

Model 910 Anti-Siphon Valve

Application

Anti-siphon valves are used to help prevent the accidental siphoning of a product from a tank in the event of a leak downstream below the liquid level.

Features and Details

- Normally closed
- Compatible in suction or pressurized systems
- Unique spring design allows for optimum opening pressure
- High flow at optimum pumping pressures
- Four elevation ratings available
- Tamper-proof cap to ensure accurate elevation ratings
- 90° configuration for easy piping from tank top to grade level
- This valve can be installed in both horizontal and vertical piping
- Integrated thermal expansion relief set at approximately 25 PSI

Operational Criteria

- Operating pressure rated at 50 PSI (433.7 kPa)
- Operating temperature range rated at -20°F (-28°C) to 125°F (51°C)

Materials of Construction

- Body... ductile iron (e-coated)
- Cap... stainless steel
- Spring... stainless steel
- Plunger... stainless steel with Viton® disc
- Thermal expansion valve... stainless steel with Viton® seal

Certification and Listings

- cUL_{us} listed

Item Number	Size	Description	Weight (lbs)
910---1000 AV	1½" NPT	Anti-siphon valve 0-5 feet w.c.	6.46
910---1100 AV	1½" NPT	Anti-siphon valve 5-10 feet w.c.	6.46
910---1200 AV	1½" NPT	Anti-siphon valve 10-15 feet w.c.	6.46
910---1300 AV	1½" NPT	Anti-siphon valve 15-20 feet w.c.	6.46
910---2000 AV	2" NPT	Anti-siphon valve 0-5 feet w.c.	5.42
910---2100 AV	2" NPT	Anti-siphon valve 5-10 feet w.c.	5.42
910---2200 AV	2" NPT	Anti-siphon valve 10-15 feet w.c.	5.42
910---2300 AV	2" NPT	Anti-siphon valve 15-20 feet w.c.	5.42
910B--1000 AV	1½" BSP	Anti-siphon valve 0-5 feet w.c.	6.46
910B--1100 AV	1½" BSP	Anti-siphon valve 5-10 feet w.c.	6.46
910B--1200 AV	1½" BSP	Anti-siphon valve 10-15 feet w.c.	6.46
910B--1300 AV	1½" BSP	Anti-siphon valve 15-20 feet w.c.	6.46
910B--2000 AV	2" BSP	Anti-siphon valve 0-5 feet w.c.	5.42
910B--2100 AV	2" BSP	Anti-siphon valve 5-10 feet w.c.	5.42
910B--2200 AV	2" BSP	Anti-siphon valve 10-15 feet w.c.	5.42
910B--2300 AV	2" BSP	Anti-siphon valve 15-20 feet w.c.	5.42

SPECIFICATION SHEET



Note: The all new 910 Series replaces the previous 910ER series.

Note: Opening vacuum values were determined by testing with water through the valve alone. This valve is designed for use in engineered fluid transfer piping systems. The pump capacities and all piping system losses must be considered by the system design engineer during valve selection. All piping system losses will affect the vacuum required to pump through the valve and system.



Item Number	Setting	Opening Pressure (PSI)	Opening Vacuum (In. Hg)	Ft. Water	Ft. Diesel	Ft. Gas
910---1000 AV 910---2000 AV 910B--1000 AV 910B--2000 AV	0'-5'	1.87	3.81	4'4"	5'0"	6'0"
910---1100 AV 910---2100 AV 910B--1100 AV 910B--2100 AV	5'-10'	3.80	7.74	8'8"	10'0"	12'2"
910---1200 AV 910---2200 AV 910B--1200 AV 910B--2200 AV	10'-15'	5.66	11.52	13'1"	15'0"	18'1"
910---1300 AV 910---2300 AV 910B--1300 AV 910B--2300 AV	15'-20'	7.34	14.94	17'0"	20'0"	23'6"

