



## **Filter for Anechoic Chambers**

**1000Vdc, 16A-250A**

Type: RPF282C-16...150/1000VDC

RPF182C-200...250/1000VDC

Jiangsu REMC Electronic Technology Co., Ltd.  
No.29, Chuangzhi Industrial Park, Liyang, Jiangsu, China

TLE: +86 519 87289188

FAX: +86 51987693666

E-mail: [sales@remc-filter.com](mailto:sales@remc-filter.com)

[emcfilter@163.com](mailto:emcfilter@163.com)

1000Vdc, 16A-250A

For Anechoic Chambers/Shielding Rooms

Restrain the conductive and radiation

Insertion loss to CISPR 17



### **Features:**

The electronic components are installed in the sealed stainless steel housing

The cables enter through glands or Conduit Screw

Independent line composed of single chokes

The insertion loss values are not reduced with artificial mains networks (AMN) or other equipment with high leakage currents

### **Discharge Resistors:**

For enhanced safety, all power line filters are fitted with internal discharge resistor, these are intended to discharge the capacitors to a safe voltage within 3 minutes of removing power from the filter

### **Installation:**

The installation process does not require welding. It is only installed with Conduit Screws and fixing screws

The surface around the fixing holes is left as bare metal (unpainted) to ensure EMI gasket contact with metal surfaces (chassis, ground)

### **Scope of supply:**

The filter provides complete mounting accessories (including fixing screws, Conduit Screw, nuts, flat gasket, EMI gaskets, Cable Gland).

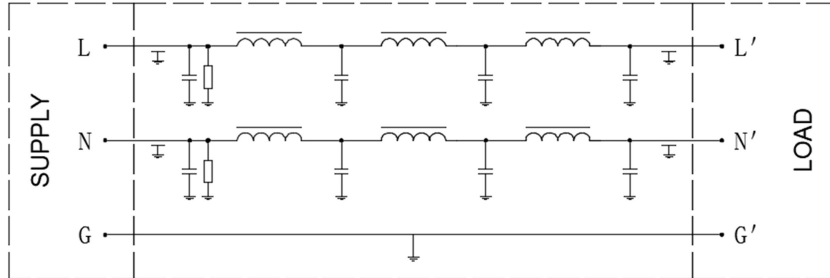
### Technical Data

Rated voltage 2-line filters	$V_R$	1000VDC	Line/line Line/case
Rated frequency	$f_R$		
Rate current	$I_R$	See characteristics	Referred to +40 °C ambient temperature
Test Voltage	$V_{test}$	1500 VDC, 2 s 1500 VDC, 2 s	Line/line Line/case
Permissible ambient temperature	$T_A$	-25°C~40°C	
Leakage Current	$I_{Leak}$		
Reactive Current	$I_{reactive}$		
Climatic category		25/085/56	

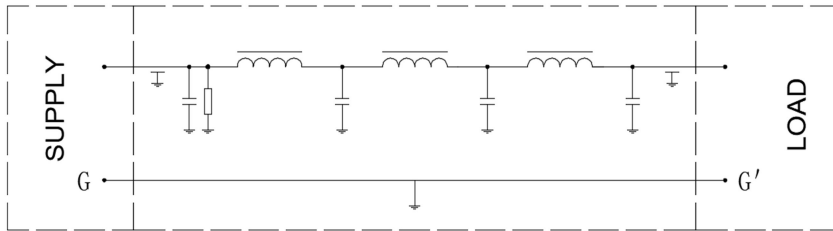
### Product Range

Type	$I_R$ (A)	Terminal connection		Insertion loss
		In put	Out put	
RPF282C-16/1000VDC	2×16	M6	M6	<b>100dB, 14k~40GHz</b>
RPF282C-32/1000VDC	2×32	M6	M6	
RPF282C-63/1000VDC	2×63	M6	M6	
RPF282C-100/1000VDC	2×100	M12	M12	
RPF282C-150/1000VDC	2×150	M12	M12	
RPF182C-200/1000VDC	1×200	M12	M12	
RPF182C-250/1000VDC	1×250	M12	M12	

