HEXA-L

SF_6 Gas Handling Cart

MAKE IN INDIA

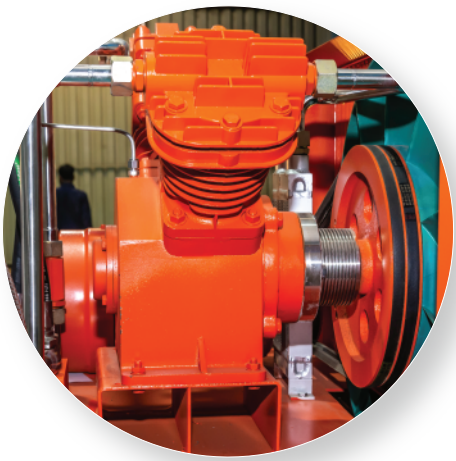
IEC As per IEC directives *

VPI

Vacuum Plant & Instruments
Mfg. Co. Ltd.

Dimension Sheet & Technical Specs

Type: **HEXA-L-20-50-600-SP30-VP100**



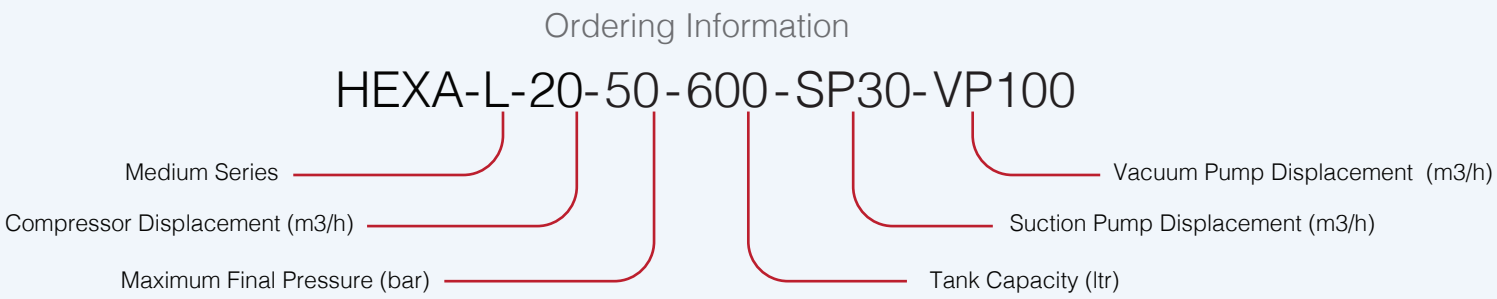
Note: Image above is for representation purpose only.

Pressure Tank	Maximum Pressure 51 bar	Storage Volume 600 liters	SF6 Storage Capacity 580 kgs	Test Pressure 75 bar	Operating Temperature 0 to 50° c
Cart Dimensions (Approx)	Length 2910 mm	Width 1250 mm	Height 2100 mm	Approx Weight 2300 kgs	Operating Temperature 0 to 50° c
Compressor	Displacement 20 m^3/hr	Final Pressure 51 bar	**Suction Pump**	Displacement 30 m^3/hr	Final Vacuum ≤ 1 mbar
Vacuum Pump	Displacement 100 m^3/hr	Final Vacuum <1 mbar	**Filter Spec**	Particle/Dust Filter Rating 1 µm	Dry Filter Water Adsorption Capacity 150 gms+
Electrical Connection	Sound Level < 85 dB(A)	Operating Voltage 415V, 50Hz, 3 Phase	Admissible Ambient Temperature 0 to 50° c		Paint Shade RAL 5018

*IEC * : Contact us for more details.*

+ Considering that SF6 gas contains 8ppm moisture at the inlet of the dry filter.

Ordering Information



Salient features

- 100% Oil-less reciprocating piston compressor
- Customizable compressor capacities up to a certain limit
- Best in class SF_6 recovery of up to ≤ 1 mbar
- Twin dry filters
- Easy control panel operation via HMI
- Step by step assistance via HMI for the operator for each process of the service cart
- Rugged & built in India for Indian conditions

100% Oil-less high capacity vacuum pump if chosen

General Specifications

- Large 10 inch touch HMI for easy visibility & operation
- Facility for on-board SF_6 storage (bottles as an option if required)
- On-board storage tank with digital weighing system
- Inbuilt dew point measurement module +20^{o}C to -80^{o}C
- Portability - Lifting hooks at all 4 top corners
- Tyre is Solid rubber with roller breaks
- Hose length options - 5m / 15m

Cart Functions

Air Evacuation

- This is the most basic function of the SF_6 gas service cart.
- When a new GIS is assembled or GIS maintenance is completed, the air from the complete GIS must be removed up to a certain vacuum value before filling SF_6 gas in GIS.
- Once the required vacuum is achieved the vacuum pump duration can be prolonged via a settable timer provided on the HMI

