

# OPERATION AND MAINTENANCE

## MODEL 955 CHECK VALVE

The model 955 check valve permits flow in one direction only thus eliminating the possibility of back flow. It is suitable for any noncorrosive gas or liquid flow. The simple reliable design uses O ring seals to insure bubble tight sealing even with very low back pressures. It can be used as a direct replacement for our model 594, 1/4" check valve and offers higher flow capacity. To permit use in a variety of systems the flow direction can be reversed by reversing the poppet and spring as shown in the drawings below. Flow is from the male thread end to the female end unless the opposite direction is requested. Flow direction as assembled is shown on the label.

### SPECIFICATIONS

- Maximum rated press. 6000 PSI
- Maximum back press. 6000 PSI
- Opening press. 5 to 10 PSI
  
- Flow capacity Cv = 0.21  
(.15" orifice)
- Materials seals Viton  
body aluminum  
internals brass,  
stainless
- Ports 1/4" MNPT  
1/4" FMPT
- Size 1.0" dia. hex  
2.4" long

### INSTALLATION

Observe the flow direction noted on the label. The standard valve flows from male to female thread unless special ordered. Flow can be reversed by disassembling and reversing the position of the poppet and spring as shown below. Use a suitable pipe thread sealant such as teflon tape on inlet and outlet threads. Avoid over torquing pipe thread. Normal torque applied with a 6 or 8 inch long wrench is ample. Use ample teflon tape - 3 or 4 turns, not 1 or 2 turns. The regulator is NOT shipped oxygen clean and should NOT be used for oxygen service as provided. Consult the factory for details on oxygen service.

### MAINTANENCE

No routine maintenance is required. Should the valve become leaky seal replacement is required. In this case the valve should only be disassembled and reassembled by qualified valve repair person following the drawing and notes herein. If time allows or a spare is available it is recommended the valve be returned to the factory for repairs.

### PARTS LIST

ITEM	QTY	PART NO.	DISC.
1	1	959	body
2	1	960	cap
3	1	961	poppet
4	1	955-4	seal 2-014-75V
5	1	955-5	seal 2-009-90V
6	1	955-6	spring
7	1	955-7	label
8	1	955-8	REPAIR KIT - items 3,4,5,6,7

### NOTES;

1. Technical bulletin - 598a  
Operation & Maint. - 957
2. Use Dow grease #111 on threads and seal item 4. Do not lubricate seal item 5.
3. To assemble, install seal 5 on poppet 3. Drop poppet 3 into housing 1. Place seal 4 on cap 2. Drop spring 6 into poppet 3 as shown. Screw cap 2 onto body 1. Torque to 5 to 10 ft lbs. NOTE - Spring 6 need not be accurately aligned with cap 2 on assemble. The spring will self center on first opening of the check valve during service.
4. Model 955 flows from male end to female end. Model 955R flows from female end to male end.
5. Flow can be reversed by reversing poppet and spring.

