

Steering Units with Integral Valves

Integral valves are available for the Char-Lynn steering control unit. Included are: Inlet Relief Valve, Cylinder Port Shock Valves, LS-Relief Valve, and Anti-Cavitation Valves for cylinder ports. In addition, a Manual Steering Check Valve for limited manual steering is included. The integral valves eliminate the need for a separate valve block, and provides versatility to meet any steering circuit standard.

Valve Description:

1. **Anti-cavitation check valve for cylinder ports**—(R & L) protects steering circuit against vacuum (cavitation) conditions.
2. **Cylinder Port Relief Valves**—(R & L) protects hoses against pressure surge created by ground forces on the steered axle.
3. **Manual Steering Check Valve**—converts unit to a hand operated pump for limited manual steering. Included in all units except Series 20, 25, and 40.**
4. **Inlet Relief Valve**—limits maximum pressure drop across the steering unit protecting the steering circuit.
5. **Inlet Check Valve**—prevents oil from returning through the steering unit when pressure on the cylinder side is greater than pressure on the inlet side to prevent steering wheel kick.
6. **LS-Relief Valve**—Limits maximum pressure in the steering circuit (LS units only)

**Steering units with displacements larger than 185 cm³/r [11.3 in³/r] may require a separate power source for limited operation.