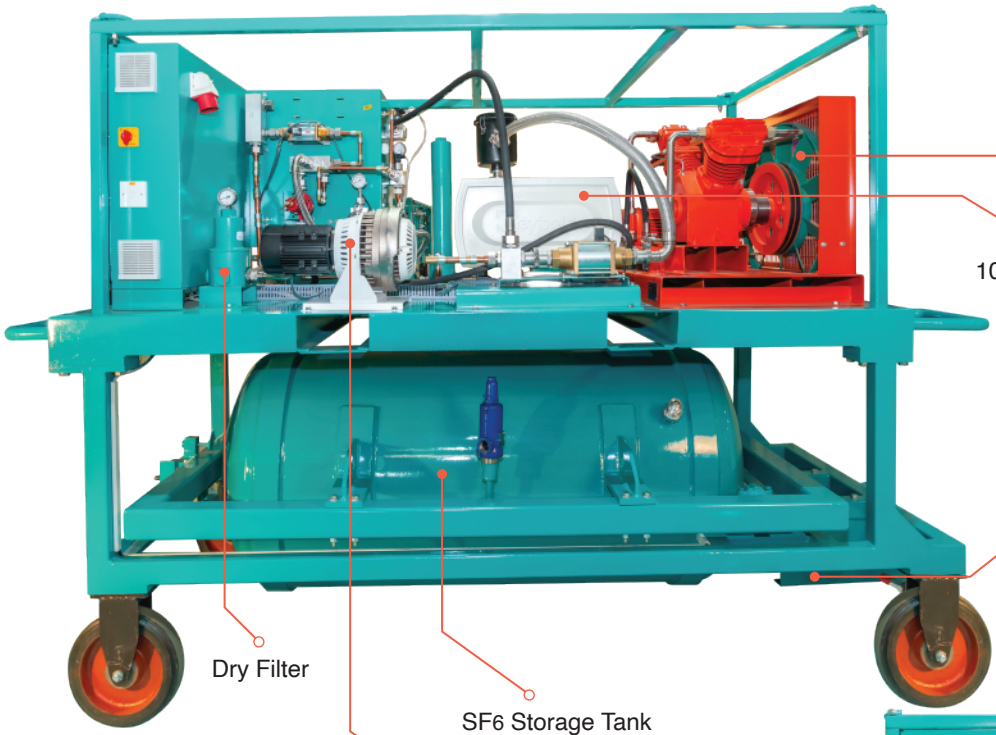
SF6 Filling

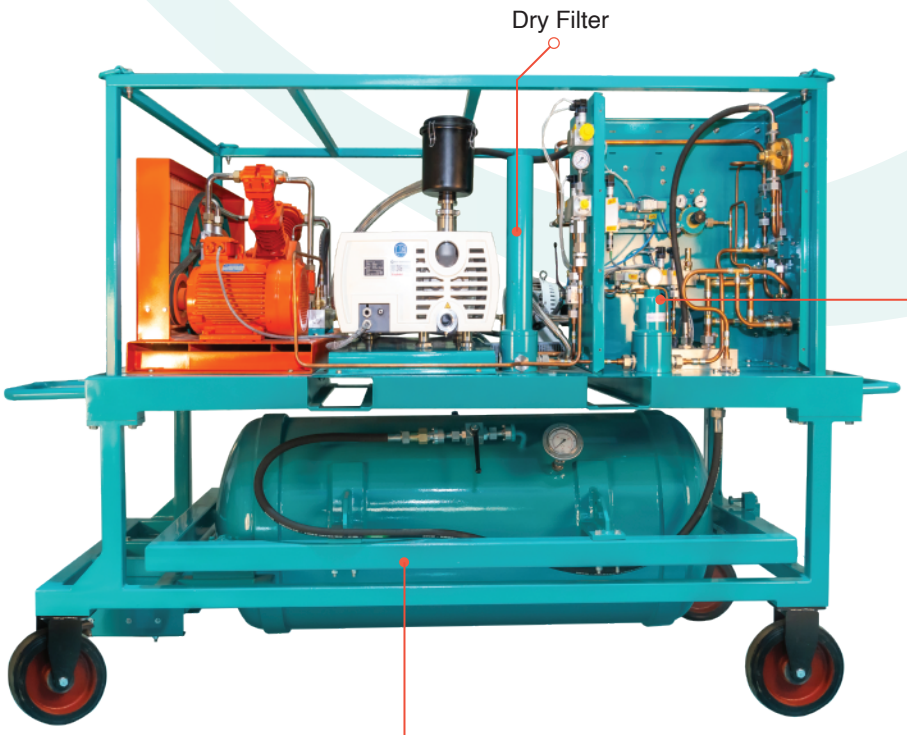
- Using this process the GIS is filled with SF_6 gas up to the required pressure. Safety valve & pressure regulator is provided to allow good control of the SF_6 filling process & to avoid over-filling.
- During the filling process, the SF_6 gas passes through a dry filter & particle filter for arresting particulates & moisture/ SF_6 by-products.

SF6 Recovery

- During the normal working of the GIS, it may require maintenance/servicing.
- Before starting the maintenance/ servicing work on GIS the first step is to recover the SF_6 up to the required pressure (Vacuum).
- The required recovery pressure is settable via HMI.
- During the recovery process, SF_6 gas is filtered for particulate contamination, moisture/ SF_6 by-products are adsorbed by dry filter after which it is stored in the on-board storage tank on SF_6 cart.

Cart Components





Accessories

SF6 Bottle Filling Hose

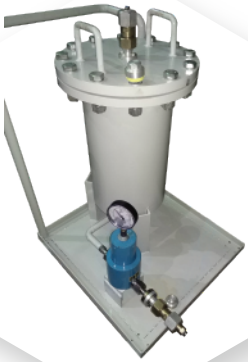
Portable Vacuum Pump

SF6 Refilling Device

DN 20 to DN 8 converter

Hose Multiplexer

SF6 Gas Bottle Adaptors



Mobile Dry Filter

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