

FAST MOVING TECHNOLOGY

STÄUBLI

BRW 02 & BRW 08 break-away coupling

Compressed Natural Gas vehicles





Protection of the refueling line for vehicles powered by compressed natural gas.

Designed to be incorporated in environments in accordance with directives 2014/34/EU (ATEX) and 2014/68/EU.

The break-away system ensures immediate disconnection and automatic shut-off of the circuit if the supply hose is pulled.

Protection for the installation and its users

- Disconnection force specifically configured to prevent accidental disconnection and maintain the integrity of the dispenser and the vehicle.
- Automatic shut-off of the gas distribution circuit on disconnection: prevents gas being released into the atmosphere.
- Immediate disconnection irrespective of the pressure in the hose.

Easy to install and simple to use

- Quick and easy to reconnect using the dedicated reconnection tool.
- Maintenance-free.

Efficiency

As there is no risk of accidental disconnection, prolonged stoppages of installations following unexpected hose pullouts are prevented and their efficiency is maintained.

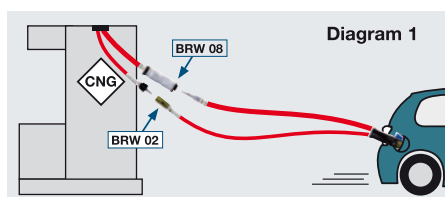
Break-Away 08 - 1 function

- Coupling for fast filling of light or heavy vehicles (diagram 1).

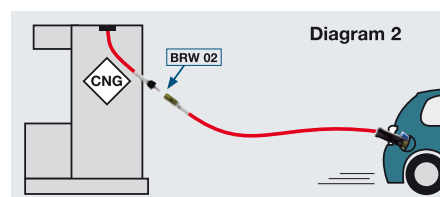
Break-Away 02 - 2 functions

- **Venting:** safety when used with a BRW 08 on a fast filling line (diagram 1).
- **Filling:** the Break-Away 02 can also be used on its own by individuals or companies as a coupling for slow filling of light duty vehicles only (diagram 2).

Fast refueling of light or heavy vehicles: BRW 08 on filling line and BRW 02 on venting line.



Slow refueling of light vehicles only: BRW 02 only on filling line (no venting line).

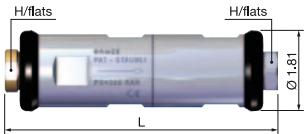
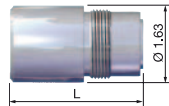


Technical data

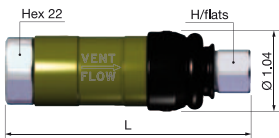
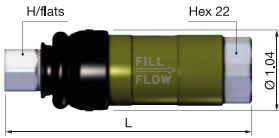
	Break-Away 08	Break-Away 02
Disconnection force on line (lbf)	between 50 and 150	between 14 and 50
Possible number of disconnections at 2900 psi of air	100	100
Maximum allowable pressure PS (psi)	4350	2900
Minimum and maximum allowable temperatures TS (°F)	- 40 to + 185	- 40 to + 185

Part numbers

BRW 08

Function and thread	Fitting	Dimensions (in.)		Part numbers
		L	H/flats	
Female thread 	G 3/8	7.91	0.94	BRW 08.9102
	G 1/2	8.15	1.06	BRW 08.9103
	UN 9/16-18	6.10	0.87	BRW 08.9314
	UN 7/8-14	8.31	1.26	BRW 08.9322
Reconnection tool 		2.83		BRW 08.9100

BRW 02

Function and thread	Fitting	Dimensions (in.)		Part numbers
		L	H/flats	
Venting Female thread 	G 1/8	3.21	0.55	N 007 267 12
	UN 7/16	3.41	0.67	N 007 316 12
Filling Female thread 	G 1/8	3.21	0.55	N 001 101 01
	UN 7/16	3.41	0.67	N 010 310 11



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