

**DCDALF 4A / DCDA2LF 4A SERIES**

**DOUBLE CHECK DETECTOR BACKFLOW PREVENTER ASSEMBLY**



**TYPE 1 BYPASS**



**TYPE 2 BYPASS**

**TRIFORCE™ CHECK**



The Apollo® Model DCDALF 4A / DCDA2LF 4A Double Check Detector Assembly is designed to prevent contamination of the potable water supply due to back-siphonage or backpressure from substances that are objectionable, but non-health hazards. The TriForce™ center stem guided check valves feature replaceable and reversible silicone seat discs. The bypass assembly serves to measure accurate water use of up to 2 GPM. Available in a wide variety of shut-off options.

Available in both Type 1 and Type 2 bypass configurations. The Type 2 bypass uses the first check of the mainline assembly as the first check of the bypass. The second check of the bypass is a single check valve with a model number and serial number for test recording. This arrangement complies with the National Backflow Standards. The arrangement provides the same level of protection as the Type 1 bypass and the testing procedure is the same.

**FEATURES**

- Domestic Stainless Steel Body: 2-1/2"-8"
- FDA Epoxy Coated Ductile Iron Body: 10" & 12"
- Easy Maintenance: No Special Tools Required
- Drop-In Check Retainers: 2-1/2"-6"
- Bolted-In Checks: 8"-12"
- Low Pressure Loss as Documented by an Independent Approval Laboratory
- Center Stem Guided TriForce™ Check Valves
- Approved for Horizontal and Vertical Up Flow
- Chloramine-Resistant Elastomers
- Lead-Free Standard
- US Patent Nos.: 6,443,184; 7,025,085; 7,533,699
- **Designed, Fabricated, Assembled and Tested in the USA**
- 5 Year Warranty
- Optional Mounting of Bypass on Either Side for Ease of Installation

**APPROVALS**

- ASSE 1048 (With Meter)
- UL, ULC Classified
- FM Approved
- CSA B64.5
- Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University Of Southern California (2-1/2" - 8" Type 1 & 2 Bypass)
- NSF/ANSI 372 Lead Free

**PERFORMANCE RATING**

- Maximum Working Pressure: 175 Psi
- Temperature Range: 33° to 140°F, 180°F Intermittent

**PART NUMBER MATRIX**

4ALF	6 X	X	X	XX	X
	BYPASS SUB-ASSEMBLY OPTIONS	SIZE	METER OPTION	SHUT-OFF VALVES (INLET X OUTLET)	OPTIONS
4ALF - LEAD FREE	0 - TYPE 1 W/ 1/2" DOUBLE CHECK	9 - 2-1/2"	C - CUBIC FEET/MIN	01 - LESS SHUT-OFF VALVES	D - DOMESTIC ASSEMBLY
	2 - TYPE 2 W/1/2" SINGLE CHECK (STD)	0 - 3"	E - GALLONS/MIN	03 - OS&Y FLANGE X OS&Y FLANGE	
	3 - TYPE 1 W/ BYPASS ON LEFT*	A - 4"	G - LESS METER	04 - OS&Y FLANGE X MONITORED (MON.) BUTTERFLY VALVE GROOVE <sup>1</sup>	R1 - RETROFIT*
	4 - TYPE 2 W/ BYPASS ON LEFT*	C - 6"		06 - OS&Y FLANGE X POST INDICATOR FLANGE	R2 - RETROFIT*
		E - 8"		07 - OS&Y FLANGE X OS&Y GROOVE	R3 - RETROFIT*
		G - 10"		08 - OS&Y GROOVE X OS&Y GROOVE	
		H - 12"		09 - MON. BUTTERFLY VALVE GROOVE X MON. BUTTERFLY VALVE GROOVE <sup>1</sup>	
				10 - OS&Y FLANGE X POST INDICATOR GROOVE	*CUSTOM LENGTH RETROFIT ORDERS MUST BE ACCOMPANIED WITH SIGNED FROM #OFBFRETRO WITH EXACT LENGTH REQUIRED.
				13 - POST INDICATOR FLANGE X MON. BUTTERFLY VALVE GROOVE <sup>1</sup>	
				14 - POST INDICATOR FLANGE X POST INDICATOR FLANGE	
				16 - MON BUTTERFLY VALVE GROOVE X POST INDICATOR FLANGE <sup>1</sup>	
				17 - POST INDICATOR FLANGE X OS&Y GROOVE	
				18 - OS&Y GROOVE X POST INDICATOR GROOVE	
				19 - MON. BUTTERFLY VALVE GROOVE X POST INDICATOR GROOVE	
				20 - POST INDICATOR FLANGE X OS&Y FLANGE	
				21 - POST INDICATOR GROOVE X OS&Y GROOVE	
				22 - POST INDICATOR GROOVE X MON. BUTTERFLY VALVE GROOVE <sup>1</sup>	
				23 - MON. BUTTERFLY VALVE GROOVE X OS&Y FLANGE	

**EXAMPLE:**  
4ALF 60A E3 = 4" size lead free double check detector assembly with OS&Y flanged inlet x OS&Y flanged outlet shut-off valves w/ meter in gallons.

\*Orientation of bypass looking downstream.  
Standard is right hand side. Left hand is on opposite side  
<sup>1</sup>Butterfly valves not available in 12" size.

BACKFLOW PREVENTION