Typical circuit diagrams

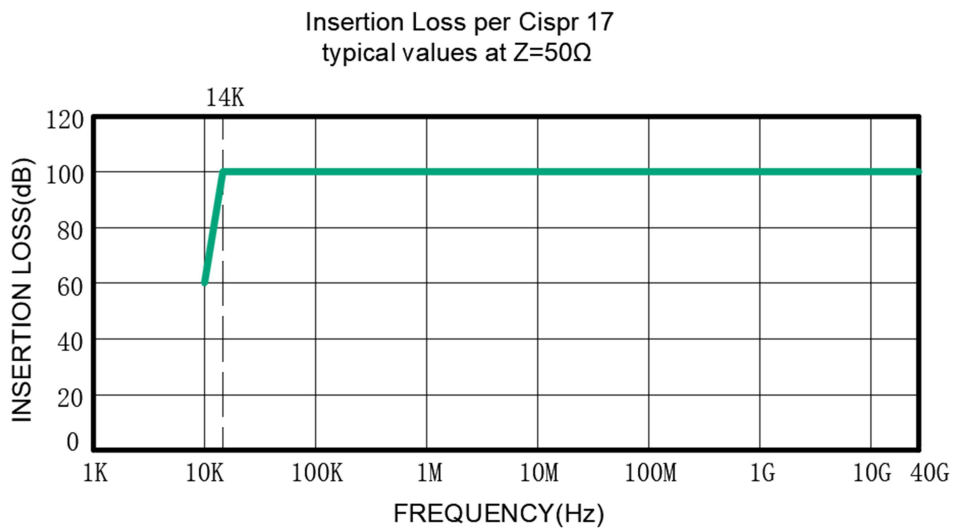


2-line filters



1-line filters

Attenuation diagram (100 dB@14kHz-40GHz)



