

**DUCLF 4ALF SERIES**  
**DUAL CHECK VALVE BACKFLOW PREVENTER**



The Apollo® DUCLF-4ALF Series Dual Check Valve Backflow Preventer is designed to prevent cross-connections of non-potable water (non-hazardous) into safe drinking water systems. It is a compact and economical device that consists of two independently-acting, spring-loaded check valves in a corrosion-resistant material.

**OPERATION**

Each of the two spring-loaded check valves is designed to open at 1 psi differential in the direction of flow. The check valves will remain tightly closed until there is a demand for water downstream. If the downstream pressure of the device increases above the supply pressure or there is a reverse direction of flow, the check valves will close to prevent backflow. If the second check valve is prevented from closing tightly, the first check will close to provide protection from a backflow condition.

**FEATURES**

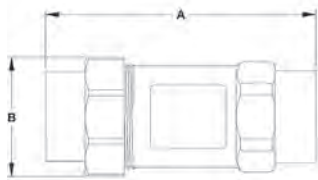
- Low Head Loss
- Independently-Acting Captured Spring Check Valves
- Compact and Lightweight
- Corrosion Resistant
- Replaceable Check Modules
- Industry Lay Lengths
- Available in Standard and Swivel Types
- 5 Year Warranty

**PERFORMANCE RATING**

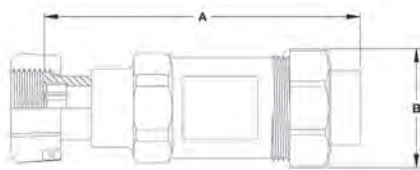
- Maximum Working Pressure: 175 psi
- Operating Temperature Range: 33° to 180°F

**APPROVALS**

- ASSE 1024
- CSA B64.6
- NSF/ANSI 372 Lead Free (4ALF only)



**UNION X NPT**



**METER SWIVEL X NPT**

**STANDARD MATERIALS LIST**

<b>BODY</b>	Lead Free Bronze C87800
<b>TAILPIECE</b>	Lead Free Brass C46500
<b>UNION NUT</b>	Brass C36000
<b>CHECK MODULES</b>	Acetal (3/4"-1")
<b>SPRINGS</b>	Stainless Steel
<b>SEAT DISCS</b>	Buna-N (3/4"-1")

Contact local water authorities for installation/service requirements.

**DIMENSIONS**

SIZE (IN.)	DIMENSIONS (IN.)		WT. (LB.)
	A	B	
1/2"	4.38	2.00	1.40
3/4"	4.38	2.00	1.40
3/4" Meter Swivel	4.75	2.00	1.60
1"	4.38	2.00	1.40
1" Meter Swivel	4.75	2.00	1.75

**METER THREAD SIZING**

<b>5/8" METER</b>	3/4"
<b>3/4" METER</b>	1"
<b>1" METER</b>	1-1/4"

**PART NUMBER MATRIX**

4ALF [X]	3 X	X X	X	X
	UNION INLET CONNECTION <sup>1,2</sup>	INLET AND OUTLET SIZE	OUTLET CONNECTION <sup>1,2</sup>	FINISH
4ALF - LEAD FREE	A - FNPT	3 - 1/2"	A - FNPT	BLANK - SATIN BRASS
	B - MNPT	4 - 3/4"	B - MNPT	
	C - FEMALE METER THREAD	5 - 1"	EXAMPLE: 4ALF 3S54A = Lead Free Dual Check with Female Swivel 1" Inlet (for 3/4" meter connection x 3/4" FNPT outlet)	
	S - FEMALE METER SWIVEL	6 - 1-1/4" (METER THREAD SIZING FOR 1" METER SWIVEL)		

<sup>1</sup>For meter threads, order one size larger than meter size. (i.e.- 4ALF3S54A = 1" Female Meter Swivel Inlet (for connection to 3/4" meter) x 3/4" FNPT outlet

<sup>2</sup>Not all inlet and outlet combinations are available. Please contact Apollo Customer Service for availability.