

DCDA24A & DCDA2LF4A

Double Check Detector Assembly with
Slow-Close Ball Valves

SUBMITTAL SHEET

"Apollo" Flow Controls



Job Name:	
Job Location:	
Engineer:	
Contractor:	
Tag:	
PO#:	
Rep:	
Wholesale Dist.:	

DESCRIPTION

The Apollo® Model DCDA24A or DCDA2LF4A Lead Free* 1-1/2" - 2" Double Check Detector Assembly consists of a mainline double check valve with a Type 2 bypass consisting of a single check (SCV) and meter bypassing the mainline second check to prevent backflow while accurately measuring all flows up to 2 gpm while the mainline 2nd check remains closed. The pressure drop across the assembly shall be documented by independent approval agencies. The assembly shall prevent contamination of the potable water supply due to back-siphonage or backpressure from substances that are non-health hazards. This Made in America assembly features Apollo® UL® Listed, slow-close, full open port, gear operated ball valves with integral tamper switches and carries the five-year Apollo® factory warranty.

FEATURES

- Low Pressure Loss Documented By Independent Approval Agencies
- Easily Removable Modular Check Valve Cartridges
- Captured Stainless Steel Springs
- Apollo® UL® Listed, Slow-Close, Full Open Port, Gear Operated Ball Valves with Integral Tamper Switches
- Top-Mounted Test Cocks for Easy Testing
- No Special Tools Required
- Chloramine-Resistant Elastomers
- **Designed, Cast, Machined, Assembled and tested in the USA**
- Short Lay-Length for Small Spaces
- Pre-Wired Tamper (Supervisory) Switches

PERFORMANCE RATING

- Maximum Working Pressure: 175 psi
- Temperature Range: 33°F - 140°F
- Hydrostatic Test Pressure: 350 psi

APPROVALS

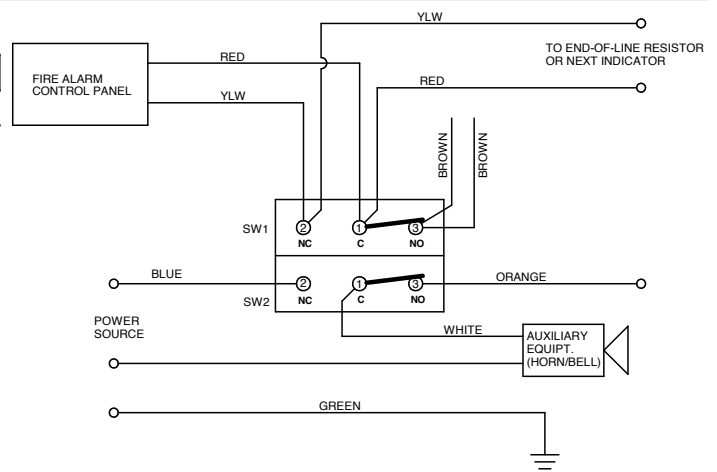
- ASSE 1048 (1-1/2" & 2", Horizontal and Vertical Up)
- UL® Classified (1-1/2" & 2", Horizontal and Vertical Up)
- C-UL® Classified (1-1/2" & 2", Horizontal and Vertical Up)
- Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California.

STANDARD MATERIALS LIST

BODY, CAPS, BALL VALVE SHUTOFFS, TEST COCKS	Bronze C84400 or C89836 or C87800 (Lead Free*)
CHECK VALVE CARTRIDGES	Glass-Filled PPO
SPRINGS	300 Series Stainless Steel
SEAT DISCS	Chloramine-resistant Silicone
O-RINGS	Chloramine-resistant EPDM

PART NUMBER MATRIX

4A [LF]	6 X	X	X 2ST
	BYPASS SIDE	SIZE	METER OPTION
4A - Standard	<input type="checkbox"/> 2- Bypass line on right side (standard - as shown)	<input type="checkbox"/> 7 - 1-1/2"	<input type="checkbox"/> C - ft³/min
4ALF - Lead Free	<input type="checkbox"/> 4- Bypass line on left side	<input type="checkbox"/> 8 - 2"	<input type="checkbox"/> E - gpm <input type="checkbox"/> G - no meter



NOTES:
1) WHEN THE VALVE IS FULLY OPEN, THE INDICATOR LIGHT AND ALARM WILL GO OUT.
2) WIRING SCHEMATIC INDICATED WHEN VALVE IS FULLY OPEN.
3) CIRCUIT WIRING AND GROUND ARE 20 AWG

*LEAD FREE: The wetted surfaces of this product shall contain no more than 0.25% lead by weighted average. Complies with Federal Public Law III-380. ANSI 3rd party approved and listed.

