OPERATION AND MAINTENANCE - MODEL 955 CHECK VALVE - GMC #46225

THESE PRODUCTS ARE NOT SUITABLE FOR OXYGEN

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

INSTALLATION

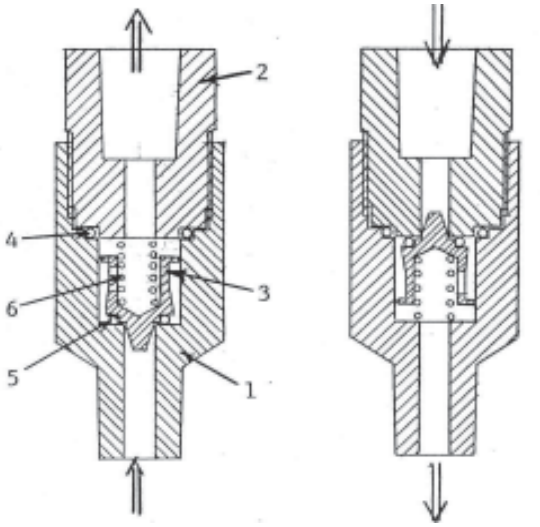
Observe the flow direction noted on the label. The standard valve flows from male to female thread unless special ordered. Flow can be reversed by disassembling and reversing the position of the poppet and spring as shown below. Use a suitable pipe thread sealant on the inlet and outlet pipe threads.

MAINTANENCE

No routine maintenance is required. Should the valve become leaky seal replacement is required. In this case the valve can 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	OTY	PART NO.	DESCRIPTION
1	1	959	body
2	1	960	cap
3	1	961	poppet
4	1	955-4	seal 2-014
5	1	955-5	seal 2-009
6	1	955-6	spring



NOTES

1. Technical bulletin - 598 & 956
2. Use Dow grease #111 on threads
3. To assemble, install seal 5 on poppet 3. Drop poppet 3 and spring 6 into housing 1 positioned as shown for the desired flow direction. Place seal 4 on cap 2. 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.

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