



# 4S-600 SERIES DOUBLE CHECK DETECTOR ASSEMBLY

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

## DESCRIPTION

The Apollo® 4S-600 Series Double Check Detector Assembly (Model DCDA) is designed to prevent contamination of the potable water supply due to back-siphonage or backpressure from substances that are non-health hazards. The device consists of a mainline double check valve with a by-pass line. The by-pass consists of a water meter and an approved Apollo® double-check valve with Apollo® ball valves as shut-offs. The by-pass serves to measure water use of up to 3 gpm.



## 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 (mainline)	Epoxy-coated (FDA) Ductile Iron
Bypass DC	Bronze
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

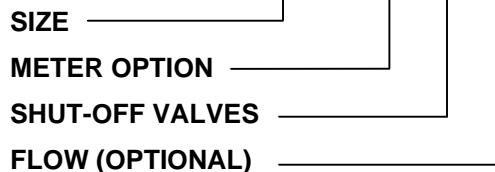
## APPROVALS

ASSE® 1048, CSA® B64.5, USC's FCCC&HR, 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 – 6 0 X – X X X



### SIZE

- |                                     |                                  |
|-------------------------------------|----------------------------------|
| <input type="checkbox"/> 9 – 2 1/2" | <input type="checkbox"/> C – 6"  |
| <input type="checkbox"/> 0 – 3"     | <input type="checkbox"/> E – 8"  |
| <input type="checkbox"/> A – 4"     | <input type="checkbox"/> G – 10" |

### METER OPTION

- C – Cubic feet/min
- E – Gallons/min
- G – Less meter

### SHUT-OFF VALVES (Inlet x Outlet)

- 1 – Less Shut-off Valves (flanged-end body)
- 3 – OS&Y Flanged x OS&Y Flanged
- 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)

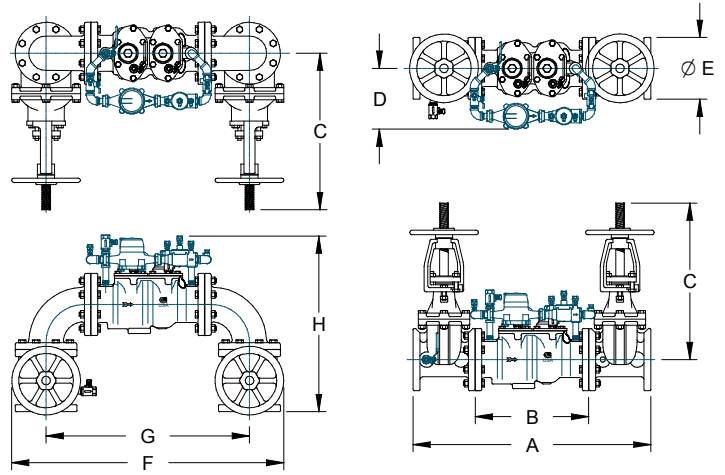
*Example: 4S-60A-E8 = 4" size with meter in gpm and OS&Y grooved x grooved shut-off valves (shown above).*

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

# 4S-600 SERIES DOUBLE CHECK DETECTOR ASSEMBLY

## DIMENSIONS (in.) – WEIGHTS (lbs.)

Size	2 ½"	3"	4"	6"	8"	10"
A*	32 ¼	33 ¼	34 ¾	39 ¼	50 ¼	55 ¾
B*						
(Flanged-end body)	17	17	16 ½	18	27	29 ½
C (NRS)	11 ¾	12 ¾	14 ¾	19	22 ½	26 ½
C (OS&Y Open)	17	19	22 ¾	30 ½	38	46
D	9	9	9	9	10 ¾	10 ¾
E	7	7 ½	9	11	13 ½	16
F	34 ⅝	38 ⅝	39 ⅝	46 ⅝	59 ⅝	69 ⅝
G	27 ¼	28 ¼	29 ¾	34 ¼	45 ¼	51 ¾
H	19 ⅞	20 ⅞	22 ⅞	25 ⅞	34 ¾	39 ½
Test Cocks (NPT)	½	½	½	¾	¾	¾
Net Wt. (Less Valves)	79	83	89	107	440	490
Net Wt. (w/ OS&Y shut-off valves)	185	217	287	419	940	1340
Net Wt. (w/ OS&Y valves & elbows)	221	268	372	554	1168	1713



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

## FLOW CURVES

