

**RPDALF 4A / RPDA2LF SERIES**

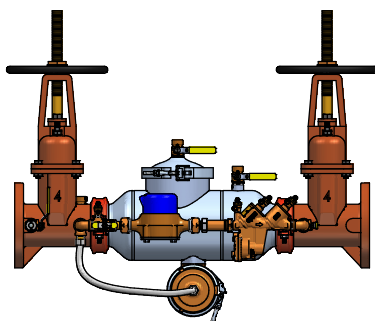
**REDUCED PRESSURE DETECTOR BACKFLOW PREVENTER ASSEMBLY**



**TYPE 2 BYPASS (STANDARD)**



**TYPE 1 BYPASS SIZES 2-1/2"-12"**



**TRIFORCE™ CHECK**



The Apollo® Model RPDALF 4A / RPDA2LF 4A Reduced Pressure Detector Assembly consists of two independently acting, TriForce™ center stem guided check valves with a differential pressure relief valve located between the check valves. The unit is designed to give maximum protection against backflow of health or non-health hazard fluids by either back-pressure or back-siphonage and at the same time detect leakage or unauthorized use of water from fire or automatic sprinkler systems. The durable domestic stainless steel units (2-1/2" to 8") and the FDA epoxy coated ductile iron units (10" and 12") are easily maintained in line without any special tools. The TriForce™ check valves operate with a spring assist in the flowing condition to provide low flow rates which are documented by an independent laboratory.

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
- Snap-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
- Modular Captured Spring Relief Valve
- Optional Air Gap Drain
- 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

**PERFORMANCE RATING**

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

**APPROVALS**

- Approved for Horizontal Flow
- ASSE 1047 (with Meter)
- CSA B64.4
- Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California (2-1/2" - 8" Types 1 & 2 Bypass)
- UL, ULC Classified
- FM Approved
- NSF/ANSI 372 Lead Free

**STANDARD MATERIALS LIST**

<b>BODY (2-1/2"-8")</b>	304 Stainless Steel	<b>COVERS (10" &amp; 12")</b>	FDA Epoxy Coated Ductile Iron
<b>BODY (10" &amp; 12")</b>	FDA Epoxy Coated Ductile Iron	<b>CHECK VALVES</b>	Bronze/Glass-Filled PPO/SS
<b>COVERS (2-1/2"-6")</b>	Glass Filled PPO/SS	<b>SPRINGS</b>	Stainless Steel
<b>COVERS (8")</b>	304 Stainless Steel	<b>SEAT DISCS</b>	Chloramine-Resistant Silicone

**PART NUMBER MATRIX**

4ALF	7 X	X	X	XX	XX
	BYPASS SUB-ASSEMBLY OPTIONS	SIZE	METER OPTION	SHUT-OFF VALVES (INLET X OUTLET)	OPTIONS
4ALF - LEAD FREE (STANDARD)	0 - TYPE 1 W/ 1/2" REDUCED PRESSURE	9 - 2-1/2"	C - CUBIC FEET/MIN	01 - LESS SHUT-OFF VALVES	D - DOMESTIC ASSEMBLY
	2 - TYPE 2 W/1/2" SINGLE CHECK	0 - 3"	E - GALLONS/MIN	03 - OS&Y FLANGE X OS&Y FLANGE	R1 - RETROFIT*
	3 - TYPE 1 W/ BYPASS ON LEFT*	A - 4"	G - LESS METER	04 - OS&Y FLANGE X MONITORED (MON.) BUTTERFLY VALVE GROOVE†	R2 - RETROFIT*
	4 - TYPE 2 W/ BYPASS ON LEFT*	C - 6"		06 - OS&Y FLANGE X POST INDICATOR FLANGE	R3 - RETROFIT*
		E - 8"		07 - OS&Y FLANGE X OS&Y GROOVE	
		G - 10"		08 - OS&Y GROOVE X OS&Y GROOVE	
		H - 12"		09 - MON. BUTTERFLY VALVE GROOVE X MON. BUTTERFLY VALVE GROOVE†	*CUSTOM LENGTH RETROFIT ORDERS MUST BE ACCOMPANIED WITH SIGNED FROM #OFBRETRO WITH EXACT LENGTH REQUIRED.
				10 - OS&Y FLANGE X POST INDICATOR GROOVE	
				13 - POST INDICATOR FLANGE X MON. BUTTERFLY VALVE GROOVE†	
				14 - POST INDICATOR FLANGE X POST INDICATOR FLANGE	
				16 - MON BUTTERFLY VALVE GROOVE X POST INDICATOR FLANGE†	
				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†	
				23 - MON. BUTTERFLY VALVE GROOVE X OS&Y FLANGE	

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