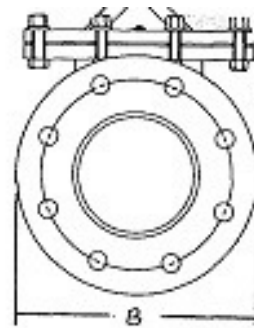


HALF SECTION



END VIEW

Ames Detector- Weights & Dimensions (inches)

Size	Part Number	A	B	C	D	E	F	G	Net Wt.
4"	A113-524	33"	9"	13"	12-1/2"	1NPT	5"	15/16"	160lbs.
6"	A113-526	45"	11"	15-1/2"	17"	1-1/2NPT	6"	1"	235lbs
8"	A113-528	53"	13.5"	18 1/2"	21"	2NPT	7-1/2"	1-1/8"	390 lb
10"	A113-530	83 1/4"	16"	21-3/4"	28"	2NPT	9-3/4"	1-1/4"	465lb5.

Additional Features

The Ames double check detector check valve is used to prevent backflow from fire protection lines into the municipal water system. The device consists of two independently operating, spring loaded check valves, two UL listed OS&Y gate valves, and a bypass assembly.

The bypass assembly consists of a meter which registers in either gallons or cubic measurements, a double check back flow preventer including shut-off valves and required testcocks.

The Ames double check detector check valve is manufactured for ease of installation dependability, durability, and in-line maintenance. The main bodies are built from heavy-duty steel with a galvanized finish. All internal parts are made from stainless steel to prevent corrosion and are easily replaceable for service or repair.

Flow Characteristics

Flow (GPM)	Friction loss in PSI*			
	4"	6"	8"	10"
200	7.60	7.20	-	-
400	7.80	7.79	-	-
600	8.90	8.05	5.20	5.39
800	-	8.22	5.10	5.20
1000	-	8.40	4.50	4.99
1200	-	8.48	4.70	4.74
1500	-	8.58	4.10	4.13
2000	-	-	2.2	2.35

Developed by USC Foundation for Cross Connection Control.

Other Specifications

- * Unit comes assembled with bypass which includes water meter and backflow prevention device. testcocks are included.
- * Rated working pressure 4", 6", 8" (175 PSI), 10" (150PSI).
- * Flange dimensions and holes in accordance with ANSI 816.5 Class 125.
- * All internal metal parts are stainless steel with exception of bronze seat ring.
- * Body nameplate provides nominal size, direction of flow, PSI rating and year of manufacture.