



AUTOMATIC AIR & VACUUM VALVE  
FOR POTABLE WATER

Model 986  
Automatic Air and Vacuum Release Valve, steel - epoxy powder coated  
for operating range: 0-250 PSI (17.2 Bar)

Type	Size ANSI	Maximum Pressure PSI/Bar	Body Material	Overall Width B Inch/mm	Overall Height H Inch/mm	Weight Lbs./Kg
Thread	2" FNPT	250 PSI 17.2 Bar	Steel	10.75" 270 mm	23.2" 600 mm	50.7 lbs 23.0 Kg

ENGINEERING STANDARDS 2022					
REVISIONS		ENGINEERING DIVISION CITY OF POMPANO BEACH	H-TEC AIR AND VACUUM VALVE		
BY	DATE		DATE: MAY 2022 DWG. NO. 123-1		
		SCALE: N.T.S.			

No.	Component	Series - Epoxy-coated steel
1	Outlet elbow w. screen/camlock 1.5"	Polyethylene (PE)
2	Diaphragm	Buna HNBR
3	Hex Head Bolt	Stainless Steel
4	Hexagon nut	Stainless Steel
5	Debris shield	Polyethylene (PE)
6	Body	Steel - epoxy powder coated
7	Float	Delrin®(PDM)
8	Ball valve, 1"	Stainless Steel
9	Float spindle	Stainless Steel 316II
10	Debris screen	Delrin®(PDM)
11	Diaphragm holder	Delrin®(PDM)
12	O-Ring 157 x 6 mm	Buna NBR
13	Clamping flange	Steel - epoxy powder coated
14	Upper air valve part	Delrin®(PDM)
15	Valve spring	Stainless Steel
16	Damper ring	Buna NBR

Automatic Air and Vacuum Release Valve, steel - epoxy powder coated  
(Model # 986).

Automatic Air and Vacuum Valves shall be infinitely variable automatic air and vacuum valves designed to allow escape of air for a operating range starting from pressure range: 00 through 250 psi (0 - 17.2 bar), allow air to enter in the event of a vacuum, and soft working behavior as water hammer inhibition realized by roll-on diaphragm and spring mechanism. A debris shield made of PE allows no contact between fluid and sealing area. A secondary debris screen provides an additional protection for the diaphragm. The float shall be Delrin (Polyoximethylene, PDM);the valve seat and all working parts shall be of corrosion-resistant materials.

Air and vacuum valves shall be, from H-TEC, Inc. (Hawle company)

PAINT BODY OF THE VALVE BLUE USING AN EXPOXY PAINT.

ENGINEERING STANDARDS 2022					
REVISIONS		ENGINEERING DIVISION CITY OF POMPANO BEACH	H-TEC AIR AND VACUUM VALVE MATERIALS OF CONSTRUCTION		
BY	DATE		DATE: MAY 2022 DWG. NO. 123-2		
		SCALE: N.T.S.			

DRC

PZ23-12000009  
03/05/2025



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					DRAWN: WFI    DATE: 01/2023	DATE:					
					CHECKED: BMP    DATE: 11/2023	PROJECT NUMBER 22036    SHEET WD4 OF 4					
NO.	REVISIONS	DATE	NO.	REVISIONS	DATE	PUBLISHED: 10/21/2024, 4:36:28 PM					