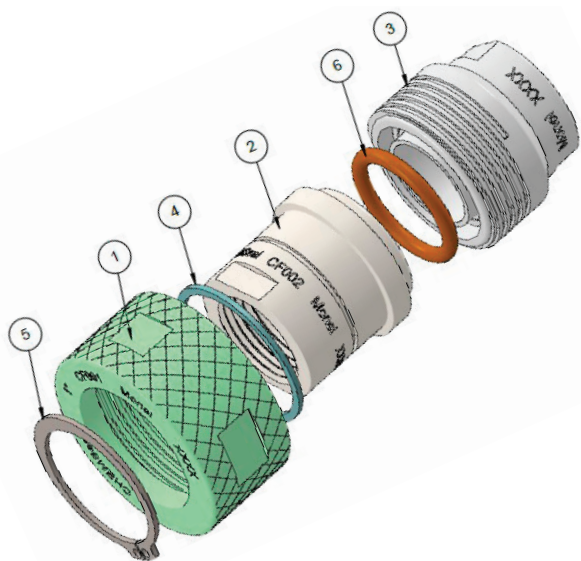


## CHEMSEAL

COUPLINGS<sub>LLC</sub>

**Positive Sealing From Vacuum  
To 1000 psig**



## FLUID TRANSFER HOSE COUPLINGS FOR CHLORINE SERVICE

The sealing design incorporates a Hybrid O-Ring Gasket that combines the sealing properties of both O-Ring and Gasket technologies.

Able to accommodate pressures from Vacuum to 1,000 psig, the CHEMSeal Coupling is designed for Hand Tight Closure without tools for a zero leakage seal.

As an Option, CHEMSeal offers a CHEMKey made specifically for the coupling to aid in tightening the Nut.\*

All CHEMSeal Couplings are made in our ISO 9001 manufacturing facility and are fully documented for materials of construction, including PMI reports.

*\*Only needed when "Tool Tight" connections are required.*

### KEY ADVANTAGES:

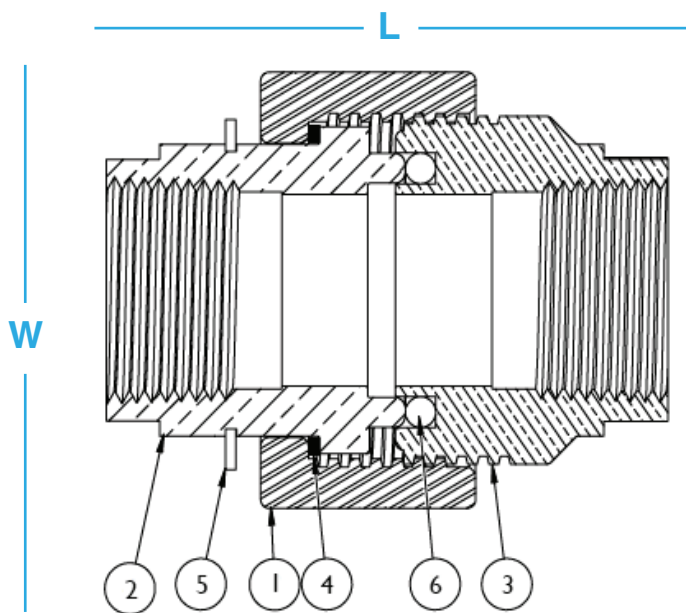
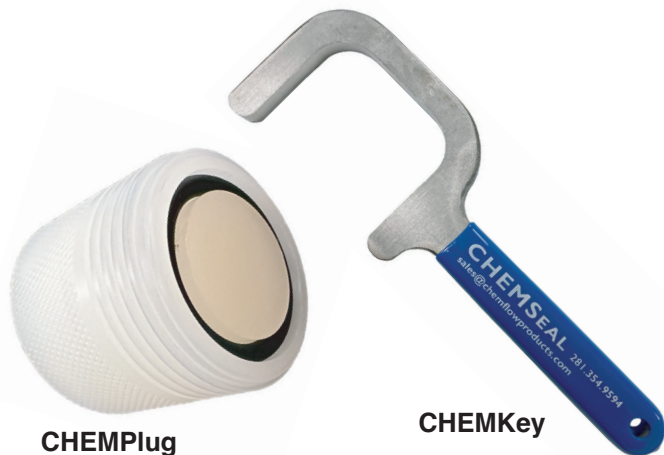
- Proven Seal Design used in Chlorine, VCM, HF Acid, Ammonia and other Hazardous Services.
- Zero Leakage Connection with no need for tools or hammers.
- Optional CHEMKey for operations that require a tool tight connection (CHEMKey is not needed for a zero-leakage seal).
- No Metal to Metal Contact for extended coupling service life.
- Fast make/break of connections for increased production.
- Hybrid O-ring Gasket Seal is easily replaced for long service life.
- Full Port diameter for unrestricted flow.
- CHEMPlug Hose End Plug Cap for immediate sealing of hoses from the atmosphere.

**CHEMSEAL CHEMICAL  
TRANSFER COUPLINGS OFFER  
A "HAND TIGHT" OPTION FOR  
MAKING TRANSFER HOSE OR  
LOADING ARM CONNECTIONS  
TO PORTABLE TANKS.**

# TECHNICAL DATA AND ORDERING INFORMATION

## DIMENSIONAL DATA

| Size | W    | L    | K  | Bore | Wt. (lbs) |
|------|------|------|----|------|-----------|
| 1"   | 2.5" | 3.5" | 4" | 1.1" | 3         |



## COMPONENT IDENTIFICATION:

- |             |                    |                     |
|-------------|--------------------|---------------------|
| 1 = Nut     | 2 = Female End     | 3 = Male End        |
| 4 = Bearing | 5 = Retaining Ring | 6 = CHEMSeal O-ring |

## SIZE & MATERIAL OPTIONS

- 1" FNPT
- Optional Butt Weld or Socket Weld
- Materials of Construction
  - Stainless Steel, 316
  - Monel 400
  - Hastelloy C276
- Multiple O-Ring Options
- Special Materials of Construction are available upon request.

## OPTIONS

### CHEMKey

Optional wrench with 4" lever arm. Used where operations require tool tight. Not needed for tight connections.  
Order Part # 1-KEY-SS.

### CHEMPlug

Allows for immediate capping of disconnected hose/load arm. Offered in PVDF with Viton O-Ring. Rated for full Vacuum to 500 psig.  
Order Part #1-CF009-BLME-V-PVDF-22

## CHEMSeal ORDERING INFORMATION

Example: 1-CF005-NPT-V-MN-22

Purchase Description: Coupling, CHEMSeal,, Tool Free, CF005 Assembly, NPT Each End, Viton GLT O-Ring, Monel

| Size | Drawing No. | End Connection                                         | O-Ring                                     | Material       |
|------|-------------|--------------------------------------------------------|--------------------------------------------|----------------|
| 1"   | CF005       | NPT = Female NPT<br>BW = Butt Weld<br>SW = Socket Weld | V = Viton X = Other<br>E = EPDM K =Kalrez® | SS<br>MN<br>HC |