

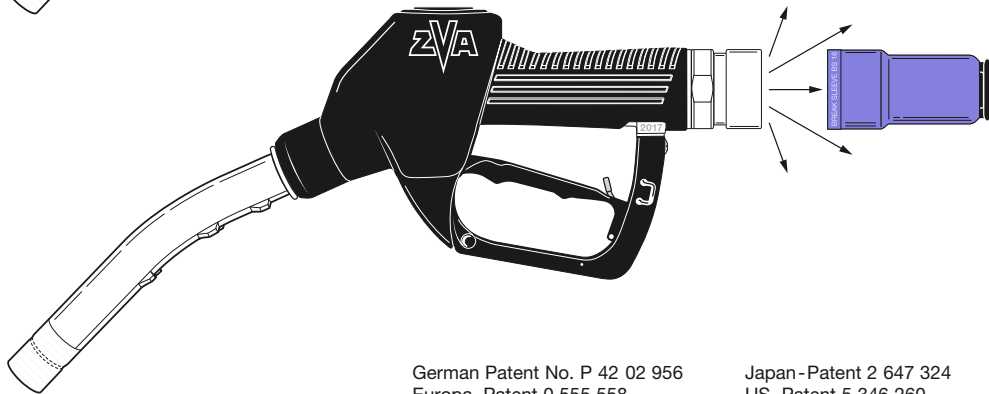
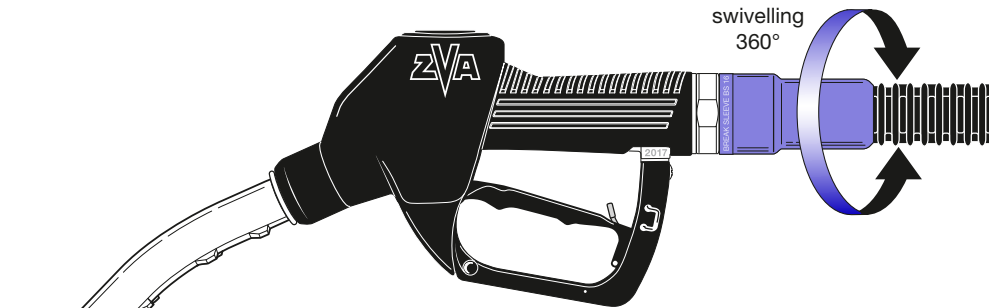
SSB 16

Safety Swivel Break DN 16

Reusable break-away coupling to EN 13617-2,

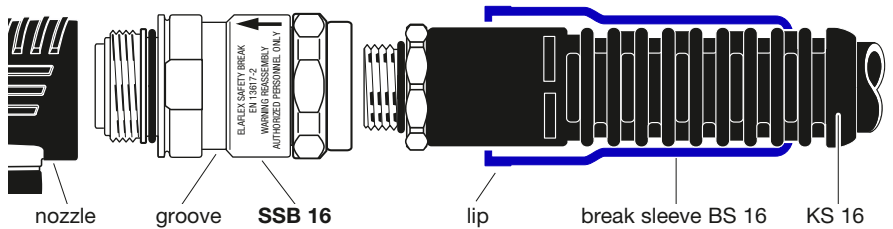
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for ZVA Slimline 2 / ZVA Slimline



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 16**" is a self-sealing reusable break-away coupling 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 SLIMLINE or ZVA SLIMLINE 2 nozzle. Before delivery each **SSB 16** is tested regarding the break-off and tightness (5.25 bar acc. to standard EN 13617-2). This is documented by the factory date code, e.g. '191121' for 19 = Year (YY), 11 = Month (MM), 21 = 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. Working pressure up to 3.5 bar. Temperature range -20° C up to +55° C (LT-Type -40° C up to +55° C). Acc. to relevant approvals the **SSB 16** must be fitted with **BS 16**.

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 16** 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.

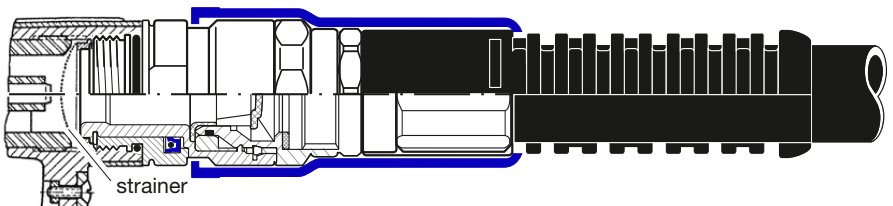
INSTALLATION INSTRUCTIONS

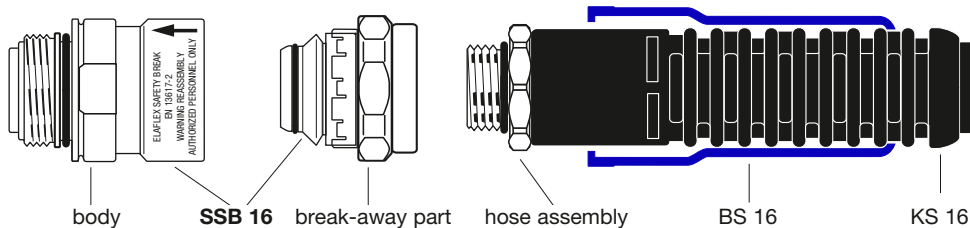
- Switch off pump. Release pressure in hose.
- Remove nozzle from hose assembly and drain hose.
- Remove existing swivel from nozzle.
- Push break sleeve **BS 16** back over the hose assembly (and anti-kinking sleeve **KS 16**).
- Slightly lubricate thread; screw **SSB 16** with assembled strainer into nozzle.
- Lubricate thread and screw **SSB 16** onto the hose assembly by using two EW - M 36/41 wrenches, **not a vice**.
- Prime pump and check carefully to ensure connections are tight.
- Push **BS 16** over **SSB 16** until the lip rests in the groove.

If the SSB 16 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 16** helps protect the break-away part against external damage in the event of a drive-off. Therefore, it must be installed as shown below. 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 being put into operation again.

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 16** over the hose assembly (and the anti-kinking sleeve **KS 16**).
- 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-ring 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 body in vertical position and center the circlip by hand. Fit the break-away part carefully from the top into the body. Both have to be in straight line.
- Hold parts centric and press them together with 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 two steps (to consecutive snaps). In case of noticable resistance stop and start again at (f).

Thereafter reconnect **SSB 16** with **BS 16** again between nozzle and hose assembly as described opposite and test assembly for tightness.

