

FEBCO 826 YD

SIZE

2 1/2", 3", 4", 6", 8", 10"

DESCRIPTION

This is a reduced pressure detector assembly. Production began approximately 1989. It uses an assembly similar in design to the 825YD for the main assembly and an 825Y 3/4" for the bypass assembly.

BASIC REPAIR KIT

Mainline repair kit contains all O-rings, rubber discs, rolling diaphragms, and washers.

<u>SIZE</u>	<u>KIT NO</u>	<u>AIR GAP DRAIN</u>
2 1/2"	82Y250 *	AGDL
3"	82Y300 *	AGDL
4"	82Y400 *	AGDL
6"	82Y600 *	AGDL
8"	82Y800 *	AGDL
10"	82Y001 *	AGDL

Bypass repair kit contains all rubber discs, diaphragm, and O-rings.

<u>SIZE</u>	<u>KIT NO</u>	<u>AIR GAP DRAIN</u>
3/4" 825Y	905111	AGDY

IMPORTANT FEATURES

~Mainline assembly see 825YD

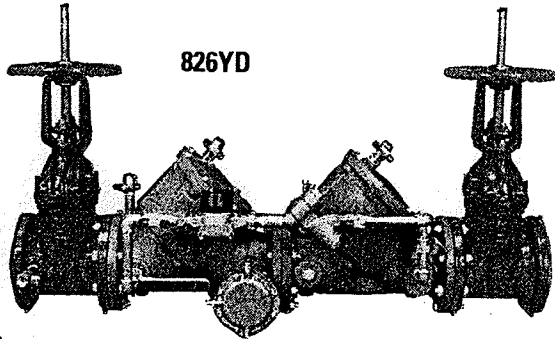
~Bypass assembly see 825Y 3/4"

~Factory repair information enclosed



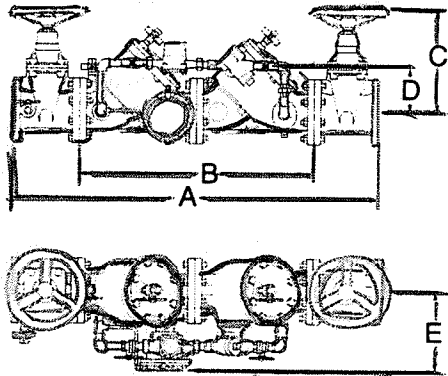


Model 826YD (2½" - 10") Reduced Pressure Detector Assembly For Automatic Fire Sprinkler Systems



Features

- The *DuraCheck*®, features all stainless steel check assemblies for corrosion resistance, reduced fouling and longer valve life.
- *DuraCast*®, ductile iron body for superior strength, corrosion resistance and lighter weight.
- By-pass line has water meter in series with an approved reduced pressure assembly.



Characteristics and Materials

- Sizes _____ Mainline: 2½", 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°C)
- Fluid _____ Water
- End detail _____ Flanged ANSI B16.1
- Main valve body _____ Ductile iron ASTM A536 grade 65-45-12 epoxy coated internal 10-20 mils
- Internal check assembly: _____ 300 series stainless steel
- Trim: _____ Bronze ASTM B-61
- By-pass valve body: _____ Bronze ASTM B584-78
- By-pass meter: _____ Totalizing, 1 to 20 gpm size 5/8" X 3/4"
- Mainline shut-off valves: _____ OS&Y, UL/FM
- Elastomers: _____ Nitrile ASTM D-2000
Diaphragm Nitrile fabric reinforced

Dimensions and Weights (U.S.-Inches)

SIZE	A	B	C	D	E	Net WT.(lbs.) GV	Net WT.(lbs.) LG
2½"	37 ¾ ₁₆	22 ½ ₁₆	16	7 ½	11	243	134
3"	41 11 ₁₆	25 9 ₁₆	22 ¼	8 ½	12	298	154
4"	50 7 ₁₆	32 5 ₁₆	23 ¾	11	13	469	194
6"	59 11 ₁₆	38 9 ₁₆	32 5 ₈	14	15	752	397
8"	69 3 ₁₆	46 1 ₁₆	41 7 ₈	18	16	1207	537
10"	84 3 ₁₆	58 1 ₁₆	50 ½	22	17	1617	957

(Metric-mm-kgs)

SIZE	A	B	C	D	E	Net WG	Net LG
65	944.6	560.4	406.4	180.5	279.4	534.6	294.8
80	1058.9	649.3	565.2	204.8	304.8	655.6	338.8
100	1281.1	820.7	603.3	279.4	330.2	1031.8	426.8
150	1516.1	979.5	828.7	355.6	381.0	1654.4	873.4
200	1757.4	1170.0	1063.6	457.2	406.4	2655.4	1181.4
250	2138.4	1474.8	1282.7	558.9	431.8	3557.4	2105.4

Capacity

