

# PSF/CIC

## PD Test System Accessories

■ The **PSF & CIC** Are used in many of the PD test systems we sell. The Power Separation Filters (PSF) range in values of 25kV/1nF all the way up to 400kV/4nF. They allow for a PD free constant connection in the high voltage circuit and can be used as the interface between the circuit under test and the PD detectors. The Calibration Injection Capacitors (CIC) range in values from 25kV/100pF to 300kV/100pF which are used to inject a calibrated level of Partial Discharge into a circuit for detector calibration under varying loads.



**PSF-100/1/DDX**



**CIC 100**

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### Features

- ☑ **PD Free** design < 2pC
- ☑ **High Accuracy** capacitance values  $\pm 1\%$
- ☑ **Easily integrated** into test circuit
- ☑ **Separate ground** connections
- ☑ **Variety of voltage levels** available to meet all the testing requirements

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### Applications

PD testing of:

- Power Cable
- Distribution and Power Transformers
- MV and HV Switchgear
- Power Circuit Breakers
- Gas Insulated Switchgear
- Bushings
- Shunt Reactors
- Potential Transformers and Current Transformers
- Power Factor Correction Capacitors
- Line Insulator Products
- Lightning Arrestors
- High Voltage Laboratories
- HV Components
- Insulating Materials of All Types

## Technical Specifications

Part number	Voltage (kV)	Capacitance (nF)	Dimensions*	Weight*
PSF25/1/***	25	1	381x 314	8
PSF50/1/***	50	1	381x 314	10
PSF100/1/***	100	1	381x 314	18
PSF200/1/***	200	1	381x 314	38
PSF300/1/***	300	1	1219 (Dia)	78
PSF400/1/***	400	1	2438 (Dia)	280
PSF25/4/***	25	4	381 x 314	11
PSF50/4/***	50	4	1219 (Dia)	44
PSF100/4/***	100	4	1219 (Dia)	63
PSF200/4/***	200	4	1829 (Dia)	284
PSF300/4/***	300	4	2438 (Dia)	315
PSF400/4/***	400	4	1219 (Dia)	471
CIC-25	25	0.1		
CIC-50	50	0.1		
CIC-100	100	0.1	343 x 343	12
CIC-200	200	0.1		
CIC-300	300	0.1		
CIC-LV/50	LV	NA		

\* Dimensions & Weights are approximate

## Scope of Supply

Qty. 1 High Voltage termination  
 Qty. 1 Free standing base  
 Qty. 1 Calibration certificate

## Ordering Information

PSF 100kV @ 4nF      **PSF100/4/DDX**  
 CIC 100kV @ 0.1nF      **CIC-100**

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