

## Pressure Relief Valve Up to 200PSI.

Product number 30277633



**⚠ WARNING**

**Read this instruction manual before use.**

Using this device without understanding this product's operation and care may lead to injury. If you do not understand how to use this device and do not receive proper training, do not use this product.



# 1.0 WARRANTY

43 Summer St.  
South Walpole, MA 02071  
Tel (508)-850-5260  
Fax (508)-850-5262

[www.awg-fire.com](http://www.awg-fire.com)

- AWG Fittings LLC warrants to the original purchaser and all subsequent purchasers of the AWG Fittings LLC products that the product is free from defects in material and workmanship during a one (1) year period from the date of its sale by AWG Fittings LLC.
- AWG Fittings LLC's obligation under this warranty is specifically limited to replacing or repairing any product which is determined by AWG Fittings LLC's inspection to be in a defective condition attributed to AWG Fittings LLC's manufacture or design. If AWG Fittings LLC determines the product is defective, then AWG Fittings LLC will repair or replace the product during the warranty period. The purchaser or beneficiary must notify AWG Fittings LLC of any alleged defect within a reasonable time period.
- If AWG Fittings LLC determines that the product is defective, then it will replace the product, repair the product or refund the purchase price, at AWG Fittings LLC's election.
- This warranty is a LIMITED WARRANTY. The original purchaser of the product and any subsequent purchaser of the product and any person who is an intended or unintended beneficiary of the product shall not be entitled to recover from AWG Fittings LLC and consequential or incidental damages for injury to person and/or property resulting from any defective product manufactured or assembled by AWG Fittings LLC. It is agreed that the price stated and paid for the product is in part consideration for limiting AWG Fittings LLC's liability.
- This is a limited Expressed Warranty Only. AWG Fittings LLC EXPRESSLY DISCLAIMS WITH RESPECT TO THE PRODUCT ALL IMPLIED WARRANTIES OF **MERCHANTABILITY** AND ALL IMPLIED WARRANTIES OF **FITNESS FOR A PARTICULAR PURPOSE**.
- There are NO WARRANTIES of any nature made by AWG Fittings LLC beyond that stated in this Warranty

# 2.0 Safety and Cautions

## Meaning of safety words

### DANGER

Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury

### WARNING

Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

### CAUTION

Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

## Safety and Cautions

### DANGER

This equipment is to be used by trained firefighting personnel only. Failure to obtain proper training may result in severe injury or death.

### DANGER

Do not exceed maximum operating pressure. Exceeding the maximum rated pressure for this appliance may cause malfunction, or failure resulting in severe injury or death.

### DANGER

Failure of fittings and hoses can result in injury. Use caution not to exceed hose pressures as stated in NFPA 1961 for the type of hose being used.

### DANGER

Make sure all connections are secure and complete. Failure to ensure proper connection may result in leaks or cause the devices to become disconnected under pressure resulting in injury or death.

### DANGER

Open and close all valves slowly. Failure to operate valves slowly may cause water hammer, which may result in damage or failure of hose, coupling devices, and appliances leading to injury or death.

### WARNING

Do not use if damaged. Damage to product may cause malfunction or failure. Remove from service until unit can be repaired.

### WARNING

Check for damage or worn coupling connections. Damaged or worn connections may become disconnected under pressure. Remove from service to be repaired by an AWG certified repair facility.

### CAUTION

For use with fresh or salt water, with or without firefighting foam.

### WARNING

Altering of this device may reduce its operating effectiveness, or safety. Do not alter or change in any way from its intended design.

# 3.0 Overview

## Dimensions:

Height: 4.3 in (110 mm)  
Length: 6.29 in (160 mm)  
Depth: 4.25 in (108 mm)  
Weight: 3.5 lbs (1.6 kg)

## Construction:

Aluminum body and  
anodized aluminum piston.

## Operating pressures:

Adjustable from 100, 150, 200 PSI (7, 10, 14 bar)

## Friction loss:

Not calculated for this  
device.

# 4.0 Operation

## Setting the PRV.

**⚠ WARNING**

Incorrectly setting the pressure relief valve may result in the valve opening too soon and creating inadequate water flow or too late resulting in over pressurizing the hose line or appliance. Be sure to test your setting before placing the unit in service.

**⚠ DANGER**

If the relief valve operates continually, fails to operate or water leaks slowly through the relief valve during use, remove from service until valve can be cleaned, repaired, and the pressure reset.

**⚠ DANGER**

Inspect for damage or malfunctioning parts. If appliance is damaged or not functioning remove from service until repairs can be made.

