

# FEBCO 806

# FEBCO 806YD

## SIZE

3", 4", 6", 8", 10"

## DESCRIPTION

The Model 806 assembly is a double check detector assembly. Production of the 806 was approximately 1979-1988. The main unit uses an assembly similar to the Model 805Y. The bypass unit is the 805Y 3/4". The 806YD was begun approximately 1988 and discontinued in 2013. It utilizes a unit similar to the 805YD design for the main valve. The bypass unit is either the 805Y 3/4" or 805YB. Rubber repair kits are the same for the 806 and the 806YD.

## BASIC REPAIR KIT

Mainline valve repair kit contains all rubber discs and cover O-rings.

<u>SIZE</u>	<u>KIT NO</u>
3"	80530Y *
4"	80540Y *
6"	805600 *
8"	805800 *
10"	805001 *

Bypass valve repair kit contains all rubber discs and cover O-rings.

<u>SIZE</u>	<u>KIT NO</u>
3/4" 805Y	905042
3/4" 805YB	905042

## IMPORTANT FEATURES

~Mainline valve see 805Y or 805YD

~Bypass valve see 805Y 3/4"

~Factory repair information enclosed

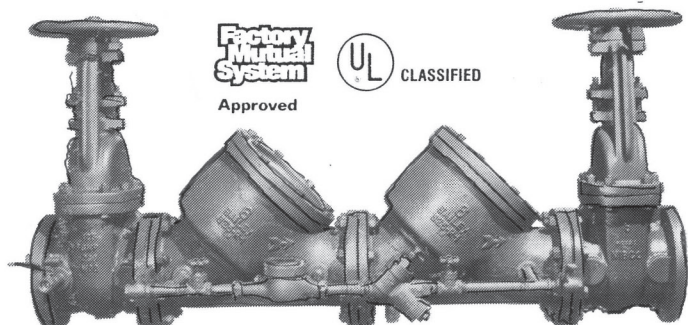




SPECIFICATION SHEET NO. 806YD DCDA (3" - 10")

Dimensions and Weights\* (U.S.-inches)

# Model 806YD DCDA (3" through 10") Double Check Detector Assembly For Automatic Fire Sprinkler Systems



Factory  
Mutual  
System

Approved



CLASSIFIED

SIZE	A	B	C	D	E	NET WT.(Lbs.)	NET WT.(Lbs.)
3"	41 11/16	25 9/16	22 1/4	8 1/8	14 1/2	375	180
4	50 7/16	32 3/16	23 3/4	11	15	515	265
6	59 11/16	38 3/16	32 5/8	14	16	740	400
8	69 3/16	46 1/16	41 1/8	18	17	1115	600
10	84 3/16	58 1/16	50 1/2	22	20	1750	900

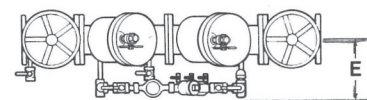
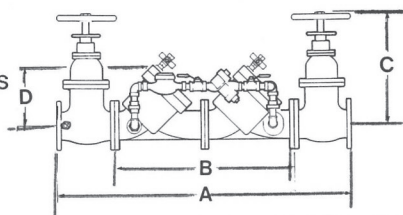
Metric (mm.)

SIZE	A	B	C	D	E	NET WT.(Kgs.)	NET WT.(Kgs.)
76	1058.9	649.3	565.2	206.4	368.3	170	82
100	1281.1	820.7	603.3	279.4	381.0	213	89
150	1516.1	979.5	828.7	355.6	406.4	341	140
200	1757.4	1170.0	1063.6	475.2	431.8	548	224
250	2138.4	1474.8	1282.7	558.8	508.0	733	296

\* Applies to OS & Y gates only. Subject to manufacturing tolerances.

