



Tester for safety-related equipment against siphoning

benefits

- reliable function tests of all diaphragm type/piston type anti-siphon valves
- simple check and assessment of the system safety
- can be performed easily at all systems with standard filter combinations
- fast test of systems with AFRISO fuel oil filters with drain system: Plug hose onto the oil filter cup and you are ready for the test
- manufacturer-independent application
- materials resistant to biofuel and biodiesel with max. 100 % FAME
- green fuels ready: suitable for use at tank facilities filled with the new paraffinic fuels HVO or GTL

Application

Tester for function tests of built-in mechanical "safety-related equipment against siphoning" (diaphragm type or piston type anti-siphon valves) in oil carrying pipes or withdrawal systems. Test can be performed at all systems with standard filter combinations. If no AFRISO filter cup with test and drain valve is available, it is sufficient to replace the existing filter cup with the filter cup of the tester. AFRISO recommends to replace all filter cups without drain valve so that the fuel oil filter can be drained rapidly and the function test performed easily during servicing. Suitable for testing fuel oil EL (DIN 51603-1), diesel fuel (EN 590), liquid fuels as per DIN SPEC 51603-6 and DIN/TS 51603-8 as well as biofuel and biodiesel with a maximum of 100 % FAME (EN 14214). Also suitable for the new paraffinic fuels HVO or GTL as an admixture or 100%.

Description

The tester for "safety-related equipment against siphoning" allows to quickly come to a sound conclusion concerning the correct operation of anti-siphon valves. Mounting is simple: Screw the filter cup of the tester into the fuel oil filter of the facility (not necessary in the case of oil filter cups with test and drain system), plug the hose into the tester drain system, connect an oil suction pump to the other end of the tester and you are ready for testing. For the test, a vacuum must be generated which sucks in oil; the oil flows into the tester cup. The vacuum is maintained in the tester cup via the shut-off fitting and displayed by the pressure gauge. When no more oil flows into the tester cup, there is pressure equilibrium. The vacuum can now be read at the test pressure gauge; with a simple formula (hydrostatic pressure / pressure difference), you can determine whether the siphoning protection works.

Technical Specifications

Range

-0.6/+0 bar

Connection

G $\frac{3}{8}$ male with 60° cone

Dimensions (W x H x D)

tester: 180 x 286 x 71 mm

spare case: 395 x 106 x 295 mm

Operating temperature range

Ambient: -25/+40 °C

Storage: -25/+60 °C

Scope of delivery

- Tester with long filter cup
- Vacuum gauge
- Hose
- long tester cup with drain system
- plastic case
- short test cup for FloCo-Top-C series

Versions

		Part no.
tester		20239
anti-siphon valve		

- in-stock items
- Non-stock items