

# ZChek F9W

## Water Suspensible Fluorescent Magnetic particle

ZChek-F9W is composed of magnetic particles encapsulated in fluorescent pigment and non-ionic surfactants, corrosion inhibitors and anti foaming agents. It is used in wet method magnetic particle testing when water is employed as the bath vehicle. Its bright green fluorescent color contrasts well with purple background of metal surface. A totally darkened inspection area is not required due to intense brightness of ZChek-F9W.

### Specifications / Approvals

- ASTM E 709,
- ASME B & PV Code, Sec. V,
- AMS 3044

### Applications

ZChek-F9W is designed to detect medium to fine surface and slightly subsurface discontinuities like inclusions, seams, shrink cracks, tears, laps, flakes, welding defects, grinding cracks, quenching cracks, and fatigue cracks.

### Typical Properties

Color Under White Light	Green
Color Under Black Light	Green Fluorescence
Mean Particle Size	10- 15 Microns
Sensitivity	7
Max. operating Temperature	48.9°C Maximum

### Direction for use

Use F9W at 10.75 – 11 grams per liter. Run the pump for 15 minutes before testing.

- Check the concentration before use at least once each day using centrifuge tube.
- Parts should be clean and dry prior to testing.
- The bath must be under continuous agitation
- Using the wet continuous method, the bath is applied to all surfaces of the part. The instant the bath stream is removed from the part the magnetizing current is applied.

**Packaging – Available in 1 kg & 5 kg Container.**

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Disclaimer: We have taken best care to ensure that the information provided in this data sheet is accurate. Our product is guaranteed to conform to the specifications provided. We make no other warranty; hence the liability is limited to replacement of product only.

ISO 9001 Certified

