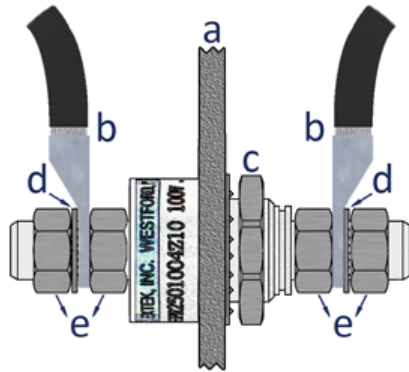


Mounting Configuration (Typical)



- a. Mounting Panel
- b. Lug / Wire
- c. Mounting Panel Nut
- d. Lock Washer
- e. Electrode Lug Nuts*

*HPR400 has a single outside nut on each end

Installation Torque Recommendations

NOTE: Electrode Nuts (e) must be tightened using the Two-Wrench Method...Place an open end wrench on the electrode nut closest to the mounting panel (a) and a calibrated torque wrench on the outer electrode nut on the same side...Tighten nuts against one another.

The "two wrench method" will prevent any torque from developing between the electrode and the HPR body.

Thread	Amps (RMS)	Model	Length x Diameter Inches (mm)	Torque Rating for Electrode Lug Nuts (e)	Torque Rating for Mounting Panel Nut (c)	Datasheet Link (.PDF)
SAE (Inch)	50	HPR050	2.17" x 0.94" (58.1 x 23.9)	14 in-lbs (1.6 N·m)	60 in-lbs (6.7 N·m)	HPR050
	100	HPR100	2.56" x 1.00" (65.0 x 25.4)	45 in-lbs (5 N·m)	100 in-lbs (11 N·m)	HPR100
	175	HPR175	3.35" x 1.13" (85.1 x 28.7)	120 in-lbs (13 N·m)	200 in-lbs (22 N·m)	HPR175
	250	HPR250	4.00" x 1.25" (101.6 x 31.8)	250 in-lbs (28 N·m)	300 in-lbs (34 N·m)	HPR250
Metric	55	HPR055	2.09" x 0.88" (53.0 x 22.3)	14 in-lbs (1.6 N·m)	60 in-lbs (6.7 N·m)	HPR055
	140	HPR140	2.63" x 1.00" (66.7 x 25.3)	70 in-lbs (8 N·m)	100 in-lbs (11 N·m)	HPR140
	400	HPR400	3.70" x 1.31" (93.0 x 33.3)	200 in-lbs (22 N·m)	300 in-lbs (34 N·m)	HPR400
Next Generation	300	HPR300	1.34" x 1.38" (34.0 x 35.0)	144 in-lbs (16 N·m)	300 in-lbs (34 N·m)	HPR300

Safety Tips

- ✓ Never install, adjust, or touch a filter while circuit is active!
- ✓ Disable power system before attempting service
- ✓ Observe safe handling techniques appropriate for the voltage & current levels
- ✓ Cover exposed electrode nuts
- ✓ Avoid accidental contact with metal, including jewelry

Installation Tips

- ✓ Tighten the electrode nuts to the torque specified with the two wrench method
- ✓ Put Lug/Wire/Bus Bar against inner nut (or flange for HPR400)
- ✓ Put lockwasher on "last", closest to outside nut
- ✓ Use Lugs with minimum size holes to increase current flow area
- ✓ Do Not Use thread locker

Application Tips

- ✓ The filter should be mounted in a grounded shielding panel
- ✓ Observe temperature, current, & voltage limits
- ✓ For applications requiring repeated installation, use Belleville spring washers - Current Handling may be slightly reduced for two-nut units
- ✓ Use adequately sized wires, lugs, or bus bars for current level
- ✓ Use non-penetrating coatings only