AIR VALVES
(AIR VENT VALVES)
APPLICATIONS & FUNCTIONS

APPLICATIONS	Air Release Valve	Air/Vacuum Valve	Combination Air Valve	Surge-Suppression Air Valve	Vacuum Breaker Air Valve	Vacuum Priming Valve	Wastewater Air Release Valve	Wastewater Air/Vacuum Valve	Wastewater Combination Air Valve	Well Service Air Valve
Booster Pump Station	x		x	x						
Centrifugal Pump Volute	x				x	x			x	
Filter Backwash Piping	x		x	x	x		x			
Fire Pumps (FM Approved, UL Listed)	x									x
Force Main				x	x		x	x	x	
High Points	x	x	x	x	x		x	x	x	
Hydropneumatic Tanks	x									
Industrial Process Water	x	x	x	x	x		x	x	x	x
Lift Station						x	x	x	x	
Municipal Wastewater Collection							x	x	x	
Penstock					x					
Pressure Filters	x		x	x	x					
Pulp/Paper	x	x	x	x	x		x	x	x	
Pump Station High Points	x	x	x	x	x					
Slurries, Mining, Bottom Ash	x	x	x	x	x		x	x	x	
Storage Tank Valves			x	x	x					
Turbine Well Pump Discharge										x
Venturi Meters	x		x				x		x	
Water Distribution and Transmission	x	x	x	x	x					

FUNCTIONS	Air Release Valve	Air/Vacuum Valve	Combination Air Valve	Surge-Suppression Air Valve	Vacuum Breaker Air Valve	Vacuum Priming Valve	Wastewater Air Release Valve	Wastewater Air/Vacuum Valve	Wastewater Combination Air Valve	Well Service Air Valve
Admitting Large Volumes of Air During Shut Down and Draining Operations (Power Failure)		x	x	x	x			x	x	x
Air Bound Pump Protection	x					x				
Air Related Head Loss Protection (Efficiency)	x		x	x			x		x	
Air Related Surge Protection		x	x	x	x		x	x	x	x
Column Separation		x	x	x	x			x	x	x
Control Air Valve Exhaust				x						x
Maintain Pipeline Efficiency	x		x	x			x		x	x
Maintain Pump Prime						x				
Regulated-Exhaust of Large Volumes of Air During Start-Up and Filling Operations				x						x
Vacuum Protection (Pipe Joints, Gaskets, Packing, Etc.)		x	x	x	x			x	x	x
Venting of Accumulated Air During System Operation	x		x	x		x	x		x	