

Accumulator Charge Valve

Principles of Operation

The single accumulator charging valve is designed for installation in an open center hydraulic system between the pump and its relief valve and downstream hydraulic devices; for example, wet disc brakes.

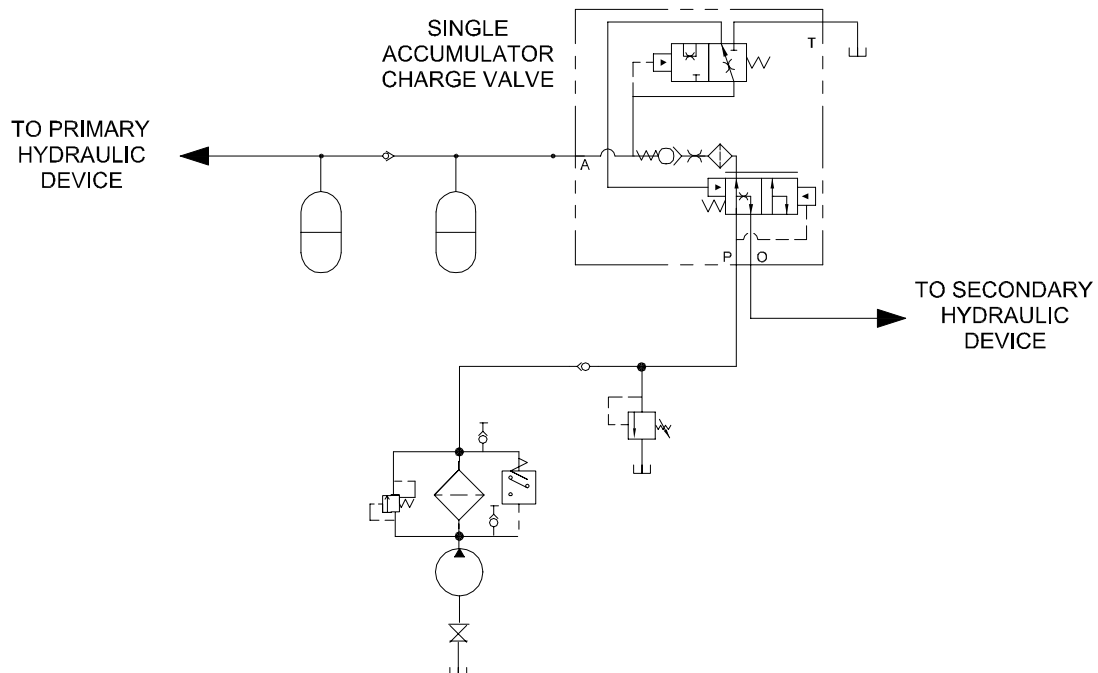
The accumulator charging valve supplies oil to the accumulator from an open center circuit on demand. This is accomplished at a constant rate (gpm) and pressure which is relatively constant within pressure limits. Flow rates and upper/lower pressure limits are factory preset. Consult the hydraulic schematic in your service manual for specific pressure settings.

