



AWG Fittings LLC

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Super Flow 2 Way Ball Valve Product Number 10049201

⚠ WARNING

Read this instruction manual before use.

Using this device without understanding this products' 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

- 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

1.0 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. Damage 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 fire fighting 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.

2.0 Overview

Style	AWG Product number	Length*	Height*	Width*	Weight*
5 inch x 2-5in storz	10049201				40.5lbs(18.4kg)

* w/o adapters

Operating Pressures:

Normal operating pressure to 250 PSI
 Tested burst pressure per hydrostatic test
 NFPA 1965

Construction:

Aluminum body with anodized
 aluminum ball valves.

Friction Loss: Several different configurations and valve discharge use may effect to actual friction loss created in the field. The fire department should evaluate actual friction loss during training.

2.0 Overview

⚠ WARNING

This Ball Valve also has a pressure relief valve to automatically release excess pressure in the hose line. This relief valve must be set prior to use. Excess pressure in the hose line may cause failure of the hose leading to injury.

⚠ CAUTION

Dirt or debris in the relief valve may prevent the relief valve from operating or closing which may cause the relief valve to operate prematurely with subsequent loss of pressure.

To properly set the pressure at which the relief valve will operate please see the operating supplement included for the relief valve.

⚠ 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

The relief valve when operating will discharge water at high pressure. Caution must be used to keep all persons away from the relief valve discharge.

⚠ WARNING

This appliance has “Motion Control” blocks on each ball control lever to prevent the sudden opening or closing of the ball valves to aid in preventing water hammer. Only slow opening and closing is possible, no less than 3 seconds, to fully open and close the valve.

⚠ WARNING

Opening and closing too quickly will result in the block stopping the motion of the valve. To undo the block the valve must be operated opposite of the original motion slightly to release the lock, then continue slowly back in the original motion.

For example: If the operator opens the valve too quickly and engages the motion lock. The operator must slightly close the valve before continuing to open the valve. Trying to force the control lever past the lock will only delay opening the valve and provide water where it is needed.

3.0 Operation

Using the appliance:

⚠ WARNING

Inspect all parts prior to and after use to ensure proper function and operator safety.

Check for damaged or worn coupling connections. Damaged or worn connections may become disconnected under pressure. Remove from service and repair appropriate parts.

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

⚠ DANGER

Make all connections with proper hose lines and couplings.

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.

Ensure all valves are in the closed position.

⚠ DANGER

Slowly fill supply lines with water.

Slowly open valves to bleed off trapped air and fill the hoses line with water. There should be a minimum of 3 seconds to fully open the valve.

Open and close valves with your hands only. DO NOT use tools to assist in operating the valves.

⚠ WARNING

Always open and close valves fully and do not regulate water flow or pressure with the ball valves.

Slowly increase pressure in hose to desired operating pressure and desired water flow rates. Normal operating pressures are from 150 to 200 PSI.

Foam may be used with this appliance. Be sure to flush completely with fresh water after use. Some foam concentrates may leave residue that may cause corrosion or become sticky and interfere with the operation of the gate valve or PRV device and shorten the service life of this appliance.

4.0 Care and Maintenance

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Salt water may be used with this appliance. Make sure to flush with large amounts of fresh water after use with salt water. Salt water may shorten the service life of this appliance due to corrosion.

⚠ WARNING

After use, shut down water to appliance, bleed off any excess pressure in the hose lines before you attempt to disconnect any hose or apparatus and disconnect and drain hose lines. Disconnect and drain all hose lines, drain and inspect the appliance for damage. If any components are damaged or malfunctioning, remove from service until appliance can be repaired. Valve should be repaired by AWG certified repair facility.

Cleaning and Maintenance:

⚠ 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, at an AWG repair facility and the pressure can be reset.

⚠ DANGER

If motion control locks fail to release, or does not engage, remove from service until control locks can be repaired by an AWG certified repair technician.

⚠ WARNING

Flush with fresh clean water after use to remove any dirt and debris. This is especially important if any firefighting foam, or salt water has been used in this appliance.

Check on your normal maintenance routine.

Check all screws and bolts to ensure proper tightness.

Check gaskets and swivels to ensure proper operation. Replace and/or repair any damaged or malfunctioning parts.

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

Check for damaged or worn coupling connections. Damaged or worn connections may become disconnected under pressure. Remove from service and repair appropriate parts.

⚠ DANGER

On any appliance with a non-threaded coupling, (i.e. Storz) check the locking device on coupling for damage and ensure proper operation. It should be clean, clear and free of damage. If the locking device is malfunctioning, repair or replace the lock.

4.0 Care and Maintenance



Lubricate as necessary with an AWG recommended lubricant. AWG lubricant is water resistant and does not contain mineral oil, solvents or silicone.

Using a lubricant other than the recommended lubricants may cause the O-rings to swell or degrade faster than expected.

Do not use excessive amounts of lubricant, over lubricating may cause dirt to collect inside the valve.

Use only recommended lubricant, improper lubricants may cause premature failure of O-rings and seals.

Apply lubricant to the following points to ensure smooth operation:

With the valves closed, lightly lubricate along the seam where the ball inside the valve contacts the body of the valve.

Open and close valve several times to ensure smooth operation and spread lubricant along the face of the ball valve.