

Type TSA1 H₂ 70 MPa

Breakaway coupling for hydrogen refuelling at car fuelling stations (DN 4 mm)

The breakaway coupling type TSA1 H₂ 70 MPa offers additional safety for your fuelling station.

The coupling consists of a breakaway coupling and a receptacle which are installed between the dispenser and the fuelling hose. In the event of accidental deployment, e.g. driving a vehicle

from the dispenser with the nozzle remaining in the vehicle fuel port, the coupling will separate, sealing both ends and protect your dispensing equipment against damage. The detached coupling can be easily reattached and placed back in service after having been function tested.

The integrated filter system provides clean hydrogen and is easy to maintain.

Features:

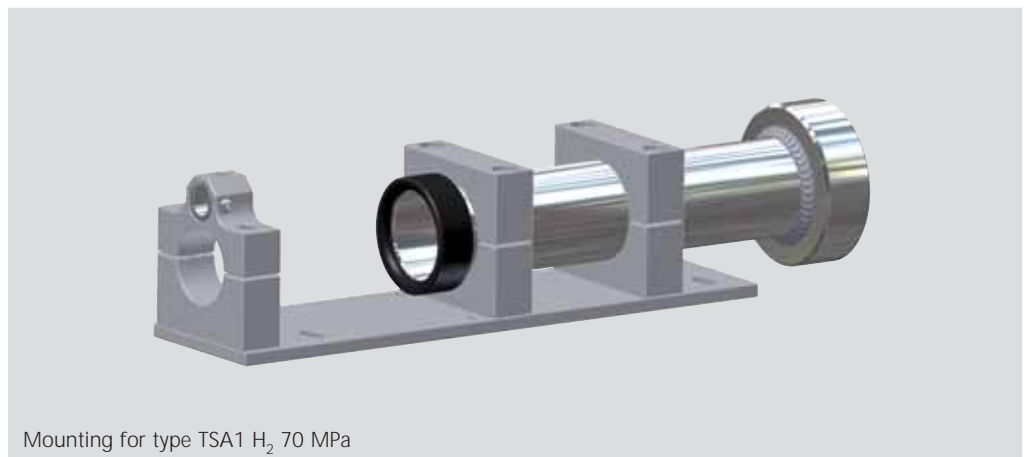
- Integrated renewable filter (40 Micron)
- Re-usable after a breakaway without factory reserVICING
- Installation at the dispenser
- Compact design



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TSA1 H₂ 70 MPa with mounting



Mounting for type TSA1 H₂ 70 MPa

The breakaway device consists of a breakaway coupling and a receptacle.

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Technical Data:

Application:

Breakaway coupling for H₂-car fuelling stations.

Temperature range:

-40°C up to +85°C

Registration:

PED 97/23/EC: CE 0036

Pressure range

PN = 700 bar
PS = 875 bar
PT = 1255 bar

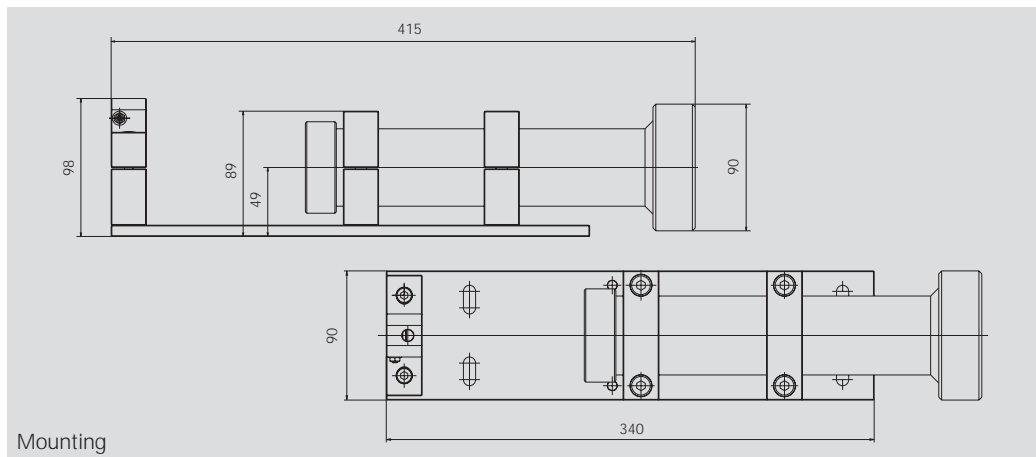
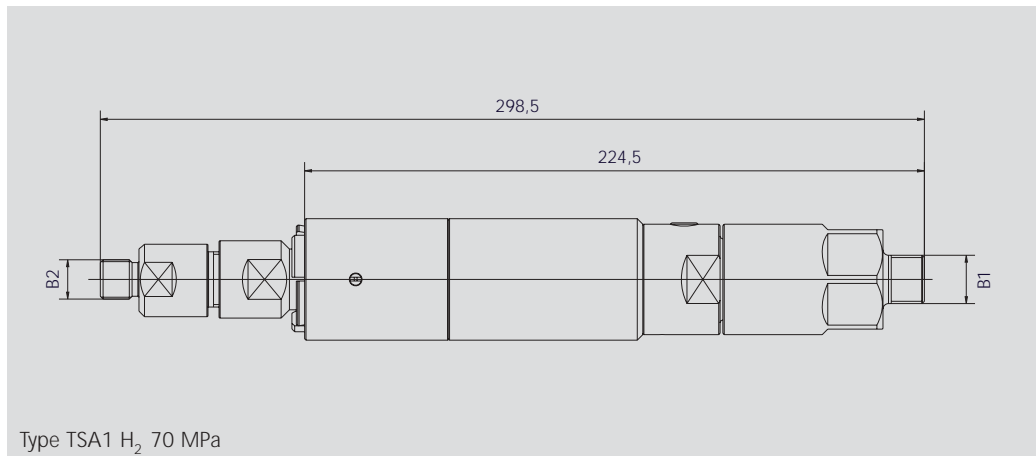
Design:

All parts corrosion-resistant steel and aluminium. Seals hydrogen compatible.

Breakaway force:

approx. 300-600 N

Dimensions (mm):



Ordering:

Description	Inlet B	Gas recirculation C	Part No.
TSA1 H ₂ 70 MPa without gas recirculation	O-lok Face Seal for tube Ø 10 mm (3/8") UN 11/16" -16 ** (B1) UNF 9/16" -18* external thread (B2)	—	C1-67980

* 60° inner cone

** O-lok acc. to SAE J1453

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