



Model **DCLF4A LEAD FREE*** DOUBLE CHECK VALVE BACKFLOW PREVENTER

Job Name:	Contractor:
Job Location:	P.O. Number:
Engineer:	Representative:
Tag:	Wholesale Distributor:

SPECIFICATIONS

The 2 1/2" – 12" Backflow Preventer shall be an Apollo® Model **DCLF4A Lead Free* Double Check Valve**. The assembly shall be manufactured in America and carry a **5-year** Apollo® factory warranty. The TriForce™ center stem guided check valves shall feature reversible silicone rubber seat discs. The check valves shall be held in place by SS snap-in retainers (2 1/2" – 6") or SS studs & nuts (8" – 12"). Access to the check valves shall be by an Apollo® quick-connect SS coupling (2 1/2" – 6") or grooved couplings (8" – 12"). The bodies shall be SS in 2 1/2" – 8" sizes and FDA epoxy coated ductile iron in 10" & 12" sizes. The **Lead Free*** Apollo® domestic ball valve test cocks shall have SS handles. The assembly shall prevent contamination of the potable water supply due to back-siphonage or backpressure from substances that are non-health hazards. The pressure drop across the assembly shall be documented by ASSE or USC FCCC&HR Approval curves.

FEATURES

- 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 ASSE or USC FCCC&HR Backflow Preventer approval agencies
- Center stem guided TriForce™ check valves
- Approved for horizontal and vertical flow up
- US Patent Nos. 6,443,184; 7,025,085; 7,533,699
- **Made in the USA – ARRA Compliant**

PERFORMANCE RATING

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



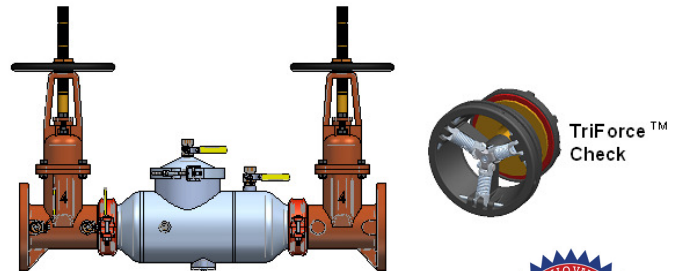
APPROVALS

Sizes 2 1/2" – 8" (Horizontal & Vertical Flow Up):
ASSE 1015, CSA B64.5, IAPMO, UL, cUL

Sizes 10" & 12" (Horizontal):
ASSE 1015, IAPMO, UL, cUL



* **LEAD FREE:** The wetted surfaces of this product shall contain no more than 0.25% lead by weighted average. Complies with CA AB1953, VT Act 193, MD HB372, LA HB471 and Federal Public Law 111-380.



ORDERING INFORMATION

4ALF-1X X-0 X
 Y-STRAINER SIZE SHUT-OFF VALVES

Y-STRAINER

- 0 – None (Standard)
- 1 – With Y-Strainer (Flanged only, shipped loose)

SIZE

- 9 – 2 1/2" A – 4" E – 8" H – 12"
- 0 – 3" C – 6" G – 10"

SHUT-OFF VALVES (Inlet x Outlet)

- 1 – Less Shut-off Valves (see notes)
- 2 – NRS Flg x NRS Flg
- 3 – OS&Y Flg x OS&Y Flg
- 4 – OS&Y Flg x Monitored (Mon.) Butterfly Vlv Grv
- 6 – OS&Y Flg x Post Indicator Flg
- 7 – OS&Y Flg x OS&Y Grv
- 8 – OS&Y Grv x OS&Y Grv
- 9 – Mon. Butterfly Vlv Grv x Mon. Butterfly Vlv Grv
- 10 – OS&Y Flg x Post Indicator Grv
- 11 – NRS Grv x NRS Grv
- 12 – NRS Flg x NRS Grv
- 13 – Post Indicator Flg x Mon. Butterfly Vlv Grv
- 14 – Post Indicator Flg x Post Indicator Flg
- 16 – Mon. Butterfly Vlv Grv x Post Indicator Flg
- 17 – Post Indicator Flg x Mon. Butterfly Vlv Grv
- 18 – OS&Y Grv x Post Indicator Grv
- 19 – Mon. Butterfly Vlv Grv x Post Indicator Grv

