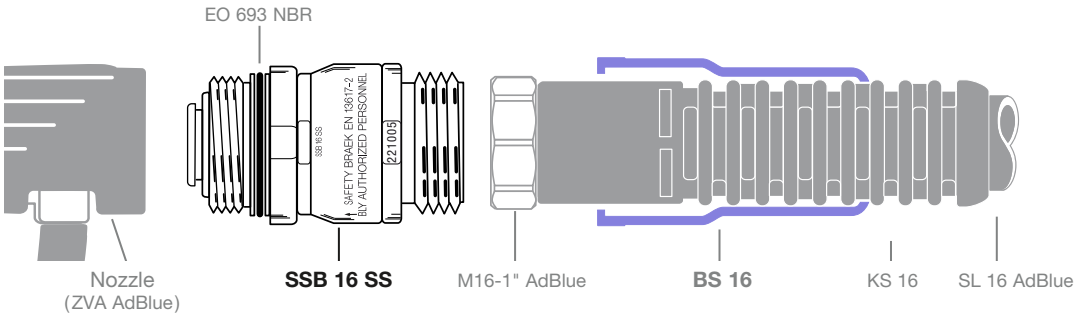
Installation and Operating Manual SSB 16 SS

***Safety Swivel Break** '**SSB 16 SS**' for AdBlue® / DEF (Diesel Exhaust Fluid) Urea Solution*
Reusable break-away coupling to EN 13617-2, ⟨Ex⟩ II 1 G Ex h IIA Ga certificate no. TPS 19 ATEX 103415 0001 U



***SSB 16 SS** 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 AdBlue (DEF) nozzle. Before delivery each **SSB 16 SS** is tested regarding the break-off force and tightness under pressure (5.25 bar acc.to standard EN 13617-2). This is documented by the factory date code, e.g. '221005' for 22 = Year (YY), 10 = Month (MM), 05 = DAY (DD). According to EN 13167-2 the coupling separates at a pull force between 65 kg (650 N) and 150 kg (1500 N) in an axial and angular direction (AS/NZS 2229 special type up to 1200 N). Temperature range -20 °C to +55 °C (note that urea solution is freezing below -11°C).*

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

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*
- *Screw **SSB 16 SS** with assembled strainer into nozzle*
- *Screw **SSB 16 SS** onto the hose assembly by using two EW-M 36/41 wrenches – **do not use a vice***
- *Activate pump and check carefully to ensure connections are tight*
- *Push **BS 16** over **SSB 16 SS** until the lip rests in the groove*

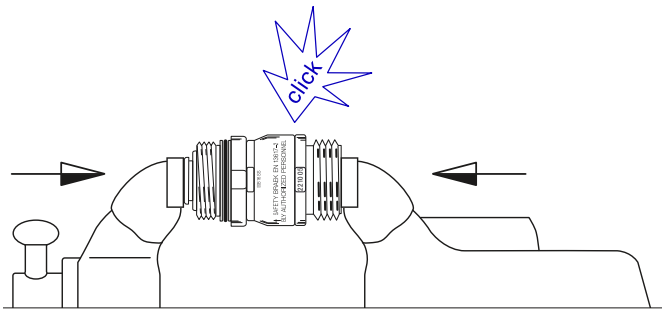
*The break sleeve **BS 16** helps protect the break-away part against external damage in the event of a drive-off. A range of colours is available for product identification.*

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.

a) Switch off pump. Release pressure in hose
*b) Push break sleeve **BS 16** over the hose assembly and the anti-kinking sleeve KS 16*
c) Unscrew SSB body from nozzle and SSB break-away part from hose
d) Clean all parts (crystallised urea solution can be washed away with destilled water or urea solution). Check all parts for damages caused by the accident like ovalness, other deformations or broken plastic parts. With such damage, the safety break coupling may not be reused. Except for the visible O-ring EO 693 NBR no spare parts are supplied. The Body and break-away part shall not be separately replaced or substituted.
e) In order to avoid media contamination, parts of this Safety Break normally are not greased.
f) Hold body part in vertical position and center the circlip inside by hand. Fit the breakaway part carefully from the top into the body. Both have to be in straight line.
g) Hold parts centric and press them together with a vise. Make sure that both parts remain aligned axially until the snap together visibly and audibly.
h) The necessary assembly force has to be applied in 2 steps (two consecutive snaps). In case of noticable resistance stop and start again at (f).

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



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