

# NEW KAMVALOK® FLAT-FACE COUPLER

## Reduces up to 85% of Fluid Loss at Disconnect



**Kamvalok® Flat-Face**  
Dry Disconnect Coupler



### Flat-Out Better Spill Prevention

The new Kamvalok® Flat is the next generation of OPW dry-disconnect couplings. We've taken our proven, best-in-class Kamvalok and flattened the connection points. This effectively eliminates all cavities where liquid can pool and subsequently spill upon disconnect.

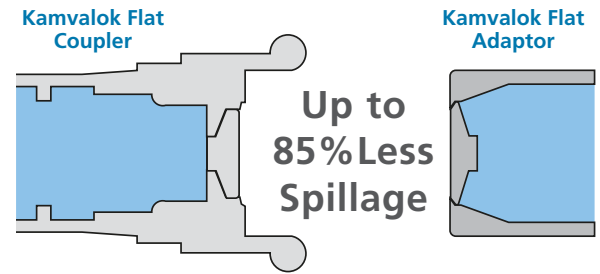
#### Features & Benefits:

- **REDUCE PRODUCT LOSS** at disconnect by up to 85%
- **NEW** patent-pending smooth, flat-face poppets
- **INDUSTRY-STANDARD** locking handle
- **EASY TO CLOSE** Autolok™ locking arms with spring rings
- **AUTOMATIC LOCKING ARMS**, no pins or buttons
- **VIBRATION-RESISTANT** Twin-Kam™ arms
- **CAN BE COUPLED IN ANY ORIENTATION** – 360°
- **AUTOMATICALLY SHUTS OFF FLOW** if accidental disconnect occurs

# Kamvalok® Flat

## Dry-Disconnect Coupler Design

Kamvalok Flat reduces product loss at disconnect by **up to 85%** compared to our already high-performing standard Kamvalok.



\*Percentage of fluid loss at disconnect varies depending on the size of the Kamvalok and if it is vertically or horizontally positioned.

## Coupler Ordering Information

**Type**  
17 - Coupler

**Configuration**  
1 - Aluminum Body, Duplex Stainless-Steel Internals  
7 - Stainless-Steel Body, Duplex Stainless-Steel Internals

**Size**  
15 - 1-1/2" DN40    30 - 3" DN80  
20 - 2" DN50

**1711DL - AL15 - GL\* - FLAT**

**O-Ring Seal**  
1 - Buna-N  
2 - Fluorocarbon  
3 - PTFE/Silicone  
4 - EPDM  
6 - FFKM  
7 - PTFE/Fluorocarbon

**DL - FNPT**  
**DBL - FBSPT**

**Construction Material**  
AL - Aluminum Body (ASTM A356-T6 B-26)  
SS - Stainless-Steel Body (ASTM A351 CF3M 316L)

**Style**  
\* - Leave blank for FNPT  
A - 150-lb. Flange  
GL - Greaseless  
KL - Keylok  
T - 300-lb. Flange

**\*Simply add "FLAT" to the end of any standard Kamvalok Coupler Order**

## Adaptor Ordering Information

**Type**  
16 - Adaptor

**Configuration**  
1 - Aluminum Body, Duplex Stainless-Steel Internals  
7 - Stainless-Steel Body, Duplex Stainless-Steel Internals

**Size**  
15 - 1-1/2" (DN40)  
20 - 2" (DN50)  
30 - 3" (DN80)

**1611AN - AL15 - GL\* - FLAT**

**O-Ring Seal**  
1 - Buna-N  
2 - Fluorocarbon  
3 - PTFE/Silicone  
4 - EPDM  
6 - FFKM  
7 - PTFE/Fluorocarbon

**Connection**  
ANF - 150-lb. Flange  
AN - Female NPT  
ANFT - 300-lb. Flange  
ABN - Female BSPT

**Construction Material**  
AL - Aluminum Body  
SS - Stainless-Steel Body

**Style**  
GL - Greaseless  
KG - Krytox Grease  
KL - Keylok

**\*Simply add "FLAT" to the end of any standard Kamvalok Adaptor Order**

## Design Parameters

<b>Max Design Pressure</b>	1-1/2" Size - 210 psig (15 bar) 2" Size - 150 psig (10.5 bar) 3" Size - 120 psig (8.5 bar)
<b>Temperature Range</b>	<ul style="list-style-type: none"> <li>Buna-N -20°F – 250°F (-29°C – 121°C)</li> <li>Fluorocarbon -20°F – 400°F (-29°C – 204°C)</li> <li>PTFE Encapsulated Silicone -15°F – 400°F (-26°C – 204°C)</li> <li>EPDM -50°F – 250°F (-46°C – 121°C)</li> <li>FFKM -15°F – 400°F (-26°C – 204°C)</li> </ul>

## Materials

<b>Body, Poppet, Seal Cylinder</b>	Aluminum, Stainless Steel
<b>Shaft Link, Cam Arms, Poppet Link</b>	Stainless Steel

**NOTE:** Caps and plugs are available. Always order the next size up for all plugs/caps. Example: a 1 1/2" Kamvalok requires a 2" cap/plug.