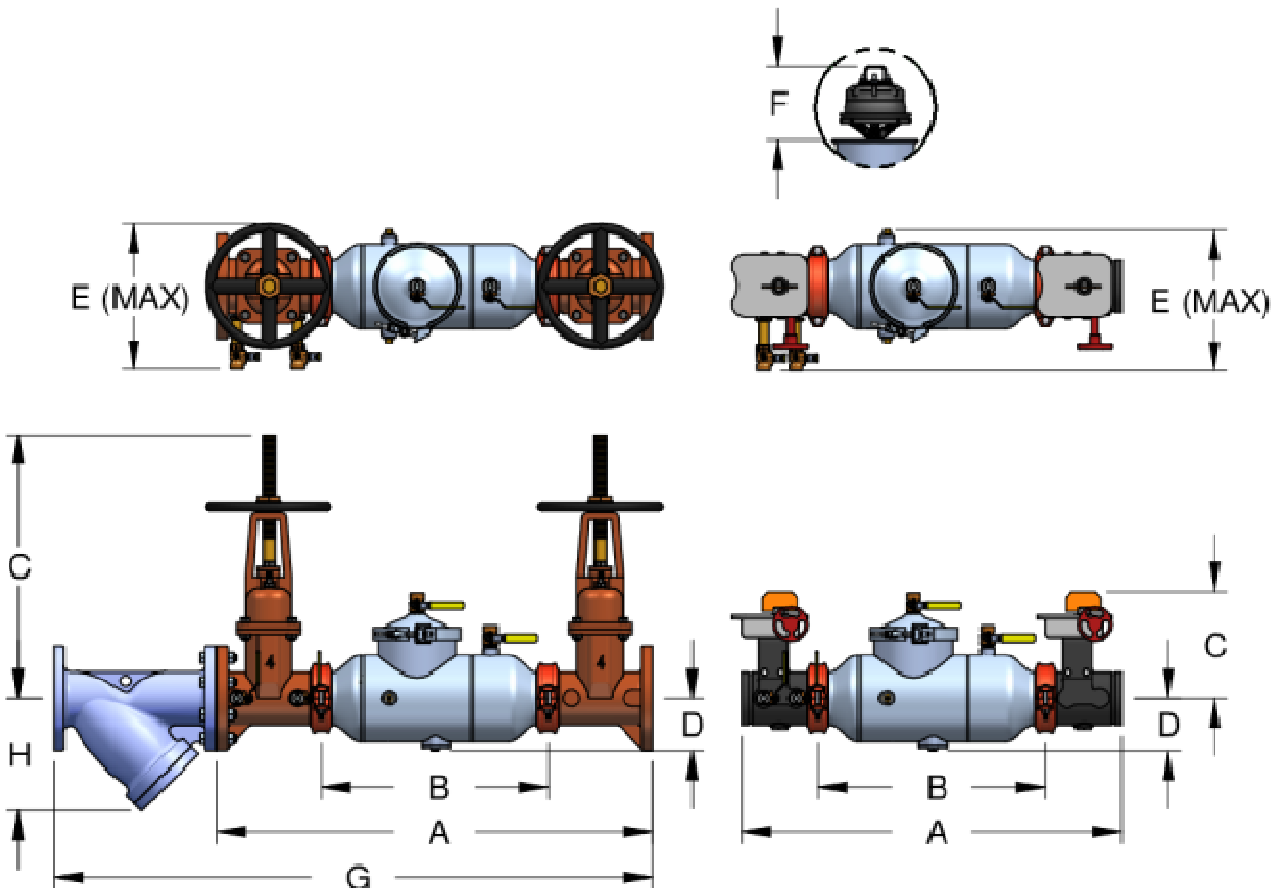
Notes: Post Indicator options not available in 2 1/2" size
Butterfly options not available in 12" size

DIMENSIONS (in.) – WEIGHTS (lbs.)

Size	2 1/2"	3"	4"	6"	8"	10"	12"
A (Butterfly Valves)	28 ±	28 1/2 ±	33 1/4 ±	38 7/8 ±	46 3/8 ±	52 1/4 ±	N/A
A (Gate Valves)	31 ±	32 ±	38 ±	45 7/8 ±	53 3/8 ±	62 1/4 ±	65 1/2 ±
B (Less Shut-off Valves)	15 7/8	15 7/8	19 5/8	24 1/2	30	36	37
C (Butterfly Valves)	8	8 3/8	9 1/8	10 1/8	12	13 3/8	N/A
C (NRS/PI Gate Valves)	11 3/8	12 3/8	14 3/4	19	22 1/2	26 1/2	30
C (OS&Y Open)	16 3/8	18 7/8	22 3/4	30 1/8	37 3/4	45 3/4	53 1/8
D	3 7/8	3 7/8	4 5/8	6	8 1/8	11 3/4	12
E (MAX)	10 1/2	11	12 1/2	14 3/8	17 5/8	21	22
F (Check Removal Clearance)	4 3/4	4 3/4	6 1/2	7 1/2	7 1/2	10	10
G	41 7/8	43 5/8	52	64 1/2	74 7/8	88 3/8	95 5/8
H	8	8 3/4	9 1/2	12 5/8	16 3/8	19	22
Test Cocks (NPT)	1/2"	1/2"	1/2"	3/4"	3/4"	3/4"	3/4"
Net Wt. (Less Valves)	22	23	39	75	208	702	805
Net Wt. (w/ Butterfly Valves)	49	53	83	143	339	920	N/A
Net Wt. (w/ NRS Gate Valves)	108	134	188	314	671	1548	1943
Net Wt. (w/ OS&Y Gate Valves)	118	144	194	324	685	1588	1997

Notes:

