

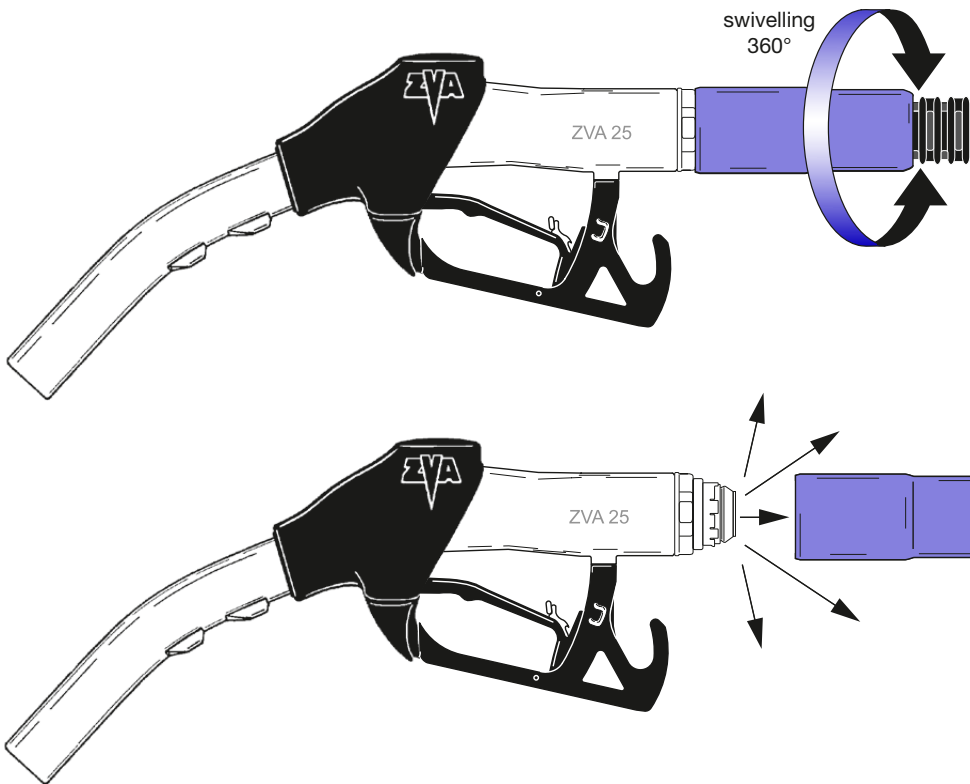
# SSB 25

## Safety Swivel Break DN 25

Reusable break-away coupling to EN 13617-2,

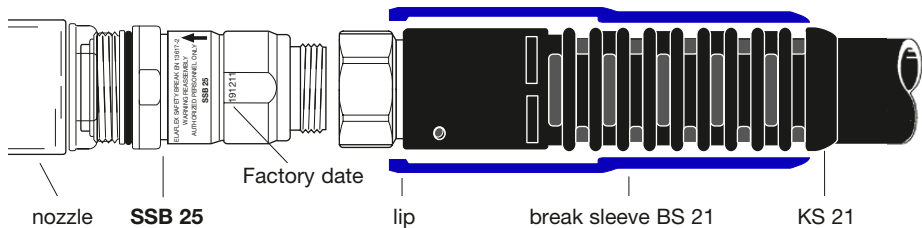
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for ZVA 25



German Patent No. P 42 02 956  
Europa - Patent 0 555 558

Japan - Patent 2 647 324  
US - Patent 5 346 260



The SAFETY SWIVEL BREAK '**SSB 25**' is a self-sealing reusable break-away coupling (type 1 to EN 13617-2) designed to protect dispenser, hose assembly and car against damage which can occur by drive-off incidents. As a nozzle break it is directly fitted to the ZVA 25 nozzle. Before delivery each **SSB 25** is tested regarding the break-off and tightness under pressure (5.25 bar acc. to standard EN 13617-2). This is documented by the factory date code, e.g. '191211' for 19 = Year (YY), 12 = Month (MM), 11 = DAY (DD). According to EN 13167-2 the coupling separates at a pull force between 80 kg (800 N) and 150 kg (1500N) in an axial and angular direction. Temperature range -20° C up to +55° C (LT-Type -40° C up to +55° C).