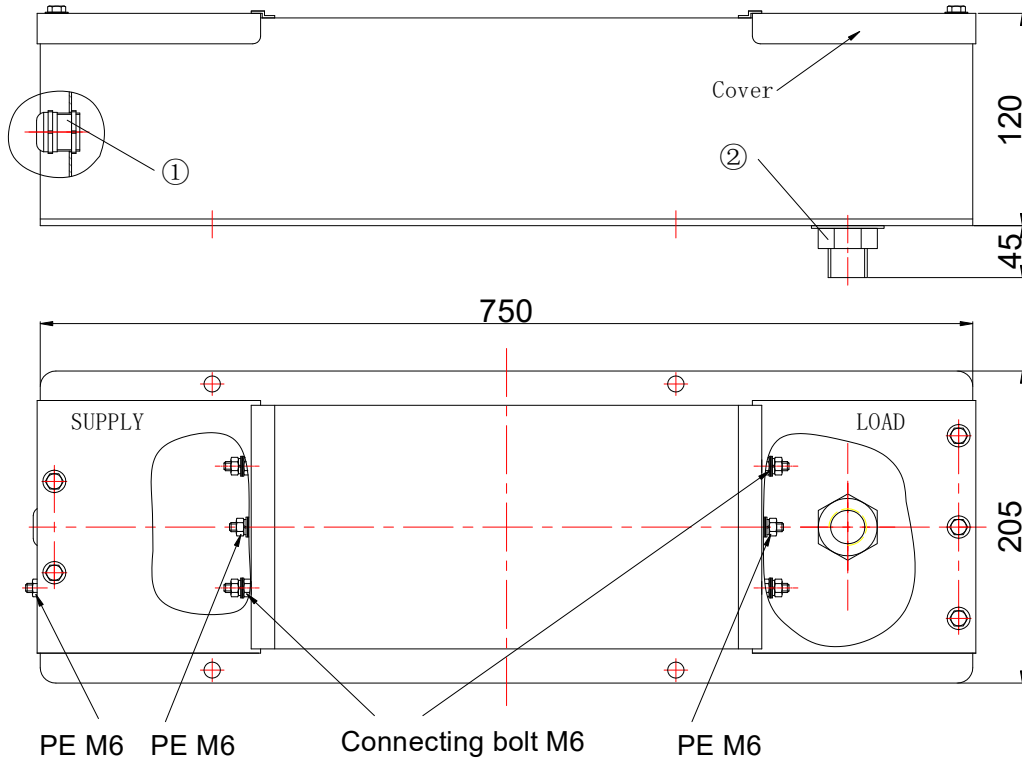
1000Vdc, 16A-250A

**Dimensional drawing 1**

**2 x 16A**

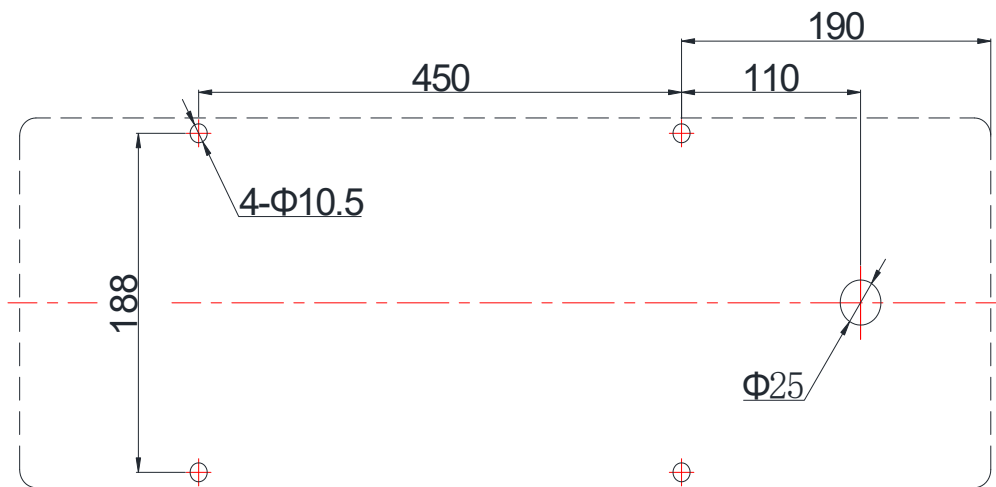
**2 x 32A**

RPF282C-16/1000VDC、RPF282C-32/1000VDC



- ① Cable Gland M25 (  $\phi$  10~16 )
- ② Conduit Screw M24 (  $\phi$  15 )

