



# IOM RAF 0G N.O.

ON/OFF N.C. Hydraulic Remote Control  
Valve w/Galit & Manual Override  
2"-12"



 **RAPHAEL**

Apr-24

## DESCRIPTION

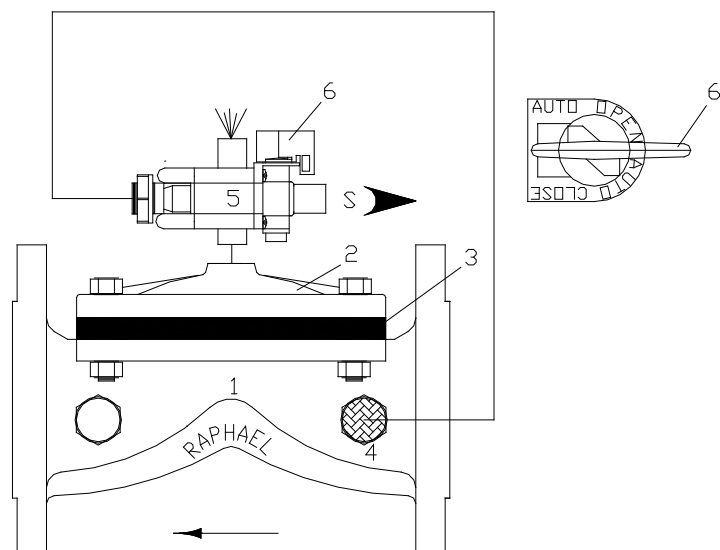
This valve is a normally opened hydraulic on/off control valve that can be operated by a hydraulic remote control (Galit) # 5, or manually, by means of the Manual Override # 6. "Normally" means the state of the valve when the hydraulic relay is not pressurized.

## INSTALLATION

- Before installing the valve, flush the pipeline to remove scale, dirt and other particles that might affect the valve's performance.
- Install the valve as indicated by the arrow on the valve's cover, showing flow direction.
- It is recommended to install isolation valves (butterfly valves type B8) upstream and downstream the control valve.
- Check for leaks; tighten bolts & fittings if necessary.

## PARTS LIST

1. Body
2. Cover
3. Diaphragm
4. Self-Flushing "Finger" Filter
5. Hydraulic Relay "Galit"
6. Manual Override



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## OPERATING INSTRUCTIONS

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1. To open the valve by remote control, turn Manual Override (6) to the “Auto” position and de-pressurize hydraulic relay.
2. To close the valve by remote control, pressurize the hydraulic relay.
3. To manually open the valve, turn the manual override to the “Open” position.
4. To manually close the valve, turn the manual override to the “Close” position.

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## MAINTENANCE

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- No maintenance is required. It is recommended that the valve be easily accessible as well as clearly marked to prevent damage.
- In freezing climates, the valve should be dismantled, and water drained during the winter months

## TROUBLESHOOTING RAF-00 N.C.

PROBLEM	CAUSE	CHECK	SOLUTION
RAF does not open.	<ol style="list-style-type: none"> <li>1. The Manual Override (6) is in the "Close" position.</li> <li>2. Hydraulic relay (5) and connections are clogged.</li> <li>3. The hydraulic relay (5) is pressurized.</li> </ol>	<ol style="list-style-type: none"> <li>1. Check state of override selector.</li> <li>2. When activated, there is no water from the hydraulic relay's drain.</li> <li>3. Check control tubing.</li> </ol>	<ol style="list-style-type: none"> <li>1. Turn the override selector to "Open" or "Auto" position.</li> <li>2. Turn off water supply to the valve. Dismantle and clean drain connections in the valve and in the hydraulic relay.</li> <li>3. Repair control tubing. Depressurize hydraulic relay (5).</li> </ol>
RAF does not close.	<ol style="list-style-type: none"> <li>1. The hydraulic relay is de-pressurized.</li> <li>2. The Manual Override (6) is in the "Open" position.</li> <li>3. Foreign object on sealing seat.</li> <li>4. Blocked self-flushing filter (4).</li> </ol>	<ol style="list-style-type: none"> <li>1. Disconnect control tubing from hydraulic relay.</li> <li>2. Check state of the override.</li> <li>3. Some water is still flowing downstream of the valve.</li> </ol>	<ol style="list-style-type: none"> <li>1. Pressurize hydraulic relay (5).</li> <li>2. Turn selector to "Auto" or "Close" position.</li> <li>3. Turn off water supply to the valve. Disassemble the cover and the diaphragm and remove the foreign object. Check that diaphragm, body and cover are not damaged. Reassemble and activate.</li> <li>4. Turn off water supply to the valve. Remove the filter and clean or change it. Reassemble and activate.</li> </ol>