

1700D SERIES COUPLERS

OPW Kamvalok® Dry Disconnect Couplings are considered the standard of the industry. Used at liquid transfer points where product loss could occur, OPW Kamvaloks® provide a reliable solution to prevent spillage during connection or disconnection.

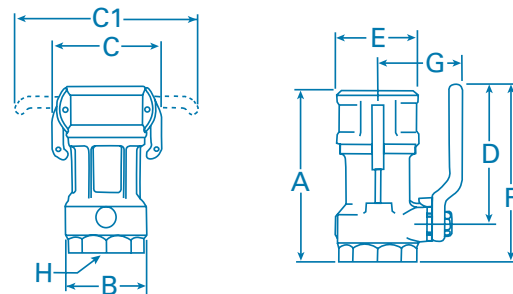
OPW Kamvalok® Dry Disconnect Couplings are used by manufacturers of paint, lacquers, inks, adhesives, fatty acids, pharmaceuticals, liquid soaps, and many other liquid products. They are particularly well suited for handling petroleum products, solvents, ag-chemicals, vegetable oils, detergents and many acids and caustics.

Benefits

- **Spill Protection** – Helps to reduce the hazards involved in the connection/disconnection process of transferring hazardous materials.
- **Provides For Total Closed-Loop Loading Capabilities** – When used with the OPW 2173N Vapor Recovery Dry Disconnect coupling protects people and property from dangerous and potentially costly exposure by keeping hazardous liquids and vapors in-line and out of the environment.
- **Dual Protection** – OPW Kamvaloks® provide automatic closure from both directions – the coupler and the adaptor.
- **Ease of Use** – The simple connection and disconnection design and lever actuated internal poppet configuration makes this the first choice for liquid transfer operations.

Features

- **Manufactured in compliance with the highest quality standards of design, materials and construction.**
- **Cam and Groove Design** – The cam and groove design makes connection and disconnection smooth and easy.
- **Lever Actuation** – The open/close lever action helps to ensure that liquid flow can only begin once the coupling and adaptor are securely coupled. The lever provides for smooth opening and closing even for high pressure applications.
- **360° Orientation** – The coupling can be connected in any orientation onto the adaptor.



Dimensions

SIZE IN INCHES (Nominal)	3/4"	1 1/2"	2"	3"
A Length of Body	5-3/8"	6-25/32"	7-9/32"	9-3/4"
B Diameter of Body	1-7/8"	2-15/16"	3-33/64"	5-1/2"
C Distance across Cam Arms – closed	2-3/4"	3-15/16"	4-5/16"	7-21/32"
C1 Distance across Cam Arms – open	4-7/8"	8-1/16"	8-9/16"	15-1/4"
D Centerline of Stem to end of Lever	3-1/8"	6"	6-1/16"	7-1/4"
E Diameter of Coupler End	1-7/8"	2-15/16"	3-1/8"	5-1/2"
F Length, Pipe End to end of Lever	NA	7-1/2"	7-11/16"	9-3/4"
G Centerline of Coupler to outside of Lever	2-1/8"	3-17/32"	3-17/32"	5-3/8"
H Pipe Thread (NPT)	3/4"	1-1/2"	2"	3"

Ordering Specifications

COUPLER	CONFIGURATION	O-RING SEAL	COUPLER TYPE	CONSTRUCTION MATERIAL	SIZE	STYLE
SERIES 17	1 – Aluminum Body, Plated Steel Internals 6 – Aluminum Body Stainless Steel Internals, 7 – Stainless Steel Body, Stainless Steel Internals	1 – Buna-N 2 – Viton®-A 3 – TFE/Silicone Core/Chemraz® 4 – EPT 6 – Chemraz® 7 – TFE/Viton® Core/Chemraz® 9 – Viton®-B	D	AL – Aluminum Body SS – Stainless Steel	15-1 1/2" FNPT 20-2" FNPT 30-3" FNPT	A – 150 lb. Flange GL – Greaseless KG – Krytox Grease KL – Keylok P – Sanitary Triclamp T – 300 lb. Flange

EXAMPLE:

1711D – AL 15 – A

1600AN

The 1600AN Series Adaptor is specifically designed to mate with OPW Kamvalok® Couplings to help prevent liquid spillage during the connection/disconnection process. The adaptor contains a spring-loaded poppet to assure fast closing and tight seal.

Benefits

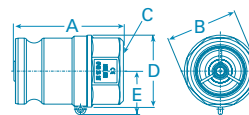
- **Single Piece Design** – Eliminates a possible leak path
- **Spill Prevention** – Poppet-actuated design can only be opened with a ® coupling; designed to provide a tight seal when closed.
- **Reliability of Operation** – The simple spring-loaded poppet design and heavy-duty construction provide for reliable, long-life operation.
- **Optimum Flow Rate** – Even flow and low pressure drop are achieved by a built-in deflector that reduces turbulence.

