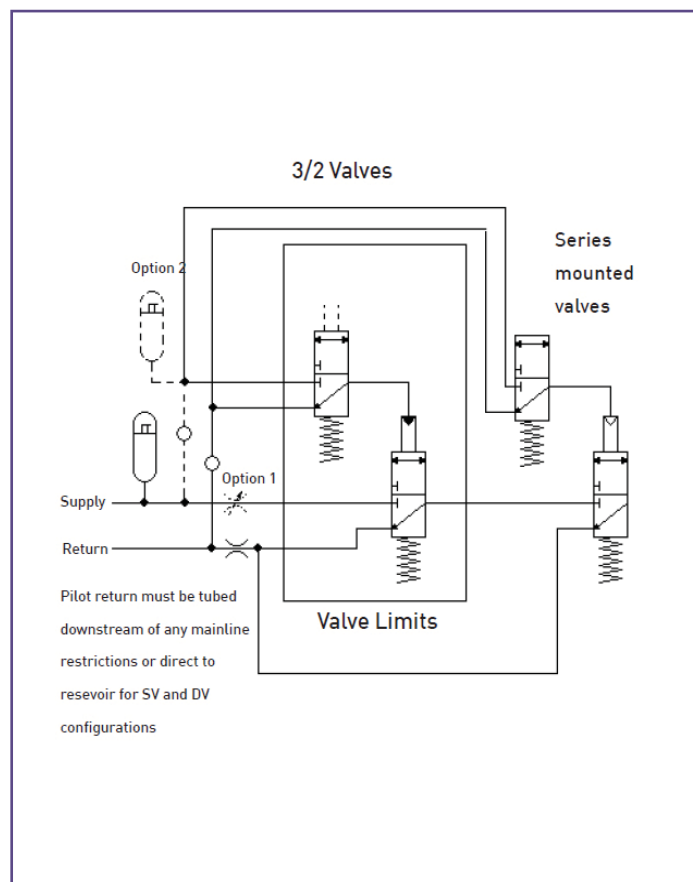


FP50, FP100, FP200

Installation & Flow Performance

Two Stage Installation



In some situations due to cross flow leakage the system pressure local to the valve may fall below the required minimum operating pressure. This will result in the main stage valve stalling in the mid position. To eliminate the possibility of this problem occurring we offer three alternative solutions.

Option 1

Install a variable orifice in the supply line downstream of the pilot take-off. Note: This should be sized and set to maintain sufficient pilot pressure when the valve changes position.

Option 2

Install an accumulator and non-return valve. This option must be applied when an accumulated supply is not used (Preferred option).

Option 3

Connect the pilot supply to a point in the system which is not influenced by the operation of the control valve.

Notes:

For 4 way, 2 position two stage valves, the above 3/2 installation requirements apply. For 4 way, 3 position two stage valves, refer to series mounted valve installation details.

At no time during operation of the valve to the piloted position should the supply pressure be allowed to fall below the minimum pilot pressure quoted for the operator fitted. Refer to ordering code, operator SH'X'.

Flow Performance