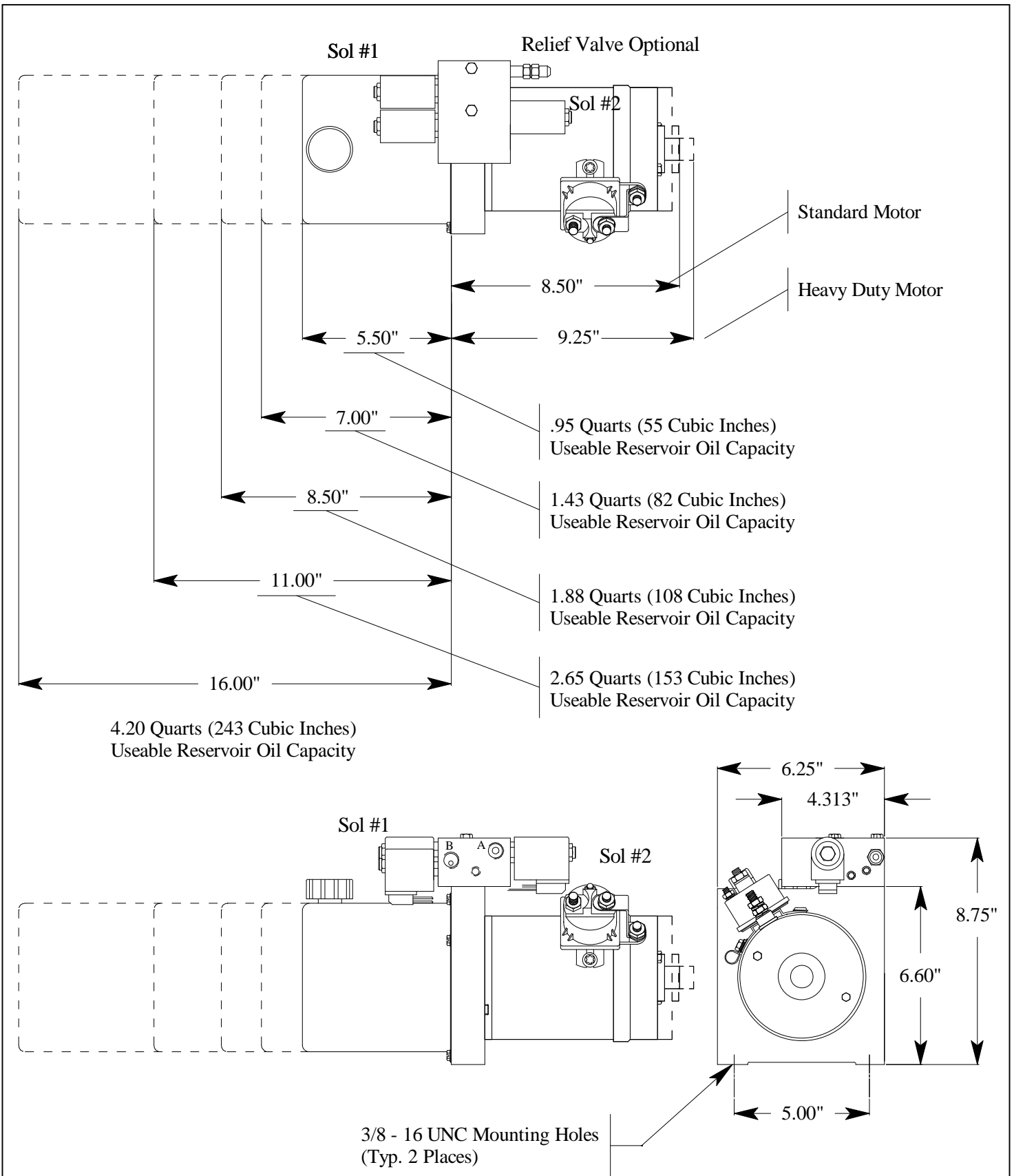


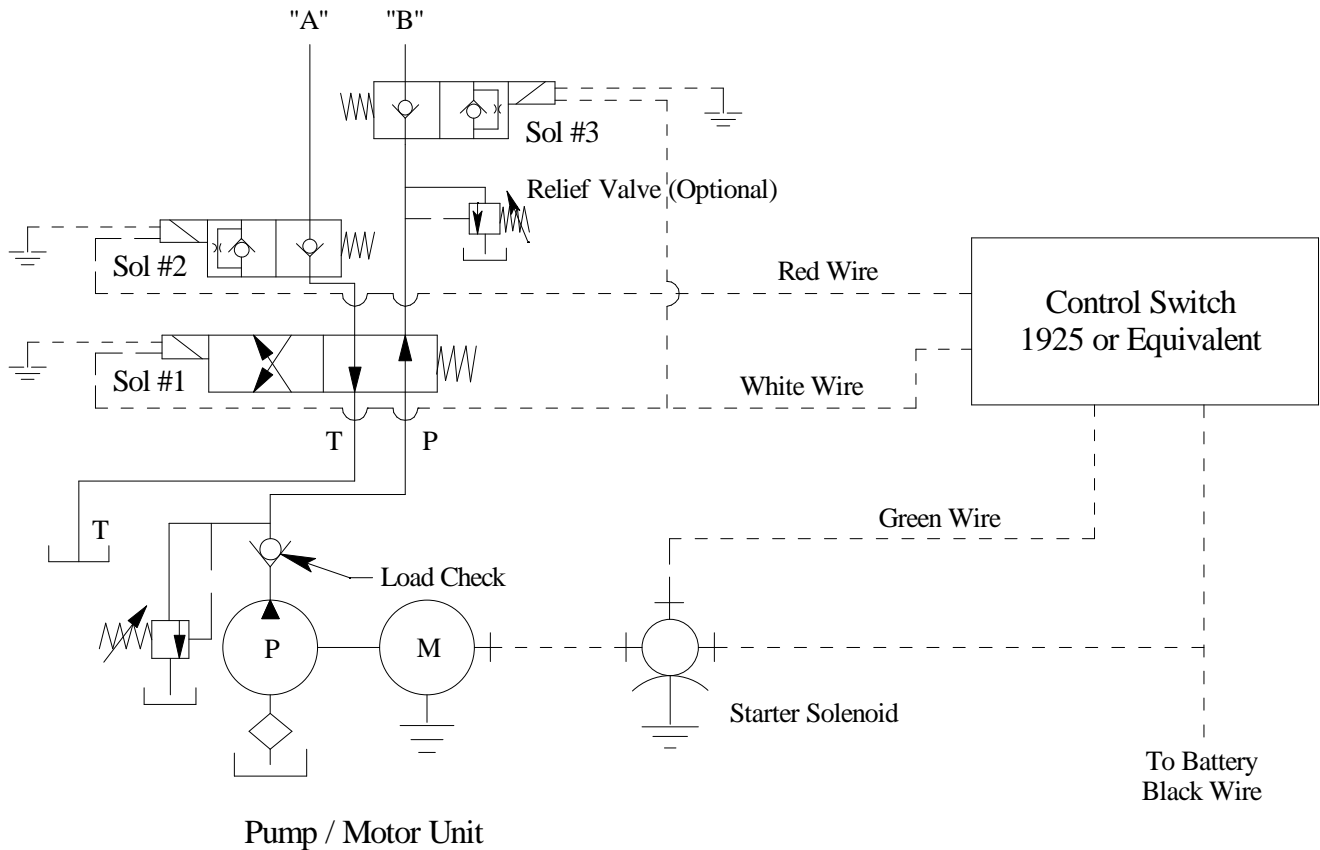
# #12 Double Acting Solenoid Valves, 4-Way / 2-Position, 2) Check Valves, 3/8" NPT Ports – DC Unit Layout



**Description :**

12 Volt DC Piston/Gear Pump Unit with one 4-Way, 2-Position Solenoid Valve and two Solenoid Operated N/C Check Valves.

# #12 Double Acting Solenoid Valves, 4-Way / 2-Position, 2) Check Valves, 3/8" NPT Ports – Schematic



## System Function

Energizing Power unit, Sol # 1, and Sol # 3, oil is directed to Port "A" and oil from Port "B" is directed back to tank ("T" Port).

Energizing Power unit and Sol # 2, oil is directed to Port "B" and oil from Port "A" is directed back to tank ("T" Port).

