



## BACKFLOW PREVENTION

### 3 STEP TROUBLESHOOTING RP GUIDE

Reduced Pressure Principle

IF THE RELIEF VALVE IS DISCHARGING,  
IT IS DOING ITS JOB.

**If discharge is intermittent, it is  
most likely pressure fluctuations.**

Address the cause of line pressure  
spikes, which can be either supply  
or down stream occurrences.



scan to watch RP  
operation videos

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STEP  
**1**

When the RP relief valve is discharging, open a downstream valve, or the #4 testcock. If the discharge stops, most likely problem is a fouled #1 check. Close shutoffs and clean the #1 check seating surfaces.

STEP  
**2**

If relief valve discharge continues with downstream flow, most likely the relief valve is fouled. Close shutoffs and clean the RV seating surfaces.

STEP  
**3**

If the RV discharge continues, close the #2 shutoff to stop flow. If the discharge stops, a fouled 2nd check, most likely with backpressure, is the problem. Also, close the #1 shutoff and clean the #2 check seating surfaces.

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