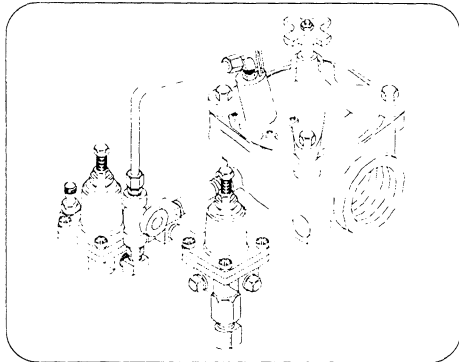


# VALVE MODEL #2265

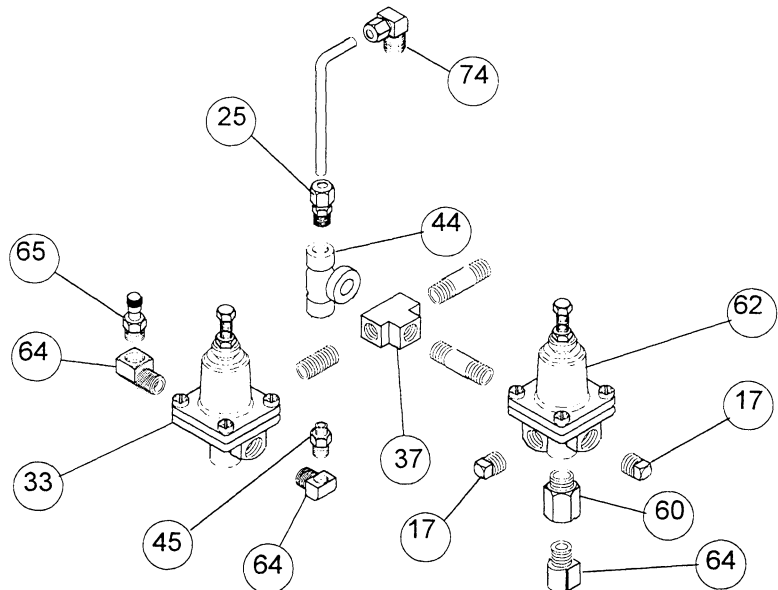
## NORMALLY OPEN PRESSURE REDUCING AND SURGE ANTICIPATION VALVE

October, 1993



MODEL # 2265

For this valve use a basic 2160  
and these parts



### INSTALLATION AND MAINTENANCE

- 1 Inlet pipe plug installed for straight pattern installation, for angle installation, re-install plug
- 2 Flow direction must be as indicated on nameplate
3. Valve must have minimum inlet pressure of 2 PSI (5 feet) If lower inlet pressure is required, consult factory
- 4 Valve can be installed in any position
- 5 Valve can be repaired without removing valve body from system
- 6 To adjust downstream pressure adjust screw on regulator, part #33 To increase pressure turn adjustment screw clockwise To decrease pressure turn adjustment screw counter clockwise
7. To adjust surge sensing regulator, part #62, adjust screw Set pressure 10 PSI higher than regulating pressure in step #6
- 8 Valve can be closed manually with manual on-off pilot
- 9 No normal maintenance is required

### TROUBLE SHOOTING

PROBLEM	PROBABLE CAUSE	CORRECTION
1 Downstream pressure too low	Installed backwards	Check flow arrow
	Lack of operating pressure	Make sure inlet is 2 PSI minimum
	Manual flow adjustment stem fully closed	Open stem
	External obstruction in line, such as closed gate valve, etc	Check other system elements
	Internal foreign matter	Remove cover, clean valve thoroughly
2 Downstream pressure too high	Restriction in copper tube, such as ends not de-burred or bend in tube	Repair problem
	If after long satisfactory service, check diaphragm assy wear	Eliminate other causes then replace assy
	Ruptured diaphragm	Replace diaphragm
	Internal foreign matter	Remove cover, clean valve thoroughly
	Cover spring left out	Add cover spring
	Leak in control line	Check for leaks and repair

**GRISWOLD  
CONTROLS**

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F-2764A

## MODEL 2265

The Griswold Model 2265 valve consists of (1) a normally open solenoid control pilot, (2) a main valve, (3) a pressure regulating pilot, (4) a surge anticipation pilot, (5) a manual on-off pilot, and (6) a Schraeder valve to allow for downstream pressure measurement,

The 2265 valve is a normally open solenoid valve. With its manual on-off pilot in the open position, the main valve remains open and supplies a constant downstream pressure with fluctuating or excessive upstream pressure. Desired downstream pressure may be set anywhere from 5 to 125 PSI. When downstream pressure attempts to raise above a pre-set limit, caused by abrupt closure of downstream valves, its surge anticipation pilot will relieve the excess pressure to atmosphere.

The 2265 valve can be shut off by energizing the solenoid or by turning off (clockwise) its manual on-off pilot valve.

### REQUIRED TOOLS TO SET THE VALVE:

- 1 Adjustable or 1/2" open, box or socket wrench
- 2 0-1 50 psi gauge equipped with quick-connect fitting for attachment to tire type (Schraeder) valve

### TO SET THE VALVE:

- 1 Remove the cap from the Schraeder valve
- 2 Attach the gauge kit to the Schraeder valve
- 3 Make sure that the manual on-off pilot is wide open by turning its handle counter-clockwise all the way. Make sure no power is to solenoid
- 4 Open a valve downstream of the 2265 valve to allow water to flow. If no flow occurs check for valves shut off upstream
- 5 With water flowing through the valve, turn the adjusting screw on the regulating pilot until desired pressure is observed on the gauge. Turning the adjusting screw "In" (clockwise) increases downstream pressure; "out" (counter-clockwise) decreases pressure.

**NOTE:** If turning the adjusting stem clockwise does not increase downstream pressure, upstream pressure may be too low. Check upstream pressure under flowing condition.

- 6 Stop flow by closing the valve downstream of the 2265 valve.
- 7 Slowly turn the adjusting screw on the surge anticipation pilot counter-clockwise until water drips from the opening underneath the surge anticipation pilot. Now turn the adjusting screw clockwise 4 turns.

**NOTE:** Ideally, the surge pilot should be set 15-20 PSI higher than the regulated pressure. Setting the surge control pressure too close to the regulated pressure may cause excessive discharge to atmosphere. To verify surge pressure setting, open and close a valve downstream. The gauge reading under no flow (static) condition is the surge pilot's setting.

- 8 Disconnect the gauge kit; replace the Schraeder cap. The 2265 valve is now set for normal operation.

