

# Pressure Relief Valve (High Pressure System)

2" & 3"



AQ-102/103



AQ-102C/103C

## Features

- Quick response to relief system surge pressure.
- High strength aluminum casting construction.
- Long term setting stability.
- User Friendly design
- Easy Pressure setting
- Pressure port available for pressure adjustment.

## Applications

- Pressure Relief valves are suitable for aluminum and high pressure plastic pipings used in irrigation systems.
- Pressure Relief valves are reliably protect piping system for damage caused by surge water pressure.

## Model Descriptions

Model: 102: 2" PRV

Model: 102C: 2" PRV with Cover

Model: 102HP: High pressure setting 2" PRV

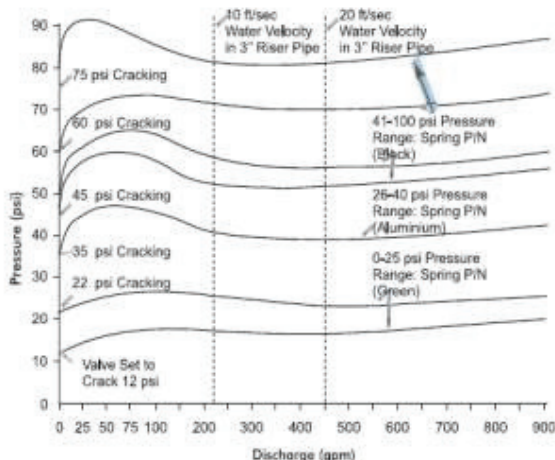
Model: 1023: 3" PRV

Model: 1023C: 3" PRV with cover

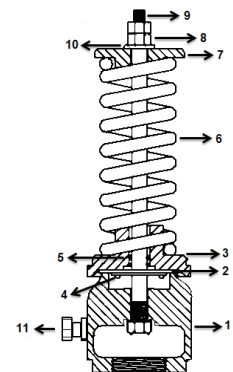
## Technical Specifications

- Available in 2" & 3" BSP/NPT Female threaded connection
- Pressure Port: 1/4" BSP/NPT Female threaded
- Pressure Relief Setting: 1.5 kg/cm<sup>2</sup> to 8.2 kg/cm<sup>2</sup> (22PSI to 120PSI)
- Pressure Relief Setting: 4.2 kg/cm<sup>2</sup> to 11.3 kg/cm<sup>2</sup> (60PSI to 160PSI)
- Cracking pressure range: 0.5 to 1.5kg/cm<sup>2</sup> (7PSI to 20PSI).
- Spring available as per high pressure and low pressure range settings.
- Tempered spring with power coated paint for long life.
- Stainless Steel Shaft for durability and consistent performance over years.
- **Standard Factory Set Pressure: 5.5 kg/cm<sup>2</sup> (80PSI)**
- Optional Aluminum Cover With drain port connection 2" BSP/NPT Female threaded

Pressure Relief Valve Performance Graph



Part No.	Part Name	Quantity
1	Body	1
2	Rubber+Teflon Gasket	1
3	Cover with plastic Bush	1
4	Gasket Retainer with Screw	1
5	Plastic Bush O-ring	2
6	Spring	1
7	Spring Retainer	1
8	Nut	2
9	Stainless steel Shaft	1
10	Washer	1
11	1/4" NPT End Plug	1



### NOTES:

1. Graphs represent actual test results of pressure relief valves that were at Center for irrigation Technology, Fresno State University Fresno, California.
2. Performance of individual valves may vary 2-3 P.S.I. from that shown due to spring variations.
3. Pressure relief valves, meet the requirements specified in SCS specification 430-EE dated April 1982 & 430-DD dated April 1982