

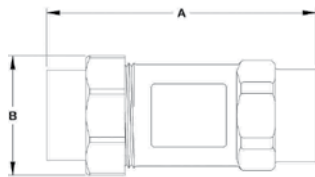
# BACKFLOW PREVENTION CATALOG

## Dual Check Backflow Preventers

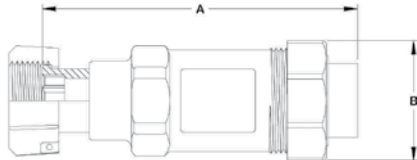
### DUCLF-4N SERIES



Dimensions (In.) – Weight (Lbs.)



Union x NPT (shown)



Meter Swivel x NPT (shown)

### DUAL CHECK VALVE

The Apollo DUCLF-4N 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 Check Valves
- Compact and Lightweight
- Corrosion Resistant
- Replaceable Check Modules
- Industry Lay Lengths
- **Lead-Free**
- Available in Standard and Swivel Types
- Maximum Working Pressure 175 psi
- Operating Temperature Range 33°F-180°F
- ASSE1024
- CSA B64.6
- 5 year, domestic warranty

#### MATERIALS

Part	Material
Body	Bronze (LF C89836)
Union Tailpiece	Brass
Union Nut	Brass
Check Modules	Glass-Filled PPO (3/8"-1/2") Acetal (3/4"-1")
Springs	Stainless Steel
Seat Discs	Buna-N

Contact local water authorities for installation/service requirements.

#### METER THREAD SIZING

5/8" Meter	3/4"
3/4" Meter	1"
1" Meter	1-1/4"

Contact Customer Service for model numbers.

#### DIMENSIONS

Size	A	B	Wt. (Lbs.)
3/8" & 1/2"	3.32	1.88	.70
3/4"	4.375	2	1.40
3/4" Meter Swivel	4.75	2	1.60
1"	4.375	2	1.40
1" Meter Swivel	4.75	2	1.75

#### FACTORY CODE

See Page 69 For Flow Curves

4NLF [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
4NLF = Lead Free	A = FNPT B = MNPT C = Female Meter Thread E = Male Meter Thread S = Female Meter Swivel 2 = Female BSPP	2 = 3/8" 3 = 1/2" 4 = 3/4" 5 = 1" 6 = 1-1/4" (Meter Thread sizing for 1" meter swivel)	A = FNPT B = MNPT C = Female Meter Thread E = Male Meter Thread F = Female BSPP	Blank = Satin Brass C = Satin Chrome

#### Notes:

- 1 For meter threads, order one size larger than meter size. (i.e. - 4N3S54A = 1" Female Meter Swivel Inlet (for connection to 3/4" meter) x 3/4" FNPT outlet  
2 Not all inlet and outlet combinations are available. Please contact Conbraco Customer Service for availability.

Example:  
**4NLF 3S54A** = Lead Free Dual Check with Female Swivel  
1" Inlet (for 3/4" meter connection x 3/4" FNPT outlet)



For additional information, submittal sheets and manuals, visit [www.apollovalves.com](http://www.apollovalves.com)

Customer Service (704) 841-6000