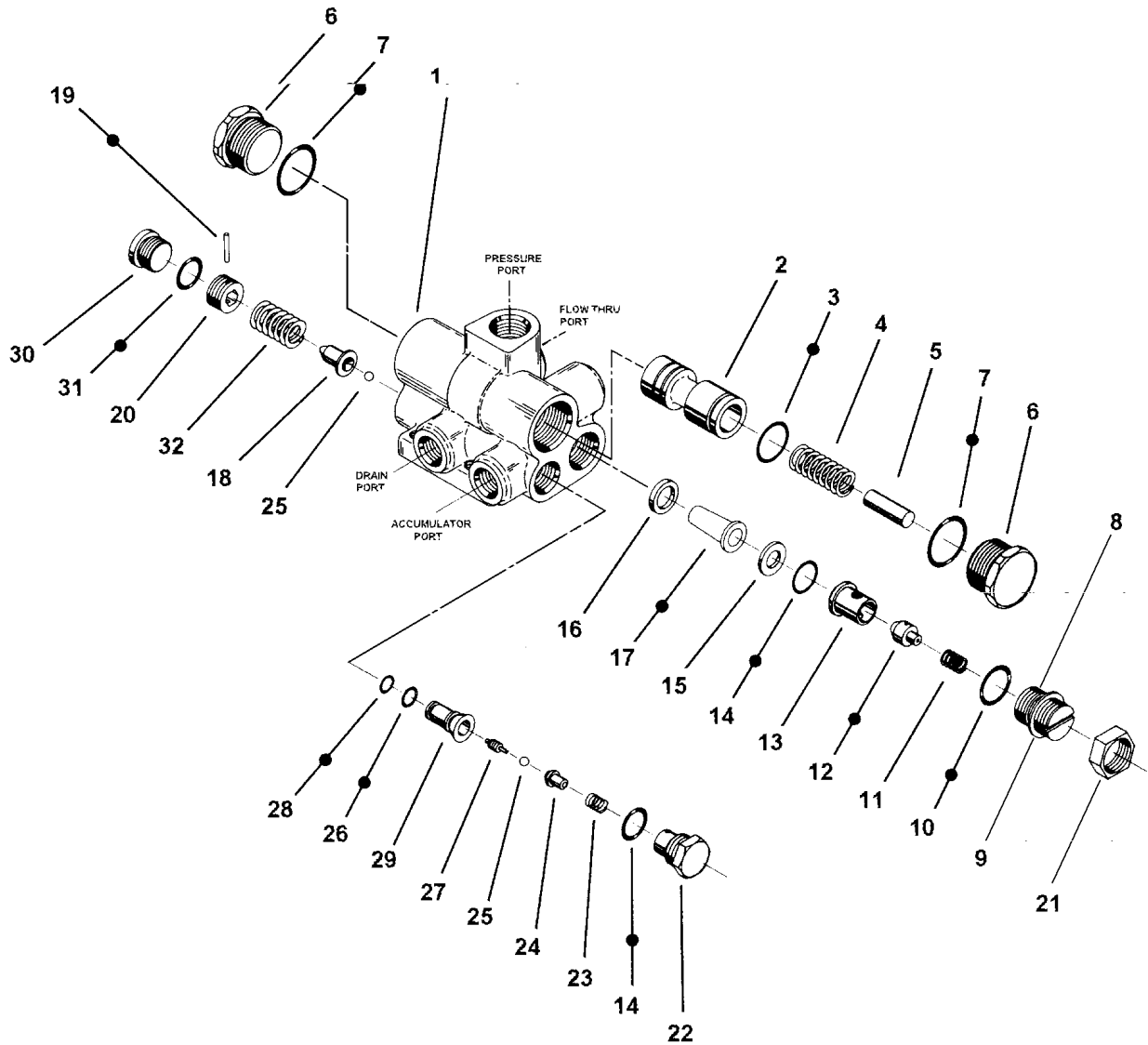
Flow to the downstream secondary hydraulic devices will be reduced fractionally for a short time when the accumulator is recharging. This does not noticeably affect the operation of these components. Full system pressure is available to the downstream secondary hydraulic devices at all times provided oil delivery and pressure from the pump and relief valve are not impeded.



WARNING

Always discharge accumulators before servicing or performing maintenance on any hydraulic system using accumulators.





Item	Qty.	Description	Item	Qty.	Description
Accumulator Charge Valve					
1	1	Housing	18	1	Retainer
2	1	Spool	19	*a	1 Plug
3	*a	1 Seal	20	1	Screw
4	1	Spring	21	1	Nut
5	1	Rod	22	1	Plug
6	2	Plug Assembly	23	1	Spring
7	*a	1 O-Ring	24	1	Stop
8	1	Screw	25	2	Ball
9	1	Washer	26	*a	1 O-Ring
10	*a	1 O-Ring	27	1	Spool
11	1	Spring	28	*a	1 O-Ring
12	*a	1 Poppet	29	1	Insert
13	1	Seat	30	1	Plug Assembly
14	*a	2 O-Ring	31	*a	1 O-Ring
15	1	Washer	32	1	Spring
16	1	Washer			
17	*a	1 Filter			
*a Included in Service Repair Kit					