



**SANSPAR**

**CAPE TOWN**  
Tel: 021-5110283 - Email: info@sanspar.co.za  
**JOHANNESBURG**  
Tel: 011-3976889 - Email: jhb@sanspar.co.za  
**DURBAN**  
Tel: 031-7002485 - Email: kzn@sanspar.co.za

# UNI-FLO 50mm AIR RELEASE AND VACUUM VALVES

## COMBINATION AUTOMATIC AIR VALVE 50mm (Screwed Male BSP)

### DESCRIPTION

This valve has been designed for efficient discharge of large air volumes from small water network systems, filters, containers and other devices where trapped air may impair the operation of the system.

#### The valve is appropriate for:

- Expelling air at high flow velocity during the initial filling of the systems.
- Introducing air when the pipe drains, maintaining atmospheric pressure in the pipe and preventing collapse and damage to the conduits.
- Relieves entrained air from the water while the network is pressurized.

### PROPERTIES

- Leak-proof sealing at all conditions, including low system pressure.
- The aerodynamic design of the float provides air flow at a very high velocity but at the same time the float does not close before the water has reached the valve.
- The valve design contains a limited number of parts allowing for easy dismantling should the need arise.
- Threaded swivel outlet - BSP female.

### OPERATION

#### The air valve has three modes of operation

- Discharge of air during initial filling
- Introduction of air into the pipe causing the float to drop allowing air into the pipe avoiding pipe collapse.
- Releasing entrained air during operation.

### DIMENSIONS

H	Height	267mm
W	Width	100mm
D	Threaded attachment	50mm BSP
a	Nozzle Area	7mm <sup>2</sup>
A	Kinetic nozzle area	855mm <sup>2</sup>
Weight		0.73kg

### SPECIFICATIONS

PART NO.	DESCRIPTION	MATERIAL
1	Base	GRP
2	O-ring	NBR
3	Body	GRP
4	Kinetic float	Polypropylene
5	Automatic seal	EPDM
4	Automatic float	GRP
5	Kinetic seal	EPDM

