FI-AN18

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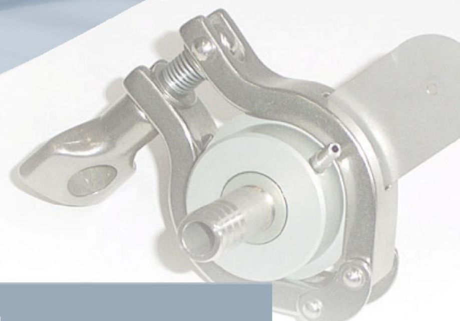
Institut de la Filtration et des Techniques Séparatives



At IFTS, we create, design and manufacture

Aperture Holder

Each year IFTS delivers filter test benches, particle counters, aperture holders, calibration stands, solvent dispensers…The same we experiment and use in our laboratories.

Already used by AMKEY, BOSCH, DELPHI, DONALDSON, FILTRAUTO, HENGST, MAHLE, MANN & HUMMEL, PARKER, UFI, etc

YOU NEED TO TEST DIESEL FUEL FILTER WATER SEPARATION EFFICIENCY

IDEAL

To produce water droplet size distributions found in real diesel fuel systems (i.e. pressure and suction filters)

APPROVED

By world-wide experts in fuel filtration

SPECIALLY DESIGNED BY IFTS

For the new up-to-date diesel fuel filters water removal efficiency test procedure ISO TS 16332.

Aperture plates

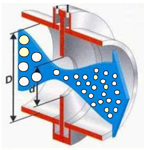
Aperture Holder

VERY EASY TO USE AND FIT TO ALL KINDS OF FUEL FILTER TEST CIRCUITS

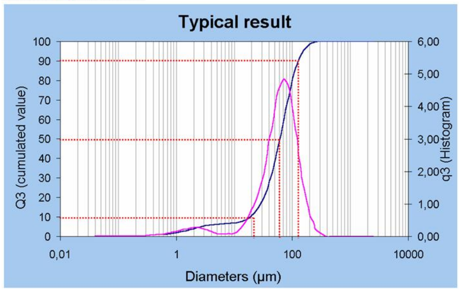
To be fitted to the test rig fuel circuit upstream of the filter under test and before the downstream sample point (produces a more representative sample than any "online mixer")

GENERATION OF A NARROW DISTRIBUTION OF WATER DROPLETS

Principle based on the dissipation of a known energy within the fuel/water mixture by flowing through a calibrated aperture.

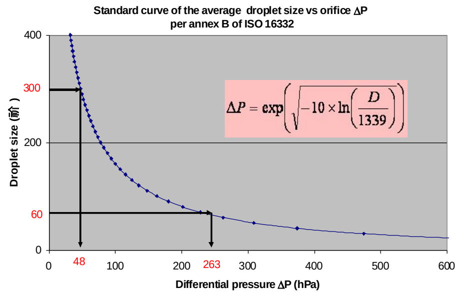


Operating principle of the calibrated aperture



Typical size distribution of water droplets downstream an aperture

The water droplet size is the only function of the ΔP through the aperture.



TECHNICAL DATA

Flow rate from 50 to 900 L/h	*Water content from 0.15 to 2%*
In Duralumin with anti oxidation treatment, standard connexion sizes 1/4" or 3/8" BSP	*Standard size for downstream sampling point*
Water droplet size from 10 to 600 µm	*Free: 4 extra apertures plates*

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