



— MODEL —

# 346GF

## Emergency Breakaway Coupling



- Double Shut-Off Design
- Lowest Possible Pressure Drop
- Twin Stainless Steel Butterfly Valves
- Pulls apart with 200 lb. Axial Force
- Pressure Balanced Design
- No Broken Pins to Replace
- Re-coupled by One Person with no Tools
- Robust Design for Long Life
- Large Aluminum Drag Ring

The Model 346GF Emergency Breakaway Coupling (EBC) cleanly comes apart and closes both separated halves when an axial load of 200 - 250 lbs. at 0 to 450 gpm is applied. It is used by the US Navy at ground-based refueling facilities so that a pilot can drive/fly away from the refueling facility in case of emergency.

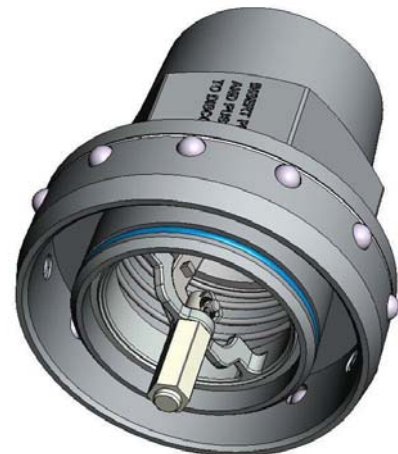
The Model 346GF Emergency Breakaway Coupling responds to an axial pull force to separate and close both halves to prevent the loss of fuel.

The Coupling incorporates the closure elements utilized in the Cla-Val Model 344GF Hose End Quick Disconnects that are well proven to close tightly and have the strength to withstand high pressures. When open, these closure elements (resembling butterfly valves) are turned to allow the flow of fuel. Because of this unique design, the resistance to flow is significantly lower than any competing product today. The 346GF Emergency Breakaway Coupling has the lowest pressure drop and, therefore, reduces refueling times.

There are no pins or screws broken during disconnection. The Model 346GF Emergency Breakaway Coupling incorporates a unique pressure balance configuration that causes the Coupling to disconnect with the same force regardless of internal pressure levels.

The Model 346GF Emergency Breakaway Coupling is very easily reconnected by one person with no tools required. When disconnected, just align the two halves and press them together until the grey flat face of the inlet half becomes flush with the end of the black sleeve on the outlet half. This visual check confirms that the Coupling is fully engaged and is ready and safe for use. When connected, the Model 346GF Emergency Breakaway Coupling performs as a swivel joint allowing the outlet end to turn as required.

The coupling can be easily disconnected manually to give access to the swivel joint O-ring. Simply insert two 1/8" dia. pins into the two holes provided thru the flat face of the inlet half. Push in the two pins to depress the latch ring and pull the two halves apart.



The pressure balanced design of the Cla-Val Model 346GF Emergency Breakaway Coupling incorporates a number of springs and o-rings that limit fuel leakage. The main swivel o-ring, which is located on the Inlet Half can be easily changed with the Coupling is disconnected. This o-ring can be changed on the flight line.