



NAV - NETAFIM™ AIR VALVES

INNOVATIVE, DURABLE VALVES FOR ENSURING ADVANCED AIR CONTROL

OVERVIEW

These type of air valves discharge large quantities of air from non-pressurized dripperlines and are used mainly during pipe filling. Air discharge is critical for efficiently filling pipelines with liquid. Air and Vacuum Valves also enable the intake of large quantities of air when lines are drained, when the pressure drops suddenly and at water column separation. Air intake is essential when draining lines during maintenance and for preventing pipe collapse when vacuum conditions exist. These valves operate when the line is NOT pressurized and remain closed when the line is under pressure. When pressure drops below atmospheric pressure, the valves open.

FEATURES & BENEFITS

- High reliability
- Easy installation
- Low maintenance
- Wide application range
- Long lifespan

KINETIC AIR VALVES - NAVk 10

These type of air valves continuously release accumulated air entrapped in a pressurized line. This entrapped air is found mostly at the peaks of the pipeline. As air accumulates in the air release valve, water is displaced, the float lowers with the drop in the water level and air is released from the exposed orifice. As water refills the air release valve, the float rises and reseals the valve.



HIGHLIGHTS

- Large-diameter kinetic orifice
- Applications: main irrigation networks, irrigation control heads, in-field systems, landscape irrigation, pipelines
- Sizes: 3/4", 1", 2"

LOGISTIC INFORMATION

CATALOG NUMBER	PRODUCT DESCRIPTION
32600-002500	NAVk 10 1" KINETIC AV PN10 BSP
32600-002800	NAVk 10 1" KINETIC AV PN10 NPT
32600-004500	NAVk 10 2" KINETIC AV PN10 BSP
32600-004200	NAVk 10 2" KINETIC AV PN10 NPT
32600-001000	NAVk 10 3/4" KINETIC AV PN10 BSP
32600-001100	NAVk 10 3/4" KINETIC AV PN10 NPT

Missing catalog numbers available upon request.

PACKAGING DATA	NAVk 10 3/4"-1"	NAVk 10 2"
No. of layers in box	2	1
No. of units in box	24	12
Length (cm)	31	37
Width (cm)	23	27.2
Height (cm)	24.5	17.5
Gross weight (kg)	4.82	3.92
Volume (m ³)	0.0174	0.0266

COMBINATION AIR VALVES - NAVc 10 & NAVc 16

These type of air valves fulfill the tasks required of both types - Air and Vacuum and Automatic Air Release Valves. They discharge large volumes of air when the system is being filled, admit large volumes of air during system drainage and continuously release entrapped air when the system is under pressure.



HIGHLIGHTS

- Large-diameter automatic orifice
- All-in-one product for safe pipeline filling/ draining and dissolved air pocket release
- Applications: main irrigation networks, irrigation control heads, in-field systems, landscape irrigation, pipelines
- Sizes: 3/4", 1", 2"

LOGISTIC INFORMATION

CATALOG NUMBER	PRODUCT DESCRIPTION
32600-002000	NAVc 10 1" COMBINATION AV PN10 BSP
32600-002750	NAVc 10 1" COMBINATION AV PN10 NPT
32600-004000	NAVc 10 2" COMBINATION AV PN10 BSP
32600-004100	NAVc 10 2" COMBINATION AV PN10 NPT
32600-002700	NAVc 16 1" COMBINATION AV PN16 BSP
32600-002850	NAVc 16 1" COMBINATION AV PN16 NPT
32600-004700	NAVc 16 2" COMBINATION AV PN16 BSP
32600-004750	NAVc 16 2" COMBINATION AV PN16 NPT

PACKAGING DATA	NAVc 10,16 3/4"-1"	NAVc 10,16 2"
No. of layers in box	1	1
No. of units in box	12	6
Length (cm)	37	40.5
Width (cm)	27.2	25.5
Height (cm)	17.5	28.2
Gross weight (kg)	5.84	8.47
Volume (m ³)	0.0266	0.0291

Missing catalog numbers available upon request.

TECHNICAL INFORMATION - KINETIC & COMBINATION AIR VALVES

MODEL	SIZE	PRESSURE RATING (BAR)	ORIFICE SPECIFICATION			AIR FLOW DURING PIPE LINE FILLING, DRAINING & VACUUM CONDITIONS		AUTOMATIC AIR RELEASE	LOW PRESSURE SEALING
			D KINETIC (MM)	AD KINETIC (MM ²)	AD AUTOMATIC (MM ²)	AIR RELIEF AT +0.4 BAR (M ³ /HOUR)	AIR INTAKE AT -0.4 BAR (M ³ /HOUR)	AIR RELEASE AT 10 BAR (M ³ /HOUR)	MINIMUM OPERATION PRESSURE (BAR)
NAVk 10	3/4"	10	20.2	320		190	-180		0.1
	1"		20.2	320		220	-210		
	2"		45	755		310	-300		
NAVc 10	3/4"	10	20.2	320	5.4	130	-170	45	
	1"		20.2	320	5.4	130	-170	45	
	2"		45	1590	12.2	550	-480	110	
NAVc 16	3/4"	16	20.2	320	5.4	130	-170	45	
	1"		20.2	320	5.4	130	-170	45	
	2"		45	1590	12.2	550	-480	110	