

# Drain Air Lost



## Annual Costs

Valve with 1/4" orifice		Seconds open per cycle				
Pressure	Cycles per Hour	3	5	10	15	20
100	3	\$69	\$114	\$228	\$342	\$456
100	6	\$138	\$228	\$456	\$684	\$912
100	10	\$228	\$364	\$728	\$1092	\$1456
125	3	\$85	\$138	\$276	\$414	\$552
125	6	\$170	\$276	\$552	\$828	\$1104
125	10	\$276	\$455	\$910	\$1365	\$1820

Valve with 3/8" orifice		Seconds open per cycle				
Pressure	Cycles per Hour	3	5	10	15	20
100	3	\$153	\$256	\$512	\$768	\$1024
100	6	\$306	\$512	\$1024	\$1536	\$2048
100	10	\$512	\$922	\$1844	\$1276	\$3688
125	3	\$187	\$310	\$620	\$930	\$1240
125	6	\$374	\$620	\$1240	\$1860	\$2480
125	10	\$620	\$1036	\$2072	\$3108	\$4144

Valve with 1/2" orifice		Seconds open per cycle				
Pressure	Cycles per Hour	3	5	10	15	20
100	3	\$272	\$454	\$908	\$1362	\$1816
100	6	\$544	\$908	\$1816	\$2724	\$3632
100	10	\$908	\$1636	\$3272	\$4908	\$6544
125	3	\$332	\$554	\$1108	\$1662	\$2216
125	6	\$664	\$1108	\$2216	\$3324	\$4432
125	10	\$1108	\$2034	\$4068	\$6102	\$8136

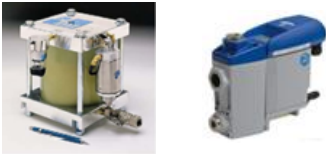
Based on 24 hour/day, 365 days/year, 14.7 psid 70° F and a compressed air cost of \$3.00/100 CFM/hour - using orifice flow charts as published by the Compressed Air & Gas Institute. **ONE VALVE ONLY!**

Every compressed air system has at least one drain valve to remove the condensed water from the system. These would normally be found on: intercoolers, after coolers, receivers (tanks), dryers, drip legs, etc.

The drains need to be monitored daily or weekly. If you are not getting any liquid out, the drain is not functioning and this could cause other major problems in your system.

Always install the drain so that you can visually inspect the condensate that is being drained. Install a manual shutoff valve in front of the strainer to allow for service while the system is on line. Always install a strainer before the drain to remove dirt and scale, etc. Clean the strainer on a regular basis.

If you have a manual valve and crack it open slightly so that air is always escaping this is pouring money down the drain IN A BIG WAY!



### Zero Loss Drains

These drain valves do not waste any valuable compressed air. They detect the presence of liquid and only operate when filled to a pre-determined level. Upon actuation, they discharge only liquid and close before any compressed air can be exhausted.

All drains need maintenance and should be inspected on a regular basis. For more information on drains and compressed air management please call 866-468-9814 or visit [aircompressors.com](http://aircompressors.com).