

BCN-160 Inline Hose Breakaway Coupling 1"

- **Highest Flow CNG Breakaway on the Market**
- Designed for CNG Virtual Pipeline
- 3x the Flow of NGV2
- Simple Reconnection – No Special Tools
- Safe-Break Low Discharge Disconnection
- Serviceable and Reusable
- Increases Usable Trailer Payload
- Designed for High Capacity CNG Decanting and Filling



Decanting flow capacity is often limited by undersized hose breakaway. The Eclipse BCN-160 allows operators to fully utilize large hoses and couplings without constricting the flow with an undersized breakaway. Especially designed for use with 1" hoses, the BCN-160 will allow for much higher payload utilization than with standard bus/truck fill breakaways, improving performance especially at lower gas pressures where other breakaways choke.

Safe-Break Technology minimizes the amount of gas released on disconnection, resulting in safer operation and lower ejection forces, reducing risk to personnel and equipment. Disconnection force remains constant throughout the pressure range, ensuring safe and reliable operation.

Model	Ports	Cv	MAWP (PN)	Weight	Length	Diameter	Burst Pressure	Disconnect Force
BCN-160	1" FNPT	15.1	350 bar 5000psi	5.1 kg 11.2 lb	210mm 8.25"	88mm 3.5"	>1500 bar >21750psi	800-850N
BCS-160	-16 SAE J1926-1 (1 5/16" -12UN)	15.1	350 bar 5000psi	5.1 kg 11.2 lb	210mm 8.25"	88mm 3.5"	>1500 bar >21750psi	800-850N

- Design verified to 350bar and burst tested to over 1500bar
- Tool-free reconnection reduces down-time.
- Protective shield prevents major damage to the coupling in the event of a drive-away.
- Operating Temperature -40°C to +85°C (-40°F to 185°F)
- 304 Stainless Steel Components
- Nitrile and PTFE seals standard
- Adapters available to fit any hose connection
- Use with Eclipse VC or VQ series hose couplings for best results
- Complies with ANSI/IAS NGV 4.4 / CSA 12.54*
- Certified to 2010/35/EU, TPED and ADR para 6.7.4.5.8 and PED 2014/68/EU, CE

Please supply the following information when ordering

Flow Medium
 Operating Temperature Range
 Max System Pressure

Seal Kit Part Number: BC-16-SK



Scan QR code for video of disconnection at 200bar

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**Except Vent Orifice: Shuts off both sides on disconnect as venting would compromise product effectiveness in decanting situations*