

SF6 Gas Recovery **BOOSTER PUMP**

**Emission
reduction**

Contribution to global
warming countermeasures

**Shorter
collection time**

Efficient Maintenance work



※ Photos may differ slightly from the actual product.

NHV Corporation

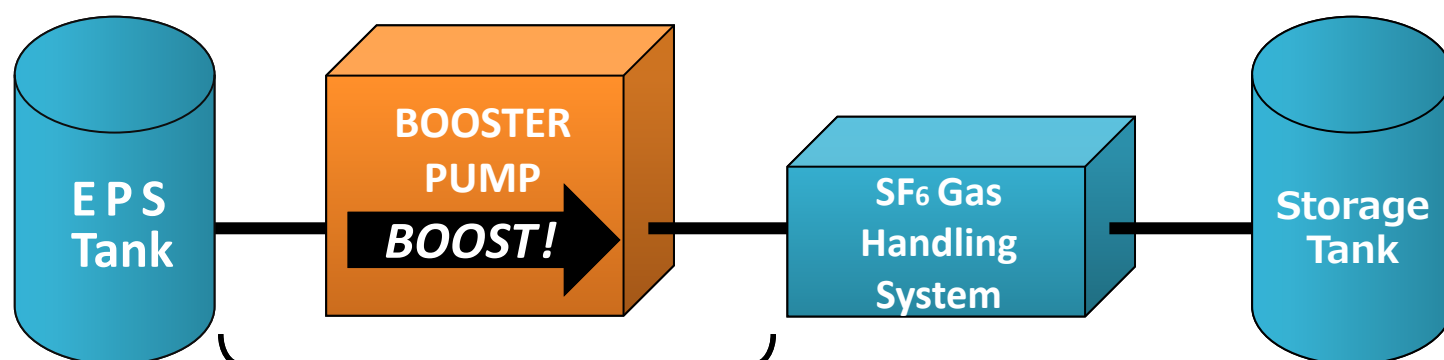
18NHV4202R3

BOOSTER PUMP

An Electron beam Processing System uses SF₆ gas to insulate the high-voltage power supply. SF₆ Gas is defined as a greenhouse gas under the Law Concerning the Promotion of Measures to Cope with Global Warming and is subject to control. It has a very high global warming potential of 22,800 and reducing its emissions is one of the most important issues for the global environment.

Booster pumps can be used during the maintenance of electron beam processing system. By use of a booster pump, the SF₆ gas can be recovered faster and with lower escaped emissions resulting in a more environmentally friendly process.

System Composition

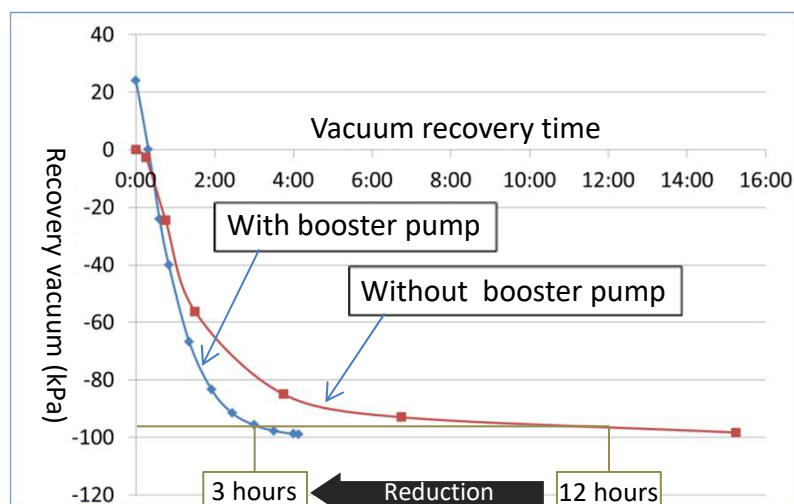


Connect a booster pump between the EPS tank ⇔ SF₆ Gas handling system.
If the piping distance is long, a greater effect can be expected.

Effect (Actual value when recovered in a tank of approx. 20m³)

Reduction of atmospheric emissions (unrecovered amount)! 5 kg ⇒ 1.7 kg (reduction of about 80 tons in terms of CO₂)

Reduced vacuum collection time! 12 hours ⇒ 3 hours



Outline specification table

Supply voltage		3phase 200~220V 50/60Hz
Vacuum pump power		2.2 kW
Mating flange		JIS10K50A
Self-running line pressure		0.7 MPa
Outline size	Width	620 mm
	Length	950 mm
	Height	980 mm
Weight		About 220 kg

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