

# AIR RELEASE VALVES

## APPLICATIONS

- Valves designed and manufactured to extract air from hoses, filters, pumps.

### 1" and 2" kinetic valve



The air release phase ends as soon as the water arrives inside the valve, lifting the float and closing the outlet hole. When the system stops, the valve prevents the collapse of the tube, allowing the air in the system to resume a pressure equal to zero.

### 2" kinetic and Automatic Valve



It extracts the air from the hoses when in excess. This phase ends as soon as the water arrives inside the valve, lifting the float and closing the outlet hole. It maintains an automatic control, eliminating the possibility that even the slightest flow may reach the valve causing the float to lower and the partial or total opening of the hole. The collapse of the tubing is avoided by the decrease in the pressure.

## SPECIFICATION TABLE

	1" kinetic valve	2" kinetic valve	Automatic valve	Kin. & Aut. valve
Code	ARV-1-K	ARV-2-K	ARV-1-A	ARV-2-KA
Operating pressure (bar)	15.51	15.51	11.7	15.51
Complete closure (bar) Total	0.2	0.2	0.2	0.2
volume of the air release in m <sup>3</sup> /h with closed valve and no water	501	1002	70	1002
Volume of the air release @ 0.34 bar (m <sup>3</sup> /h)	44	442	5	238

## Codification

Code	Description
ARV-1-K	1" male threaded kinetic air release valve
ARV-1-A	2" male threaded automatic air release valve
ARV-2-K	2" male threaded kinetic air release valve
ARV-2-KA	2" male threaded kinetic and automatic air release valve

## OPERATION

- When air enters the irrigation system, the valve extracts excess air from the hoses.

### 2" Automatic valve



The release phase continues automatically during system operation. Air is allowed to enter only when the system is stopped.