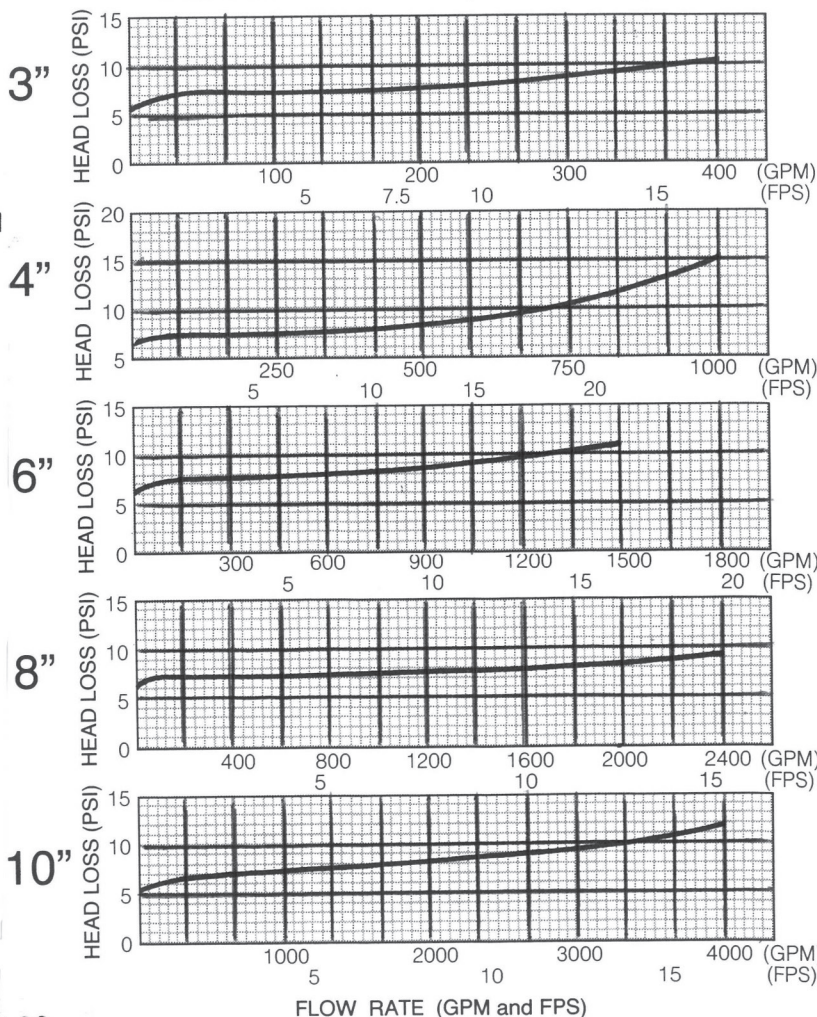
## Features

- **DuraCheck** features all stainless steel spring assemblies for corrosion resistance, reduced fouling and longer valve life.
- **DuraCast**<sup>®</sup> ductile iron bodies for superior strength, corrosion resistance and lighter weight.
- Prevents contamination of potable water by backflow from the fire protection system and detects leaks or unauthorized water use at all flow rates.
- Meets all specifications of USC Foundation for Cross Connection Control and Hydraulic Research.
- Documented flow curves established by University of Southern California Foundation for Cross Connection Control and Hydraulic Research.
- By-pass line has water meter in series with an approved double check valve.
- Low head loss.



## Model 806YD DCDA Flow Curves

(Flow curves as established by the USC Foundation for Cross Connection Control and Hydraulic Research)



## Characteristics and Materials

Sizes	Mainline: 3", 4", 6", 8", 10" By-pass: 3/4"
Maximum working pressure	175 PSI
Hydrostatic test pressure	350 PSI
Temperature range	32°F to 140°F (0°C to 60°)
Fluid	Water
End detail (shut-offs)	Flanged ANSI B16.1
Main valve body	Ductile iron ASTM A536 grade 65-45-12 epoxy coated internal 10-20 mils
Trim	Bronze ASTM B-61
By-pass valve body	Bronze ASTM B584-78
By-pass meter	Totalizing, 1 to 20 gpm Size 1/2" x 3/4"
Mainline shutoff valves	OS&Y, UL/FM
Elastomers	Nitrile ASTM D-2000
Mainline check assembly	Stainless steel, 300 series
Shut-offs	Standard gates OS & Y, resilient wedge

Remote reading flow meter available.