



— MODEL — **380GF**

# Sexless Coupling



## Technical Information

- **Designed per A-A-59377A**
  - **Pressure Drop - 3 psi/.206 bar maximum for size 2-inch unit at 200 gpm (757 l/minimum)**
  - **Operating Pressure - 100 psi (6.895 bar)**
  - **Burst pressure - 300psi (20.684 bar)**
  - **Hose Swivel Torque - 240 in-lb maximum at 100 psi (6.894 bar)**
  - **Operating Temperatures - 25°F to + 155°F (-31.7°C to +68.3°C)**
- **Created for tactical US Army Fuel Systems**
  - **Interchangeable with similar 2-inch couplings, manufactured by other suppliers**
  - **Sexless configuration is designed to mate with any two couplings, allowing for the connection of hose assemblies, regardless of the end fitting**
  - **Available with or without Integral Ball Valve**
  - **Safety Interlock Design**
  - **Flat MS Flanges, Camlok Fittings and NPT Adapter Connections Available**
  - **Convenient Lift-and-Turn Folding Operating Lever**
  - **Ball Race Swivel Joint with Low Friction Seal**
  - **2 inch and 3 inch Sizes Available**

The Cla-Val Model 380GF Sexless Coupling meets all the design and performance requirements of government specification A-A-59377 Revision A, "Commercial Item Description – Coupling Assembly, Quick Disconnect, Sexless Type".

The Cla-Val Model 380GF Sexless Coupling provides a means of coupling two hoses, or other components, together without the need to match up male and female features. When connected, face seals ensure a drip-tight connection with the mating coupling. When connected, couplings with ball valve shut off features cannot be disconnected when the ball valve(s) are in the open position.

The Cla-Val Model 380GF Sexless Coupling provides a very simple means of connecting two flow conduits together without regard to coupling type. There is no male or female variant, making it possible to connect any two identical couplings. This is especially valuable in environments where visibility is restricted by weather conditions or by darkness. The Model 380GF Sexless Coupling is used whenever there is a need to make quick assembly of system components with speed and in extreme conditions.

The Cla-Val Model 380GF Sexless Coupling will safely interface and work with interlock features of most commonly used couplings and components.

The 380GF Sexless Coupling can be configured either with or without an integral ball valve. This ball valve can be opened after connection to a mating coupling to allow for the flow of fuel, but must be fully closed before disconnection can be accomplished. This interlock feature ensures that fuel will not be accidentally spilled.

Coupling assemblies are available with a variety of adapter connections including flat MS flanges, Camlok fittings or NPT connections - all of which are capable of mating with different hose sizes and a variety of other components. Consult factory if other end connection types are desired.

The 380GF Sexless Coupling features a lift-and-turn folding operating lever. This convenient design makes it easy to open and close the integral ball valve even when wearing thick arctic mittens. The folding operating lever handle locks in both open and closed positions.

The Cla-Val Model 380GF Sexless Coupling is constructed of aircraft-grade Aluminum and Stainless Steel. This very rugged design can withstand a high level of abuse and still reliably function in critical applications. Each coupling features a swivel joint with a ball bearing race and a low friction seal. This swivel joint is easy to rotate even in extreme environments or when left to stand for many months in storage.

# 380GF Sexless Coupling with 2" Hose Barb Adapter

## Dimensions (inches)