Customer Service (704) 841-6000
www.apolloflowcontrols.com

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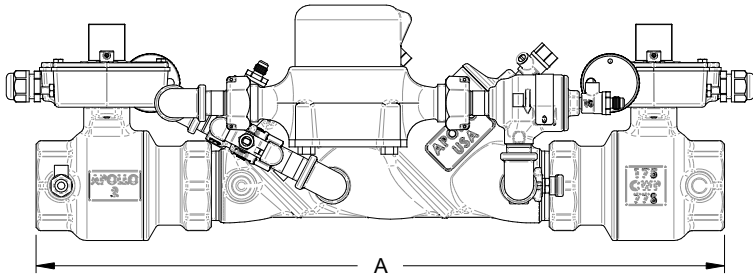
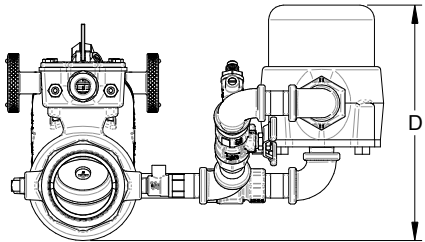
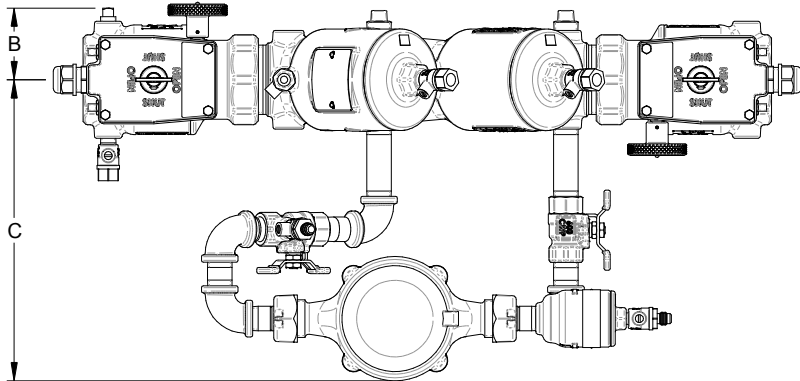
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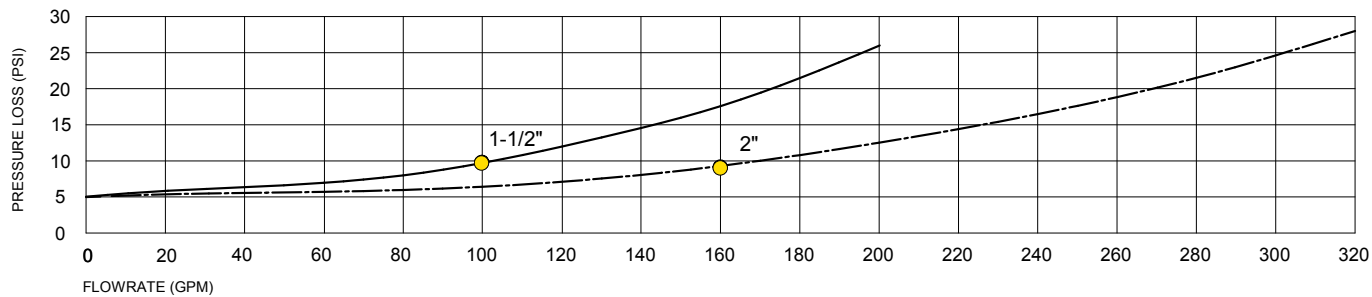
"Apollo" Valves

Size (in.)	Dimensions (in.)					Wt. (lbs.)
	A	B	C	D	E	
1-1/2"	22-1/4	2-5/8	9-3/4	7-5/8		35.2
2"	23-3/4	2-5/8	10	8		45.8



FLOW CURVES

● Meter Rated Flow



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