuum		≤0.2
Annual Leakage Rate		≤0.5%
SF6 after Recovery	Moisture (PPM/V)	≤60
Gas Purity	Oil content (PPM/G)	0
Storage	Storage mode	Liquid state
	Pressure (bar)	39
	Volume (L)	200
	Liquid storage capacity (kg)	200
Liquefaction method		Freezing liquefaction
Dry Filter Regeneration Mode		Vacuum heating activation regeneration
Power Supply		3Φ 415V 60HZ
Total Power (kW)		≤13
Noise dB(A)		≤75
Equipment Self-weight (kg)		≤1000

2. Main Component Parameters

	Form		Air-cooled piston
SF6 Compressor	Theoretical Exhaust Volume	m^3/h	18
	Maximum Exhaust Pressure	bar	30
	Permissible Exhaust Pressure	bar	28
	Minimum Permissible Suction Pressure	mbar	50
	Maximum Permissible Suction Pressure	bar	5
	Maximum Exhaust Temperature	**℃**	130
	Lubricating Oil		NO100
	Power	kW	3
Vacuum Pump	Pumping Rate	m^3/h	63
	Ultimate Vacuum	mbar	≤1
	POWER	kW	2.2
Container	Container Category		Class II
	Design Pressure	bar	39
	Design Temperature	℃	100
	Storage Container Volume	L	200
	Storage Container Liquid Storage Capacity	kg	200