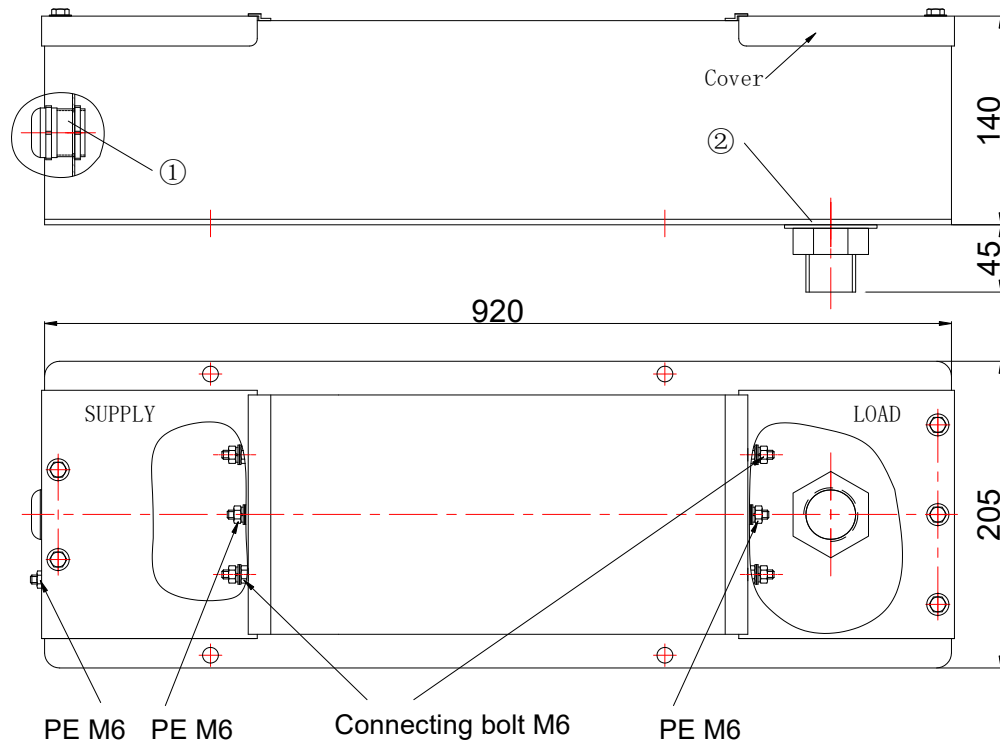
**Fixing dimensions**



**Dimensional drawing 2**

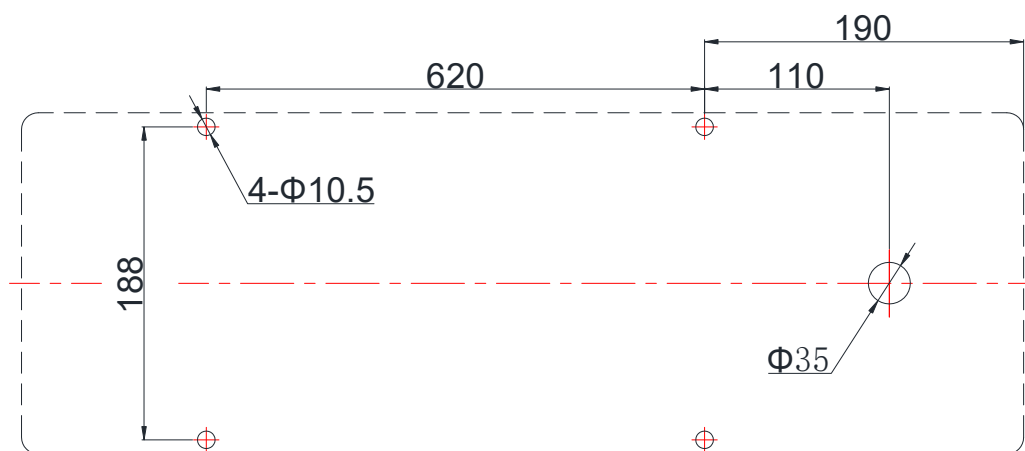
**2 x63A**

RPF282C-63/1000VDC



- ① Cable Gland M32 (  $\phi$  18~25 )
- ② Conduit Screw M33 (  $\phi$  24 )

