

RP 500

BACK FLOW PREVENTER

MADE OF COMPOSITE PLASTIC MATERIALS

**THE NEW A.R.I BACK FLOW PREVENTER , WITH
REDUCE PRESSURE ZONE ,**

**Designed to provide the best protection against
back flow-caused by negative or opposite pressure,
as well as durability. Back flow may cause
infiltration of chemicals , fertilizers and/or other
pollutants into drinking water systems.**

**The RP 500 is reliable and easily maintained, and
does not require special tools.**

**The RP 500 has two independent, easily replaceable,
spring check valves in capsules.**

Function:

**At normal flow, the two check valves are open, supplying water down stream. The relief
valve is kept closed by a diaphragm, activated by upstream pressure, through the
internal control system. The pressure in the area between the two check valves is
about 0.43 BAR lower than the water supply pressure.**

**When negative pressure or sub-atmospheric conditions occur, the check valves close,
preventing back flow.**

**If the second check valve fails, the pressure between the two check valves rises,
causing the opening of the relief valve, and releasing the water to the atmosphere.**

FEATURES:

♥ WORKING PRESSURE - 10 BAR ♥ SIZES: 3/4"(20mm) - 1 "(25mm) ♥
WORKING TEMP. FROM - 0.5°C TO 65°C ♥ MADE OF COMPOSITE
PLASTIC MATERIAL, RESISTANT TO CORROSION, TO INCRUSTATION, TO
FERTILIZERS, TO HERBICIDES, TO INSECTICIDES, ETC. ♥ INTERNAL
CONTROL SYSTEM ENSURES RELIABILITY AND SAFETY.

ADVANTAGES:

♥ EASY AND QUICK INSTALLATION ♥ ECONOMICAL ♥ LIGHT WEIGHT ♥ UV
RESISTANT ♥ MEETS INTERNATIONAL STANDARDS ♥ SPECIALLY SUITED
FOR PLASTIC PIPING ♥ LOW HEAD-LOSS ♥ VARIETY OF INSTALLATION
OPTIONS ♥ KEEPS LONG WORKING LIFE WITH EASY MAINTENANCE.

**A.R.I. RP 500 is approved under ASSE 1013, U.P.C, AS2845.1
and is in the process of approval by C.S.A , WRAS, N.S.F.G.I , US.C**