

SDS API - Adaptor

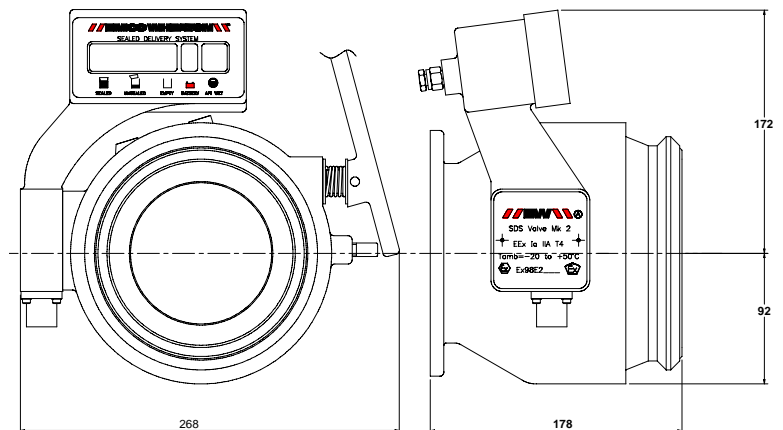
FEATURES AND BENEFITS

The new Sealed Delivery System API adaptor has been developed to provide an electronic seal with full audit trail for individual tanker compartments and has Sensors recording any movement of fuel between loading and discharge. Compartment dipsticks and ullage gauges are no longer required, manhole covers do not need to be opened and vapour emissions can be eliminated.

- **Electronically seals** individual compartments.
- **Integral Unit** that can directly replace existing API valve.
- **Printer Display Module** to print hard copy of full audit trail
- **Vapour Emissions** from diptubes eliminated.
- **Reduced** delivery times.
- **Safer** operating procedure.
- **Manhole Cover Sealing** possible with additional sensor.
- **Based** on F5000 series API design.
- **Conforms** to API RP1004 for total compatibility with API couplers.



OVERALL DIMENSIONS



VARIANTS

PART NO.	DESCRIPTION	WEIGHT
F5003.020	Flanged SDS API MK 2	5.9kg

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HOW THE SEALED DELIVERY SYSTEM WORKS.

The indicator on top of the API valve gives a continuous display of the product status of the compartment and run off pipes to which the valve is attached. The display indicates five states:- SEALED, UNSEALED, EMPTY, BATTERY and API WET. A black rectangle indicates which state or states are current, the remainder of the display being blank.

LOADING AND UNLOADING GUIDE

1. On arrival at the loading bay the display must show "empty" (fig 1).
2. Any residue from the previous delivery will run down to the API valve and may cause the display to show "API wet".
3. Loading can commence with display showing as either "empty" or "empty & API wet" (fig 2).
4. On commencement of loading the display will read "unsealed" (skipping) and "API wet"(fig 3).
5. At completion of loading when the API valve is closed, the display will show "sealed & "API wet"(fig 4).
6. On arrival at the delivery point the display will show "sealed" & "API wet" (fig 4).
7. Upon opening the emergency valve and the API valve to commence delivery the display will show "unsealed" (flashing) and "API wet" (fig 5).
8. When the compartment and run-off pipe are empty of product the "API wet" indication will be extinguished. With the API adaptor remaining open, close the emergency valve to display a solid "unsealed" message (fig 6).
9. When the emergency valve is closed then re-opened the display will show "empty" (fig1) only when the display shows "empty" is the product delivery complete.

FIG 1

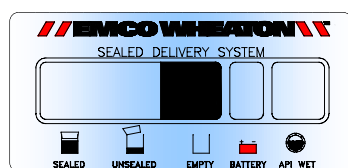


FIG 2

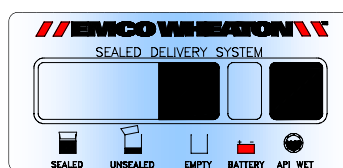


FIG 3

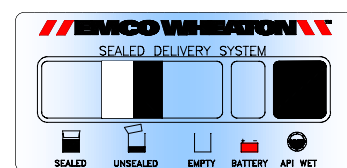


FIG 4

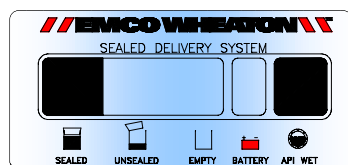


FIG 5

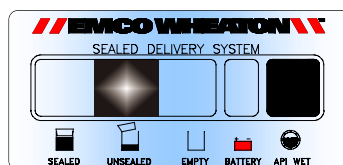
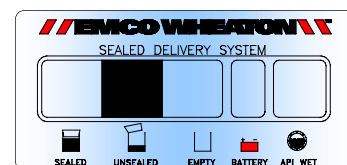


FIG 6



As part of a continuous commitment to product development the Company reserve the right to alter the specification of its products without prior notice.