

# PQI HarMitigator™

## *I<sub>0</sub>Filter™*

### Zero-Sequence Filter for High K-Factor Loads

A Solution for Voltage Distortion and Network Communication Problems

#### SELECTION TABLES

Neutral Amps.	KVA	Enclosure Size (Inches)	Weight (lbs.)*
25	5.5	15.50W x 11.00D x 14.25H	85
40	9	15.75W x 15.50D x 21.00H	120
60	13	15.75W x 15.50D x 21.00H	135
75	16.5	20.25W x 13.50D x 18.25H	165
100	22	20.25W x 13.50D x 18.25H	210
150	33	20.25W x 18.25D x 18.25H	240
175	38	20.25W x 18.25D x 26.50H	300
225	40	20.25W x 18.25D x 26.50H	310
250	55	20.25W x 18.25D x 26.50H	340
300	66	24.50W x 21.50D x 31.50H	375
350	77	24.50W x 21.50D x 31.50H	400
500	110	24.50W x 21.50D x 31.50H	525
600	132	30.75W x 27.75D x 30.75H	690
800	176	30.75W x 27.75D x 30.75H	860
1000	219	30.75W x 27.75D x 30.75H	900
Other	TBD	TBD	* = Approx

The above weights and measures apply to filters up to 600V with a NEMA 1 enclosure and a standard temperature rise (150°). Multiple output units and some options may change the enclosure size and weights. Consult PQI for detailed product information for these and other configurations. Enclosure provided will be determined by PQI unless otherwise specified.

#### TECHNICAL SPECIFICATIONS

UL Listed

CSA Approved

Related Standards: CSA C9-M1981, CSA 22.2 No.47-1977  
CSA C802.2-00, UL-506, ANSI C75.110  
NEMA ST-20, NEMA TP-1

Voltage Class: 1.2kV [Standards to 35kV]  
BIL Rating: 10kV [Standard for Class]  
Voltage: 380/220 [All Standards to 35kV]  
Frequency: 50Hz [60Hz][400Hz][Other]  
Type: ANN  
Temp. Rise: 150° C [130°C][115°C][80°C][Other]  
Insulation Class: 220° C

**PQI HarMitigator™ & I<sub>0</sub>Filter™ for High K-Factor Loads**  
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#### Definitions

Type: Z (Parallel – Shunt)  
YV (Series – Directional)  
ZV (Series – Non-Directional)  
ANN Cooling Medium – Air, Internal & External Circulation - Natural  
Hz: Frequency  
kVA: Power Rating of Filter  
V: Voltage  
Temp: Temperature Rise 150°C (Standard)  
[130°C][115°C][80°C] [Other]

#### Options

Phase Shift: 0°, 15°, 20°, 30°, 40°, 45° [Other]  
[Type YV only]  
Enclosure NEMA 1: N1 (Standard)  
NEMA 3R: N3R (Optional)  
Other: (Optional)  
Analog Meter: [Measures Neutral Current] (Optional)  
TS: Thermal Sensors  
Color: PQI White [ASA 61 Gray][Other]

#### Catalogue Number Configuration

Type(Phase Shift)–Hz–kVA–V–Temp–Options

#### Sample Catalogue Number

Z– 60–009–120/208–150–N3R



PQI Warranty - 10 years pro-rated.

All specifications are subject to change without notice. Revision 1, January 2005  
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