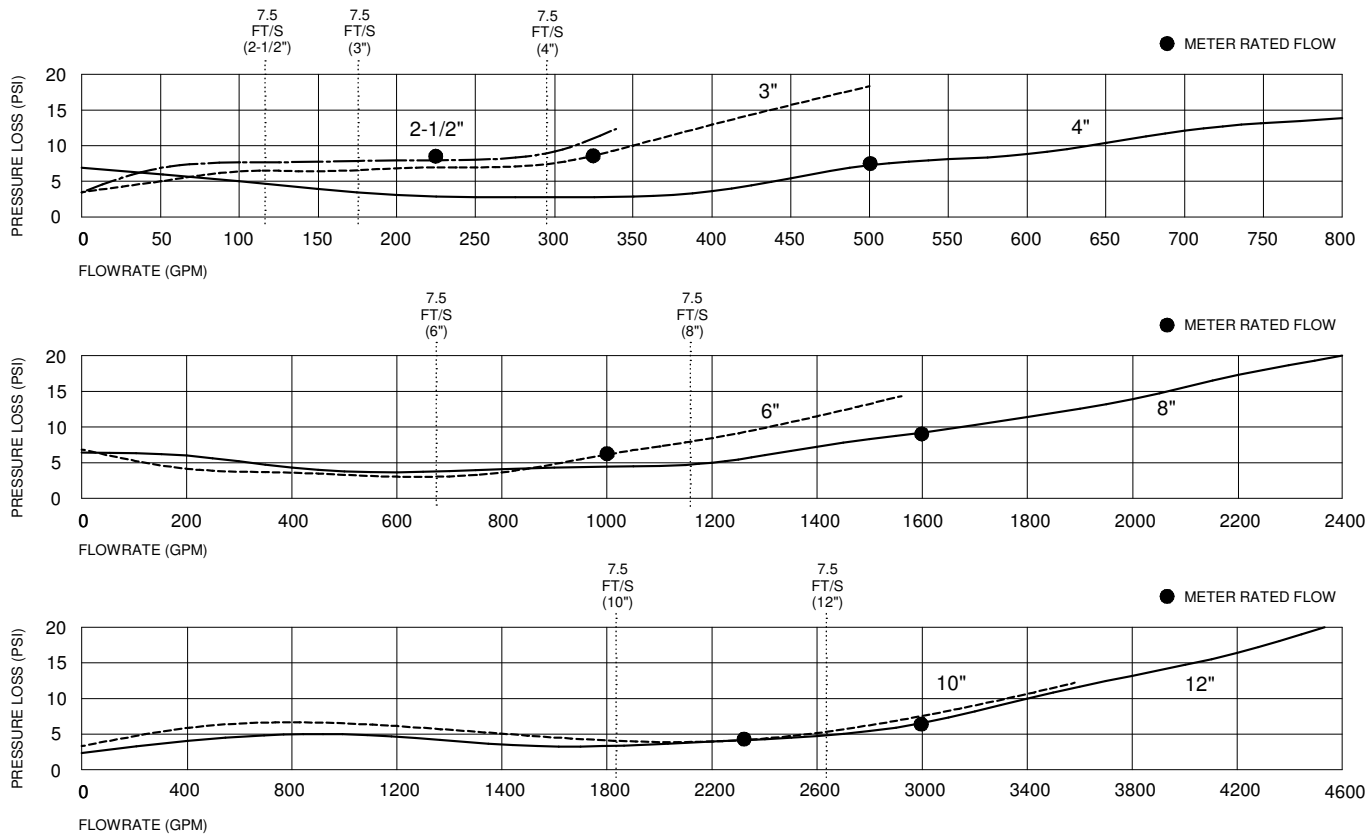
1. Nominal dimensions are shown. Allowances must be made for manufacturers' tolerances (1/8" per joint).
2. Internal body connections are grooved on 2 1/2" – 10" sizes.
3. Internal body connections are flanged on 12" size.
4. Strainer option only available for flanged-end shut-off options.





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FLOW CURVES



Notes:

1. Flow curves directly reflect data collected by an ASSE approved laboratory.
2. Flow curves shown were recorded with butterfly shut-off valves. Flow curves with gate valves are slightly lower. Contact factory for more information.
3. All data points are based on ASSE increasing flow data, from zero GPM to rated flow (opening curve).
4. For high flow rates/pressure loss information – contact factory.

DCLF4A MATERIAL SPECIFICATIONS

Part Name	Material
Body (2 1/2" – 8")	Stainless steel
Body (10" & 12")	FDA Epoxy Coated Ductile Iron
Covers (2 1/2" – 6")	Glass-filled PPO/Stainless steel
Cover (8")	Stainless steel
Covers (10" & 12")	FDA Epoxy Coated Ductile Iron
Check Valves (2 1/2" – 12")	Glass-filled PPO/Bronze (C89836 Lead Free*)/Stainless Steel
Springs	Stainless Steel
Seat Discs	Chloramine-resistant Silicone
Test Cocks	Bronze (C89836 Lead Free*) With Stainless Steel handles