

Changes in Industry Standards

What and Why

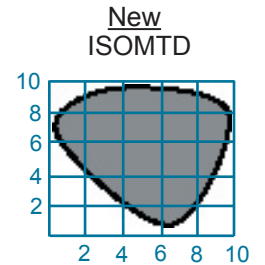
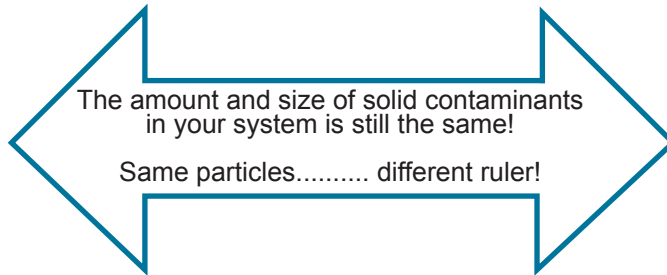
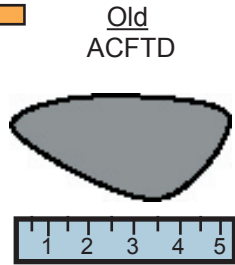
1 Newer technologies allow us to measure and report particle sizes more accurately. A new “ruler” is used to classify these particles.

In the past, particle sizes were determined by measuring only one of the diameters. This would be accurate if all particles were spherical shaped. Today, we can look at a “real world” particle and consider the area of the face of the particle to make our classification. This makes our measurements more accurate.

It would all be much easier if all particles were spherically shaped. Unfortunately they are not.

This is a 4 micron particle. What about this one?

2 Development of a new standard test dust for measuring and defining system cleanliness.

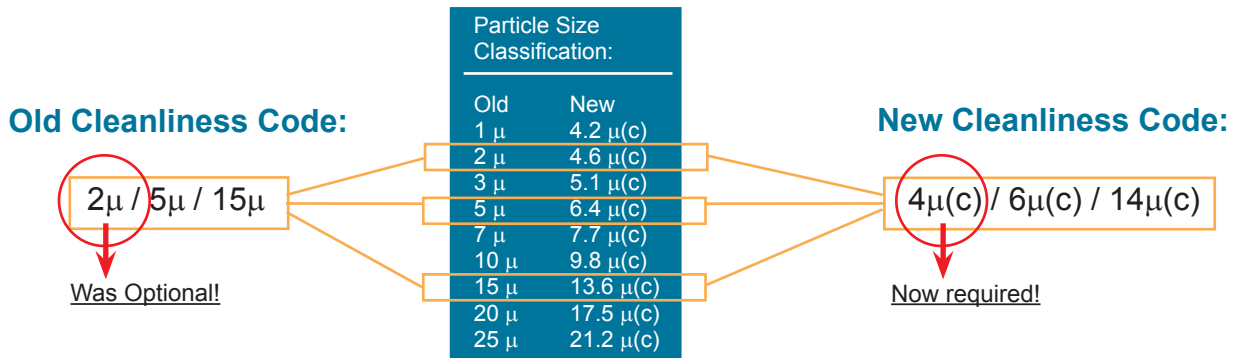


ISO Standard Changes

Old	Description	New
ISO 4402	APC Calibration Procedures (AC Fine Test Dust to ISO Medium Test Dust)	ISO 11171
ISO 4406	ISO Cleanliness Code	ISO 4406:1999
ISO 4572	Multipass Test	ISO 16889

Q: How do these changes affect me?

A: Most apparent change is in ISO Cleanliness Codes:



When using Beta values, make sure that equal comparisons are being made. Always take notice of the notation following a Beta value.

Old
Beta₃ = 200

New
Beta_{5(c)} = 200

TIP

Both “Old” and “New” Beta values are published in Schroeder Industries’ Filtration Products Catalog!

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For more information, refer to pages 11-15 of Schroeder’s Filtration Products Catalog (L-2520)