**NOTE:** Ensure that the dispenser allows the maximum pull force in all approach directions without damage.

An integral valve at the break-away part stops the flow of fuel at the hose end. According to safety regulations max. 120 ml are allowed to flow out. After separation the **SSB 25** must be reassembled by an authorised service engineer according to the instruction (opposite page) and may then be used again after leakage test. The construction is such that fluid is not sprayed out during reconnection action.

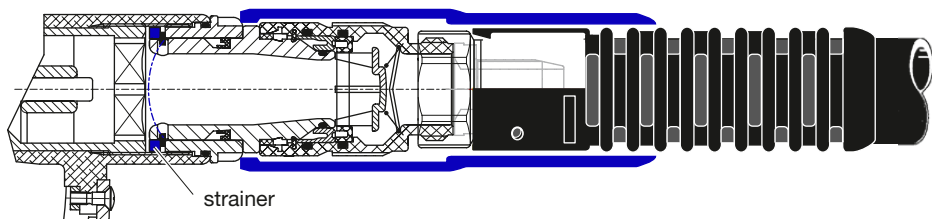
### INSTALLATION INSTRUCTIONS

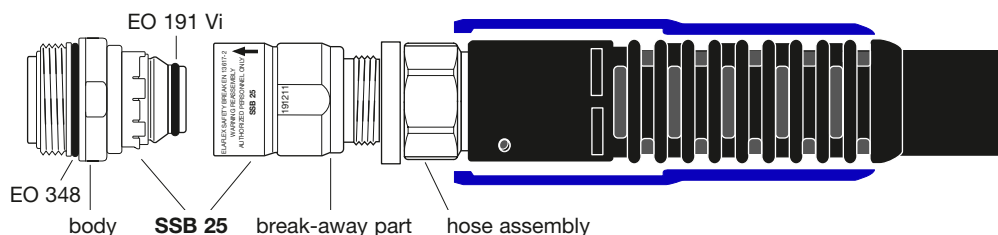
- Switch off pump. Release pressure in hose.
- Remove nozzle from hose assembly and drain hose.
- Remove existing swivel from nozzle.
- Push break sleeve **BS 21** back over the hose assembly (and anti-kinking sleeve KS 21).
- Slightly lubricate thread; screw **SSB 25** with assembled strainer into nozzle.
- Lubricate thread and screw **SSB 25** onto the hose assembly by using two EW-M 36/41 or EW-M 41/46 wrenches, **not a vice**.
- Prime pump and check carefully to ensure connections are tight.
- Push **BS 21** over **SSB 25** until the lip rests in the groove.

If the SSB 25 was factory fitted to the nozzle, the assembly on the hose is done the same way as described above.

The drawing below shows the assembled system with the correct position of the strainer.

The break sleeve **BS 21** helps protect the break-away part against external damage in the event of a drive-off. A range of colours is available for product identification to prevent misfuellings.





## REASSEMBLY AFTER SEPARATION

**NOTE** : This work must only be done by an authorised service engineer who is trained to ensure compliance with all relevant national regulatory conditions. He should also test and check the dispenser, nozzle and hose connections for possible damage. The whole system is then subjected to a pressure test before putting back into service.

**WARNING** : This leaflet contains important information which must be read prior to assembly equipment. The responsible person must observe their company's procedures and safety regulations taken into account. Fuelling equipment should regularly be visually inspected on site to ensure it is undamaged.

- Switch off pump. Release pressure in hose.
- Push break sleeve **BS 21** over the hose assembly (and the anti-kinking sleeve **KS 21**).
- Unscrew SSB body from nozzle and SSB break-away part from hose. Drain hose.
- Clean all parts and check them for damages caused by the accident like ovalness or other deformations or broken plastic parts. – With such damage, the safety-break coupling may not be reused. Except for the visible O-rings EO 348 and EO 191 Vi no spare parts are supplied. The body and break-away part shall not be separately replaced or substituted.
- Slightly lubricate all metallic sliding surfaces of the body, the groove for the circlip as well as the O-rings.
- Hold break-away part in vertical position and center the circlip inside by hand. Fit the body carefully from the top into the break-away part. Both have to be in straight line.
- Hold parts centric and press them together with the flat clamping surfaces of a vise. Make sure that both parts remain aligned axially until they snap together visibly and audibly.
- The necessary assembly force has to be applied in 2 steps (to consecutive snaps). In case of noticeable resistance stop and start again at (f).

Thereafter reconnect **SSB 25** with **BS 21** again between nozzle and hose assembly as described opposite and test assembly for tightness.

