



# 4S-100 SERIES DOUBLE CHECK VALVE

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

## DESCRIPTION

The Apollo® 4S-100 Series (Model DC) Double Check Valves are designed to prevent contamination of the potable water supply due to back-siphonage or backpressure from substances that are non-health hazards. The modular check valves have replaceable seats and reversible EPDM seat discs.

## FEATURES

- Lightweight
- Short lay length
- Low pressure loss
- Modular check valves
- Individual access to check valves
- Corrosion resistant epoxy-coated ductile iron body
- US Patents #5,711,341 and #6,343,618
- MADE IN THE USA

## MATERIAL SPECIFICATIONS

Part Name	Material
Body	Epoxy-coated (FDA) Ductile Iron
Covers (2 1/2"-6")	Epoxy-coated (FDA) Steel
Covers (8"-10")	Epoxy-coated (FDA) Ductile Iron
Check Valves (2 1/2"-6")	Glass-Filled Noryl®
Check Valves (8"-10")	Bronze
Springs	Stainless Steel
Seat Discs	Chloramine-resistant EPDM

## PERFORMANCE RATING

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

## APPROVALS

ASSE® 1015, CSA® B64.5, IAPMO listed, USC's FCCC&HR, AWWA C-510, UL\*, FM\*, and the City of New York.

All approvals in horizontal and vertical flow-up configurations.

\*UL and FM installations must include indicating-type shut-off valves.



## ORDERING INFORMATION

**4 S - 1 X X - 0 X X**

Y-STRAINER

SIZE

SHUT-OFF VALVES

FLOW (OPTIONAL)

## Y-STRAINER

- 0 – None (Standard)
- 1 – With Y-Strainer

## SIZE

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

## SHUT-OFF VALVES (Inlet x Outlet)

- 1 – Less Shut-off Valves (flanged-end body)
- 2 – NRS Flanged x NRS Flanged
- 3 – OS&Y Flanged x OS&Y Flanged
- 5 – Epoxy-coated Flanged Ball Valves
- 6 – OS&Y Flanged x NRS plate & nut\*\*
- 7 – OS&Y Flanged x OS&Y Grooved
- 8 – OS&Y Grooved x OS&Y Grooved
- 10 – NRS plate & nut x NRS plate & nut\*\*

## FLOW

- U – U-Flow (with elbows)

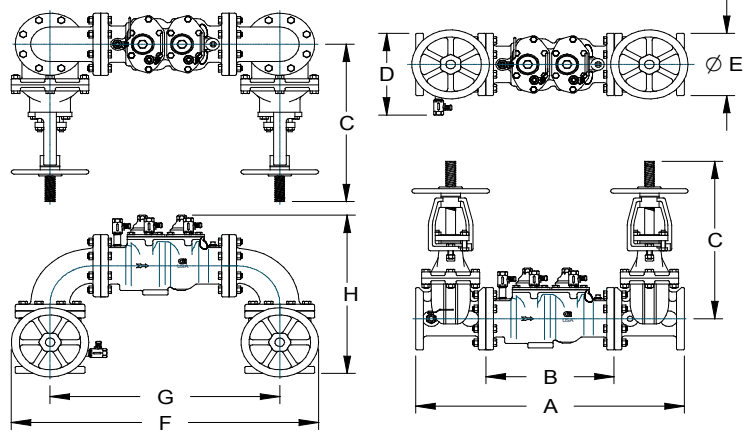
Example: 4S-11A-03 = 4" size with Y-Strainer and OS&Y flanged x flanged shut-off valves (no elbows).

\*\*NRS with plate & nut option not available in 2 1/2" size.

# 4S-100 SERIES DOUBLE CHECK VALVE

## DIMENSIONS (in.) – WEIGHTS (lbs.)

Size	2 1/2"	3"	4"	6"	8"	10"
A*	32 3/4	33 3/4	34 3/4	39 1/4	50 1/4	55 1/4
B* (Flanged-end body)	17	17	16 1/2	18	27	29 1/2
C (NRS)	11 3/8	12 3/8	14 3/4	19	22 1/2	26 1/2
C (OS&Y Open)	17	19	22 3/4	30 1/8	38	46
D	9 5/8	10 3/8	11 1/8	14 1/8	17	19 1/2
E	7	7 1/2	9	11	13 1/2	16
F	34 5/8	38 1/8	39 5/8	46 1/8	59 1/8	69 5/8
G	27 1/4	28 1/4	29 3/4	34 1/4	45 1/4	51 1/4
H	19 7/8	20 7/8	22 7/8	25 7/8	34 3/4	39 1/2
Test Cocks (NPT)	1/2	1/2	1/2	3/4	3/4	3/4
Net Wt. (Less Valves)	67	71	77	95	420	470
Net Wt. (w/ OS&Y shut-off valves)	173	205	275	407	920	1320
Net Wt. (w/ OS&Y valves & elbows)	209	256	360	542	1148	1693



\* Nominal dimensions are shown. Allowances must be made for manufacturers' tolerances.

## FLOW CURVES