Features

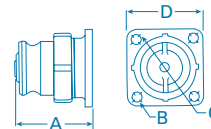
- **Heavy-Duty Construction** – Available in aluminum, and 316 stainless steel construction.
- **Female Threads** – Can be fitted to either a male pipe end or to a hose fitting.
- **Flanged End** – Available for specific operations, including in-plant and transportation.
- **Spring-Loaded Poppet Design** – Assures fast closing and tight seal.
- **Wide Range of Seals** – Available in Buna-N, Viton®, Teflon®, EPT, Chemraz®.



Dimensions



1611AN - 1679AN



1661SFN

SIZE IN INCHES (Nominal)

	1 1/2"	2"	3"
A	4-3/4"	4-15/16"	6-17/32"
B	2-1/2"	3-1/4"	4-1/2"
C	1-1/2"	2"	3"
D	2-21/32"	3-1/4"	4-7/8"

SIZE IN INCHES (Nominal)

	2"
A Overall Length	4-1/4"
B Diameter of Bolt Holes	9/16"
C Bolt Circle	4-1/2"
D Square Flange	4-1/4"

Ordering Specifications

Stainless Steel Adaptors - Female NPT

Prod. No.	Size/Description
1671AN-SS15	1-1/2" Buna Seal, Stainless Steel
1671AN-SS20	2" Buna Seal, Stainless Steel
1671AN-SS30	3" Buna Seal, Stainless Steel
1672AN-SS15	1-1/2" Viton® Seal, Stainless Steel
1672AN-SS20	2" Viton® Seal, Stainless Steel
1672AN-SS30	3" Viton® Seal, Stainless Steel
1673AN-SS15	1-1/2" Teflon® Silicone Seal, Stainless Steel
1673AN-SS20	2" Teflon® Silicone Seal, Stainless Steel
1673AN-SS30	3" Teflon® Silicone Seal, Stainless Steel
1674AN-SS15	1-1/2" EPT Seal, Stainless Steel
1674AN-SS20	2" EPT Seal, Stainless Steel
1674AN-SS30	3" EPT Seal, Stainless Steel
1676AN-SS15	1-1/2" Chemraz® Seal, Stainless Steel
1676AN-SS20	2" Chemraz® Seal, Stainless Steel
1676AN-SS30	3" Chemraz® Seal, Stainless Steel
1677AN-SS15	1-1/2" Teflon®-Viton® Seal, Stainless Steel
1677AN-SS20	2" Teflon®-Viton® Seal, Stainless Steel
1677AN-SS30	3" Teflon®-Viton® Seal, Stainless Steel
1679AN-SS15	1-1/2" Viton®-B Seal, Stainless Steel
1679AN-SS20	2" Viton®-B Seal, Stainless Steel
1679AN-SS30	3" Viton®-B Seal, Stainless Steel

Aluminum Adaptors - Female NPT

Prod. No.	Size/Description
1611AN-AL15	1-1/2" Buna Seal, Alum. & Stainless Steel
1611AN-AL20	2" Buna Seal, Alum. & Stainless Steel
1611AN-AL30	3" Buna Seal, Alum. & Stainless Steel
1612AN-AL15	1-1/2" Viton® Seal, Alum. & Stainless Steel
1612AN-AL20	2" Viton® Seal, Alum. & Stainless Steel
1612AN-AL30	3" Viton® Seal, Alum. & Stainless Steel
1612A-AL07	3/4" Viton® Seal, Alum. & Stainless Steel
1613AN-AL15	1-1/2" Teflon® Seal, Alum. & Stainless Steel
1613AN-AL20	2" Teflon® Seal, Alum. & Stainless Steel
1613AN-AL30	3" Teflon® Seal, Alum. & Stainless Steel
1614AN-AL15	1-1/2" EPT Seal, Alum. & Stainless Steel
1614AN-AL20	2" EPT Seal, Alum. & Stainless Steel
1614AN-AL30	3" EPT Seal, Alum. & Stainless Steel
1616AN-AL15	1-1/2" Chemraz® Seal, Alum. & Stainless Steel
1616AN-AL20	2" Chemraz® Seal, Alum. & Stainless Steel
1616AN-AL30	3" Chemraz® Seal, Alum. & Stainless Steel
1619A-AL07	3/4" Viton®-B Seal, Alum.
1619AN-AL15	1-1/2" Viton®-B Seal, Alum.
1619AN-AL20	2" Viton®-B Seal, Alum.
1619AN-AL30	3" Viton®-B Seal, Alum.