**Fixing dimensions**



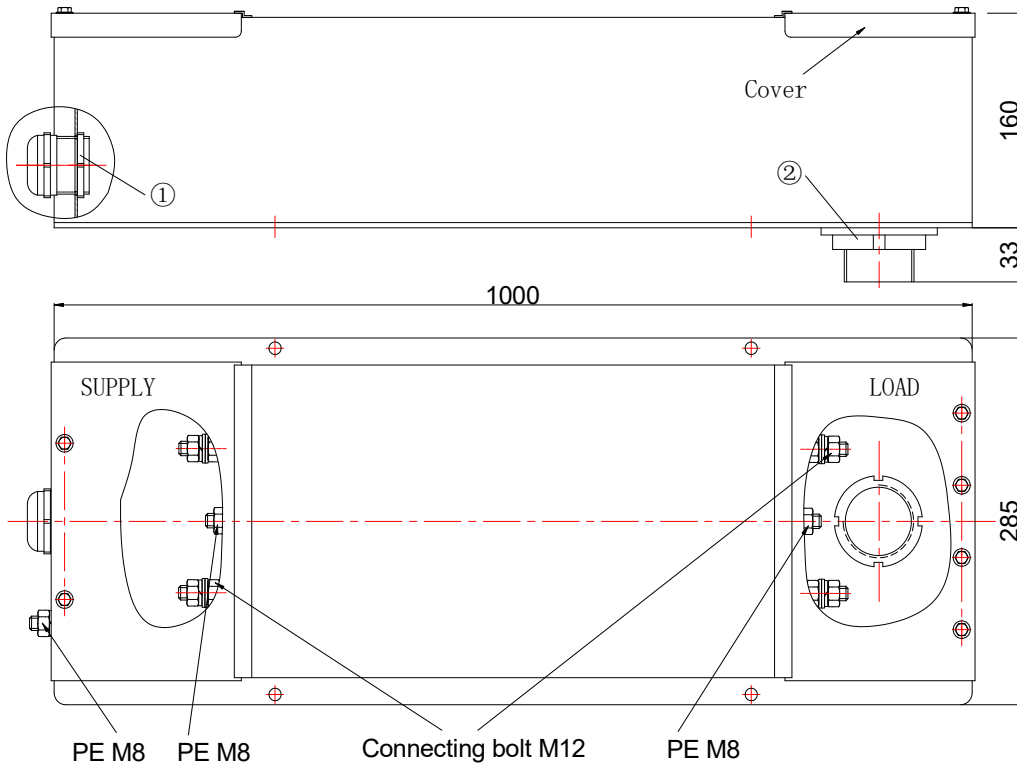
1000Vdc, 16A-250A

**Dimensional drawing 3**

**2 x 100A**

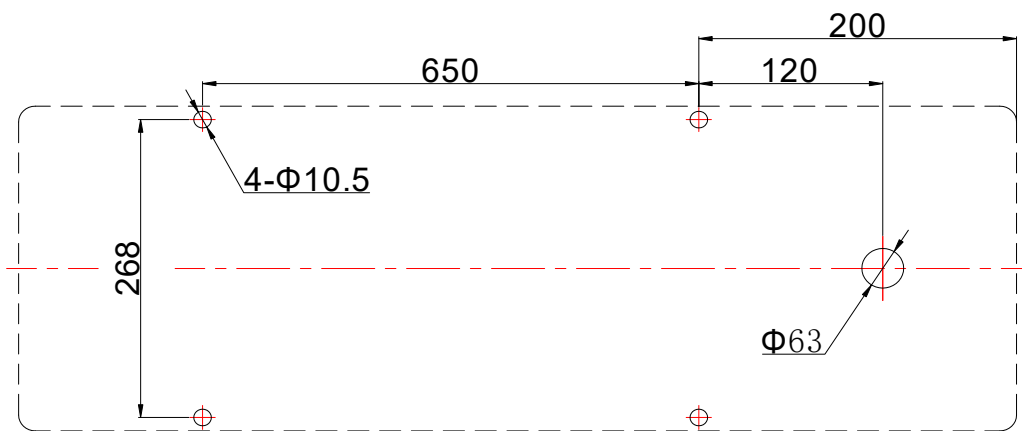
**2 x 150A**

RPF282C-100/1000VDC、RPF282C-150/1000VDC



- ① Cable Gland M63 (  $\phi$  44~51 )
- ② Conduit Screw M60 (  $\phi$  50 )