## Application

1. Power up / Power Down
2. Power extend / Power retract

## Valve Characteristics

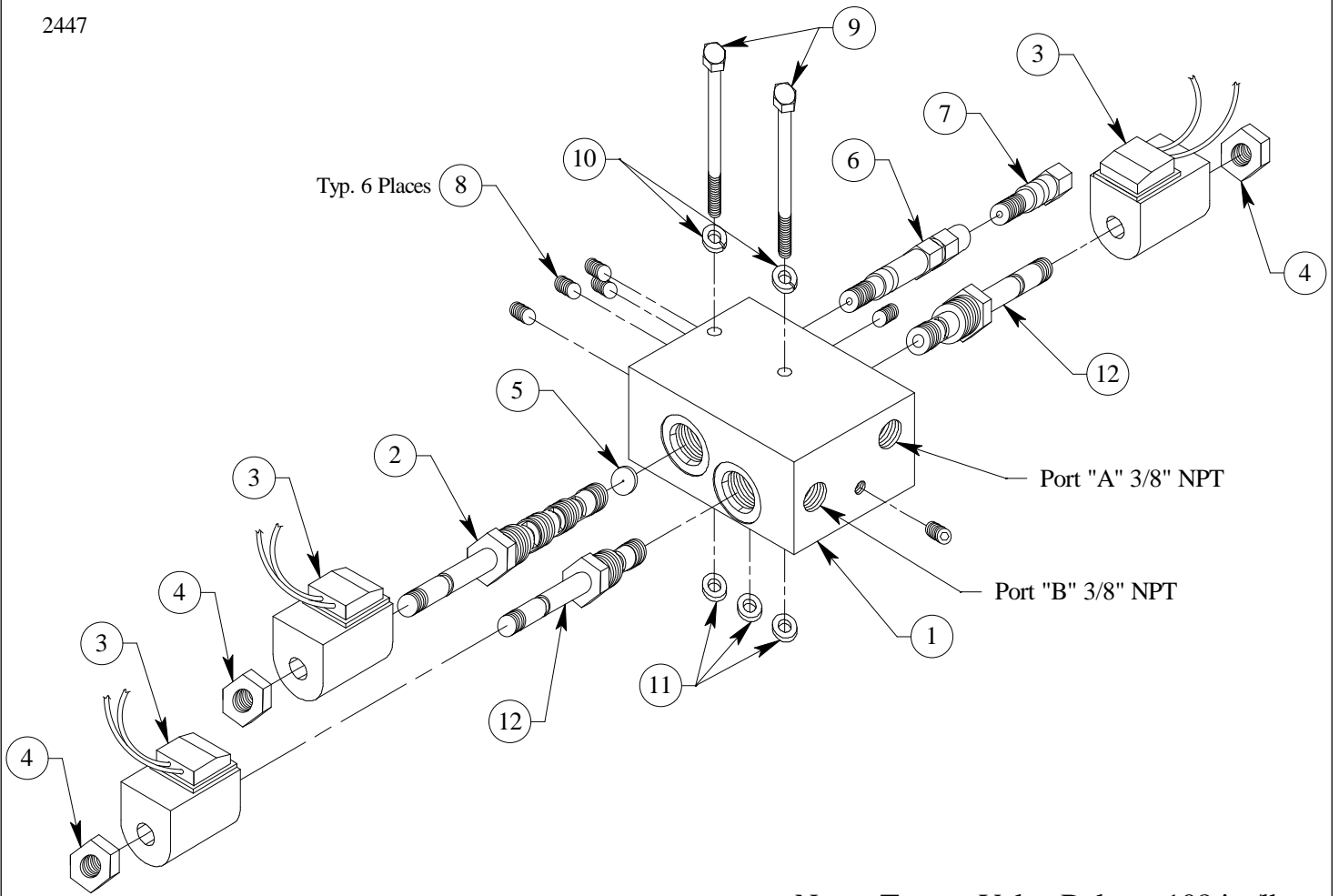
1. Uses one 4-way, 2-position spool type cartridge valve and two 2-way NC P.O. poppet type check valve, solenoid operated.
2. Aluminum manifold block machined for one 4-way, 2-position cartridge valve, two 2-way check valves and with two 3/8" NPT Ports.

## Limitations

1. When lifting and/or holding a load, use port "A".
2. If valve is used in an application in which a cylinder is to be lowered with a load on it (overriding load), it should be noted that pressure surges can occur in the load holding hose.
3. This valve is stackable from the factory up to three valves.
4. Horizontal Mounting.

# #12 Double Acting Solenoid Valves, 4-Way / 2-Position, 2) Check Valves, 3/8" NPT Ports – Assembly

2447



Note: Torque Valve Bolts to 108 in./lbs.

Drawing No.	Part No.	Quantity Req'd	Part Description
1	2497	1	Block, Solenoid Valve
2	2704	1	Cartridge Only, 4-Way, 2-Position Valve
3A	2705	3	12 Volt Coil
3B	2706	3	24 Volt Coil
3C	2708	3	110 Volt Coil
3D	2709	3	220 Volt Coil
4		3	Cartridge Valve Nut
5	2046	1	Orifice Disk, .050 Dia. (Optional)
6	1575	1	Relief Valve, Port (Optional)
7	1641	1	Plug, Relief Valve (Optional)
8	1579	6	Plug, 1/16" NPT w/Sealant
9	1937	2	Cap Screw, 1/4"-20 x 2.5" GR 8 Pltd
10	1290	2	Washer, Lock (1/4" I.D.)
11	1606	3	O - Ring, #2 - 010 Valve Seal
12	2703	2	Cartridge Only, 2-Way, 2-Position, N/C Check Valve