

Purpose: Describe Banner Engineering's test procedure to establish IP and NEMA high-pressure, power wash ratings.

NEMA High-Pressure, Power Wash Test PW 12 *(as described by NEMA ICS 5, Annex F-2002)*

Pressure:

- 8.3 MPa +/- 0.7 MPa (1200 psi +/- 100 psi)

Water Temperature:

- 60° C +/- 5° (140° F +/- 9°)

Flow Rate:

- 3.8 liters per minute (1 gallon per minute)

Spray Distance:

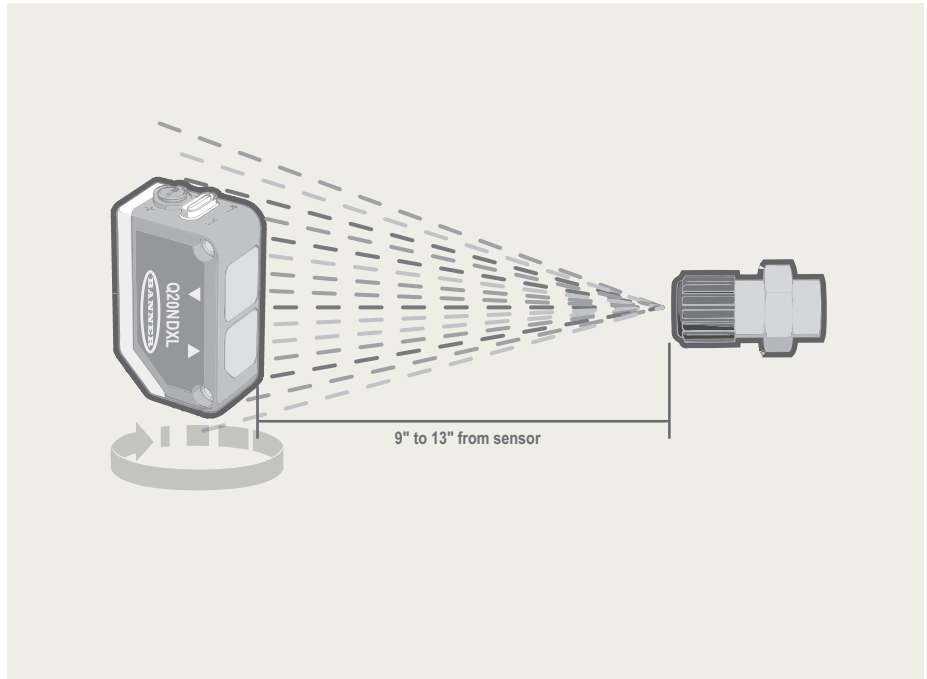
- 228 - 330 mm (9 - 13 inches)

Spray Direction:

- All angles, all directions, particularly joints, gaskets, cable entrances, mating components

Test Cycle:

- Minimum 5 minute spray, 30 minutes off
- Repeat 5 times



IEC High-Pressure, Power Wash Test IP69K *(as described by DIN 40050-9, German version of IEC 60529)*

Pressure:

- 8.0 MPa - 10.0 MPa (1160 - 1450 psi)

Water Temperature:

- 80° C +/- 5° (176° F +/- 9°)

Flow Rate:

- 14 - 16 liters per minute (4 gallons per minute)

Spray Distance:

- 100 - 150 mm (4 - 6 inches)

Spray Direction:

- 30° steps, while rotating test object at 5 rpm

Test Cycle:

- Spray water for 30 seconds at each nozzle position