**Fixing dimensions**



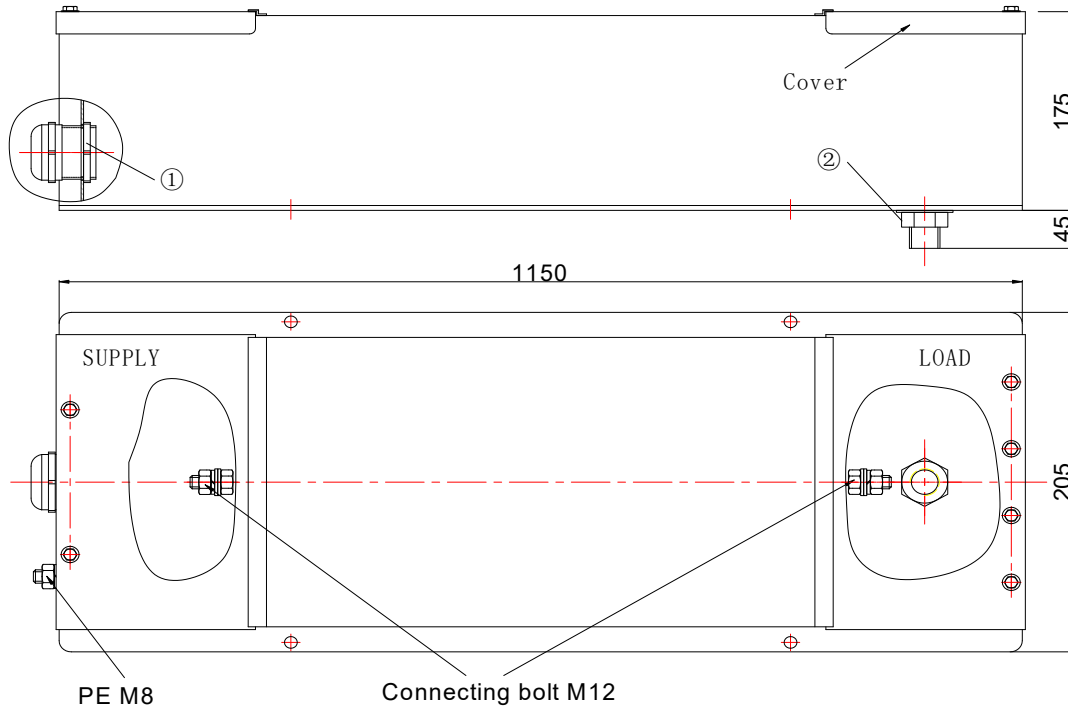
1000Vdc, 16A-250A

## Dimensional drawing 4

1 x 200A

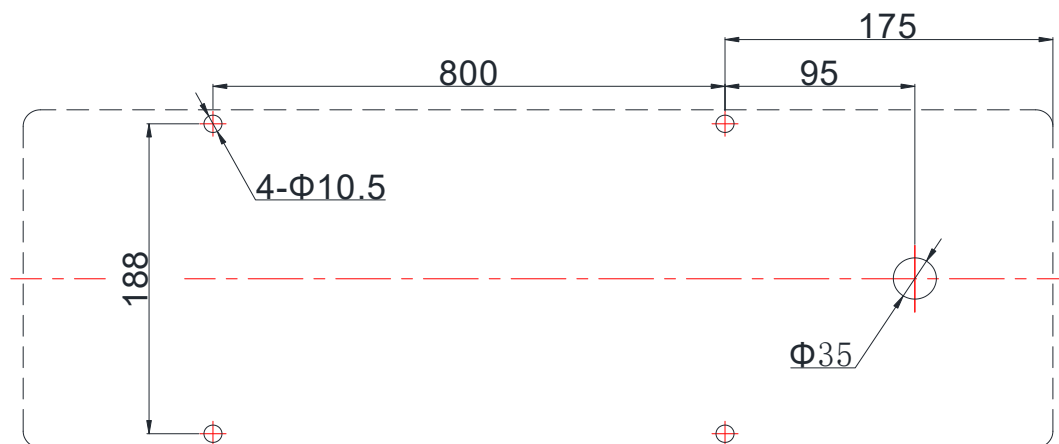
1 x 250A

RPF182C-200/1000VDC、RPF182C-250/1000VDC



- ① Cable Gland M32 (  $\phi$  18~25 )
- ② Conduit Screw M33 (  $\phi$  24 )

## Fixing dimensions





Please read all safety and warning notes carefully before installing the filter and putting it into operation. The same applies to the warning signs on the filter. Please ensure that the signs are not removed nor their legibility impaired by external influences.

Death, serious bodily injury and substantial material damage to equipment may occur if the appropriate safety measures are not carried out or the warnings in the text are not observed.

### **Warning**

- It shall be ensured that only qualified persons are engaged on work such as installation, operation, repair and maintenance.
- Using according to the technical data (Rated voltage, Rated frequency, Rate current and the place of application)
- The protective earth connections shall be the first to be made when the filter is installed.
- Filters contain components that store an electric charge. After removing wait 3 minutes then short out all terminals before touching.
- Disconnect the mains supply before removing the cover of the filter.
- Because the product can become very hot during operation. So do not touch the case! Allow to cool before servicing.