**⚠ WARNING**

Altering of this device may reduce its operating effectiveness or safety. Do not alter or change in any way from its intended design

# 4.0 Operation

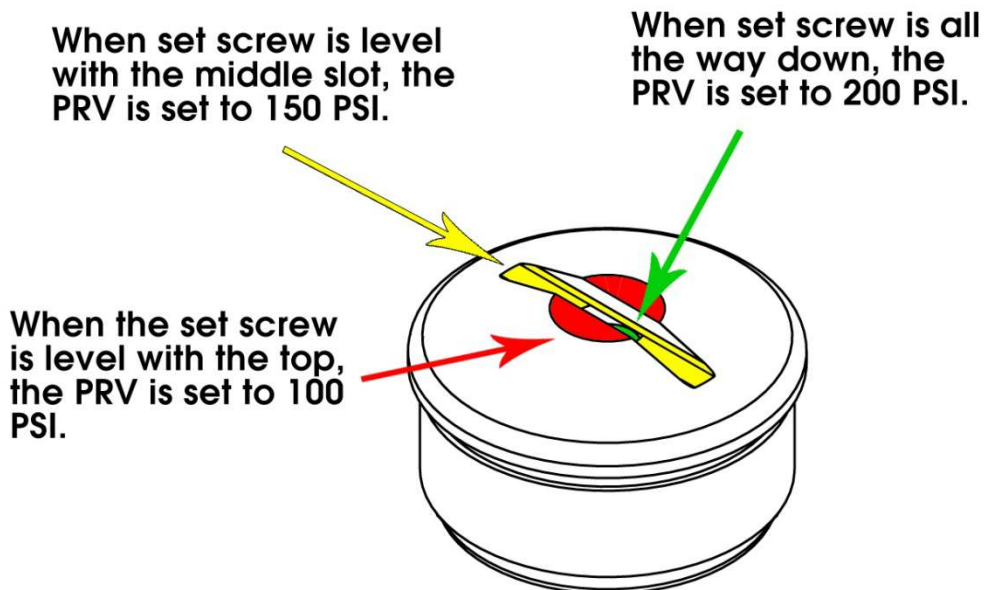
This relief valve has one (1) center adjustment screw for setting the pressure for the relief valve.

The relief valve has 3 settings, 100 PSI, 150 PSI, and 200 PSI.

When the adjustment screw is set flush with the top cover, the highest vertical setting, the relief valve is set to open at 100 PSI.

When the adjustment screw is set in its middle position, the top of the screw will be flush with the height of the slot cut in the top cover. The relief valve will be set to open at 150 PSI.

When the adjustment screw is set all the way down to its lowest vertical position, where the screw will not go any lower, the relief valve will be set to 200 PSI



# 5.0 Care and Maintenance

**⚠ WARNING**

Keep pressure relief valve clear of obstructions. This may cause the relief valve to operate prematurely or fail to operate.

**⚠ WARNING**

If relief valve appears to be damaged remove the appliance it is installed to from service until the relief valve can be repaired or replaced.

**⚠ DANGER**

The relief valve has no field serviceable parts. Never try to repair this valve unless you are a certified repair person. Improper repair could result in serious injury and or death.

**⚠ WARNING**

All working parts are contained inside the body of the relief valve. The port opening on the relief valve body should be kept clear of dirt and debris.

The relief valve should be exercised every six months to keep the internal components clean and to make sure all parts are working properly.

Adjust the set screw to the lowest available setting, 100 PSI. Attach a water supply line to the appliance the valve is attached to and slowly fill the supply line with water and bleed off any trapped air.

**⚠ WARNING**

Keep personnel clear of the valve and slowly increase the pressure to 100 PSI. The relief valve should open and discharge water from the PRV when set pressure is reached.

**⚠ WARNING**

If water is not flowing from the relief valve, slowly increase the pressure to 110 PSI. Check for water flow from the relief valve. The relief valve should open and discharge water from the PRV.

Allow water to flow freely from the valve to remove dirt and debris.

**⚠ WARNING**

If no water is flowing from the relief valve, the relief valve will need service at an AWG Fittings, LLC facility.

## 5.0 Care and Maintenance

**⚠ WARNING**

If the relief valve operated properly at the low pressure setting, test again to the high pressure setting.

**⚠ WARNING**

Adjust the set screw to the highest available setting, 200 PSI. Attach a water supply line to the appliance the valve is attached to and slowly fill the supply line with water and bleed off any trapped air.

**⚠ DANGER**

Keep personnel clear of the valve and slowly increase the pressure to 200 PSI. Check for water flow from the relief valve. The relief valve should open and discharge water from the PRV.

**⚠ WARNING**

If water is not flowing from the relief valve, slowly increase the pressure to 210 PSI. Check for water flow from the relief valve. The relief valve should open and discharge water from the PRV.

Allow water to flow freely from the valve to remove dirt and debris.

**⚠ WARNING**

If no water is flowing from the relief valve, the relief valve will need service at an AWG Fittings, LLC facility.

**⚠ WARNING**

After exercising the relief valve, shut down the water supply. Reset the relief valve to the desired setting and test the setting to make sure it was reset correctly.

**⚠ WARNING**

If the relief valve fails to open when pressure rises above the set level the relief valve should be returned to AWG Fittings, LLC for service.