



RELIEF VALVE INSTRUCTION MANUAL



Standard Models:

RV 1000
RV 1000-LP
RV 1000-HP

RV 1001
RV 1001-LP
RV 1001-HP

RV 2000
RV 2000-LP

RV 2001
RV 2001-LP

Relief Valve Instructions: (Refer to diagram on page 3.)

Your new **Liquiflo Relief Valve** is maintenance free.

The only adjustment on the valve is the resetting of the relieving point. This is done by loosening the lock nut (2) and rotating the large cap (1). (Turn cap COUNTERCLOCKWISE for lower relief setting; turn CLOCKWISE for higher relief setting.)

If, for any reason, the valve must be disassembled, this can easily be done by loosening the lock nut (2) and unscrewing the adjusting cap (1). Remove the safety pin (7) and pull out the internal spring cap (8). This exposes the spring (4) and valve pin (5) assembly.

For reassembly, simply reverse the above action. (Push in the internal spring cap with spring and valve pin, replace the safety pin, etc.)

CAUTION:

ALWAYS MAKE SURE THERE IS NO PRESSURE IN THE SYSTEM BEFORE DISASSEMBLING THE VALVE. IT IS BEST TO REMOVE THE VALVE FROM THE SYSTEM.

Always flush the system before disassembling to eliminate the chance of getting harmful materials on the skin or in the eyes.

Standard Available Models:

Liquiflo manufactures 2 sizes of relief valves in both 316 SS and Alloy-C. 10 standard Liquiflo Relief Valve models are available, based on the body material, the port size and the pressure setting range (see table below). Models RV1000, RV1001, RV2000 and RV2001 are factory preset to discharge at 100 PSI (7 bar) unless a different pressure setting was requested when ordering; other models are preset to the pressure setting specified when ordering. For any further information, please consult the factory.

LIQUIFLO Standard Relief Valves

Model #	Material	Port Size & Type	Pressure Setting (PSI)		Approximate Flow @ 25% above Pressure Setting	
			Min	Max	USGPM	LPM
RV1000-LP	316 SS	½" NPT	25	65	7.5	28
RV1000	316 SS	½" NPT	50	135	7.5	28
RV1000-HP	316 SS	½" NPT	75	200	7.5	28
RV1001-LP	Alloy-C	½" NPT	25	65	7.5	28
RV1001	Alloy-C	½" NPT	50	135	7.5	28
RV1001-HP	Alloy-C	½" NPT	75	200	7.5	28
RV2000-LP	316 SS	1" NPT	25	75	25	95
RV2000	316 SS	1" NPT	50	175	25	95
RV2001-LP	Alloy-C	1" NPT	25	75	25	95
RV2001	Alloy-C	1" NPT	50	175	25	95

LP = Low Pressure **HP** = High Pressure

Liquiflo Relief Valve Cross-Sectional Diagram

