

Liquip API-NZ & API-RC

Dry Break Couplers

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Tech Talk No: T005
Product: Dry Break Gravity Couplers
Part Number: API-NZ & API-RC

Liquip designed the API-NZ and RC couplers to be robust yet light-weight, compact and easy to handle.

Although designed for use in gravity drops, the coupler will operate up to 350 kPa to couple and will hold pressure up to 1000 kPa and our patented S spring makes this possible.

The API-NZ coupler is a 90° product entry exit coupler.

One end is screwed 3" BSP to provide for fitting any size camlock to hose fitting you may require.

Operation of handle on coupler opens poppet on API adaptor. Handle has over centre operation and also locks in positive open and closed position. NB no interlocks.

S spring and seal design eliminates sliding adaptor collar as in API513 Coupler.

Unique one piece seal engages nose of API male adaptors before poppet opens to ensure no product loss.

Seal can be replaced without stripping the coupler but if dismantling is required the removal of only one R clip is all that is needed..

Multiple lip seal gives excellent tolerance to allow for grit or damage to mating faces.

Liquip's API-RC coupler was designed with unloading rail tank cars in mind.

Unlike the NZ body, the RC coupler is a straight through adaptor and can have different sizes of fittings screwed to the 3" BSP outlet.

Technical Data

Aluminium body with hard anodised bearing surfaces.
Viton seals.
80 mm diameter bore.
350 kPa maximum coupling pressure, 1000 kPa product retention.

Features	Benefits
Ergonomic operating handle has over centre operation with positive open and closing lock locations.	Easy to use with smooth operation, small handle with ball for nice hand grip.

Light Weight	Adds very little weight to conventional hose and adaptor.
Different size camlocks easily fitted to coupler	Quick to screw out damage hose coupler or fit a different size.
Multiple lip seals.	Allows greater tolerance.
Compact	Smaller in size to the conventional API gantry loading couplings.

Price for API-NZ \$ 460.00
 API-RC \$ 460.00

Availability ex-stock in Sydney