

HPV 152 ADJUSTABLE PRESSURE RELIEF VALVE OPERATING INSTRUCTIONS

INTRODUCTION

Hi-Force control valves are designed to provide precise control of the hydraulic system either by accurate pressure or directional flow control.

Your HPV 152 Adjustable pressure relief valve is designed to limit pressure developed by the pump in the hydraulic system. Thus limiting the load placed on other components in the system.

Always specify Hi-Force control valves for use with your Hi-Force hydraulic tool.

SAFETY NOTES

Sufficient time should be allocated to planning your hydraulic system. Making sure that all system components are adequate for the intended operation.

Always check system components regarding load capacities, pressure ranges and setup requirements.

Ensure that any Hi-Force hydraulic hoses are correctly fitted to the HPV 152 manual check valve.

Always wear suitable personal protection when operating hydraulic equipment.

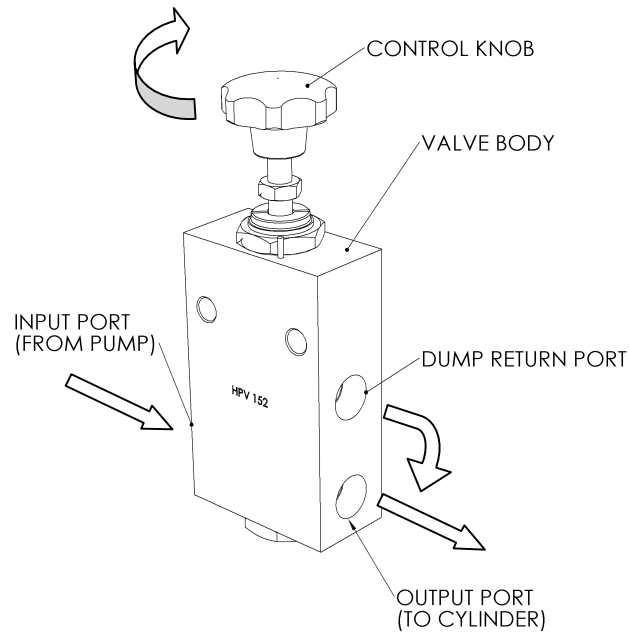
Always use a pressure gauge to monitor system pressure.

CAUTION: READ ALL WARNING, CAUTION AND INSTRUCTIONS INCLUDED WITH ALL SYSTEM COMPONENTS.

RELIEF VALVE SETUP AND OPERATION

1. Wrap threads with PTFE tape to ensure connections are fully tightened before use. Connect valve between pump and cylinder. Ensure that the dump return line is fed back to the tank using the low pressure hose provided, otherwise the valve may dump to atmosphere.
For initial setup wind control knob fully clockwise until knob cannot be turned any more. This will set pressure to the 700 BAR max. See Figure 1.

FIGURE 1



2. Unwind knob anti-clockwise approximately 3- 4 turns. This will give a low pressure starting point to monitor the pressure going through your HPV 152 pressure relief valve.
3. Start pump and increase pressure gradually by turning the control knob clockwise. See figure 2.

FIGURE 2.

