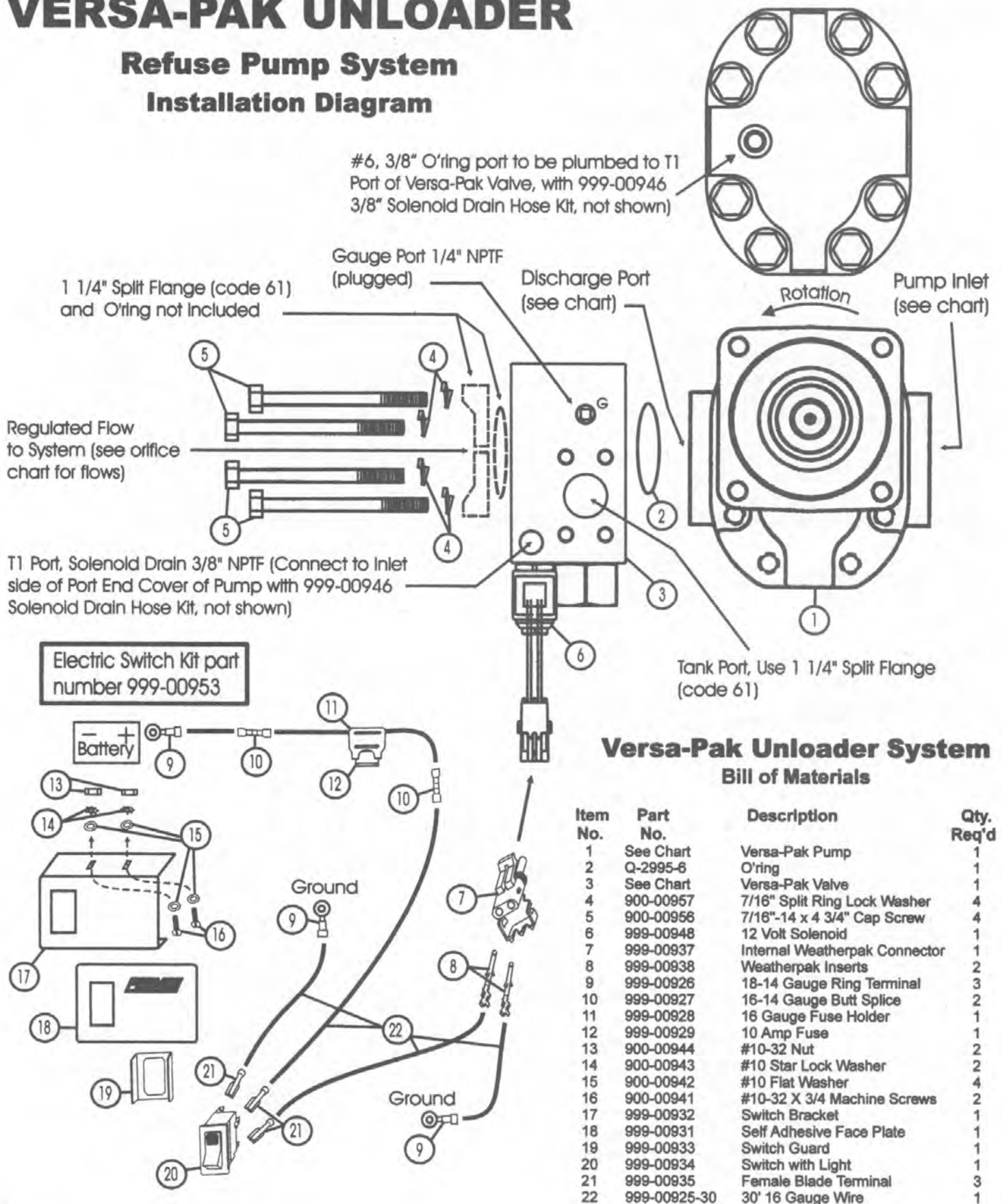


VERSA-PAK UNLOADER

Refuse Pump System Installation Diagram

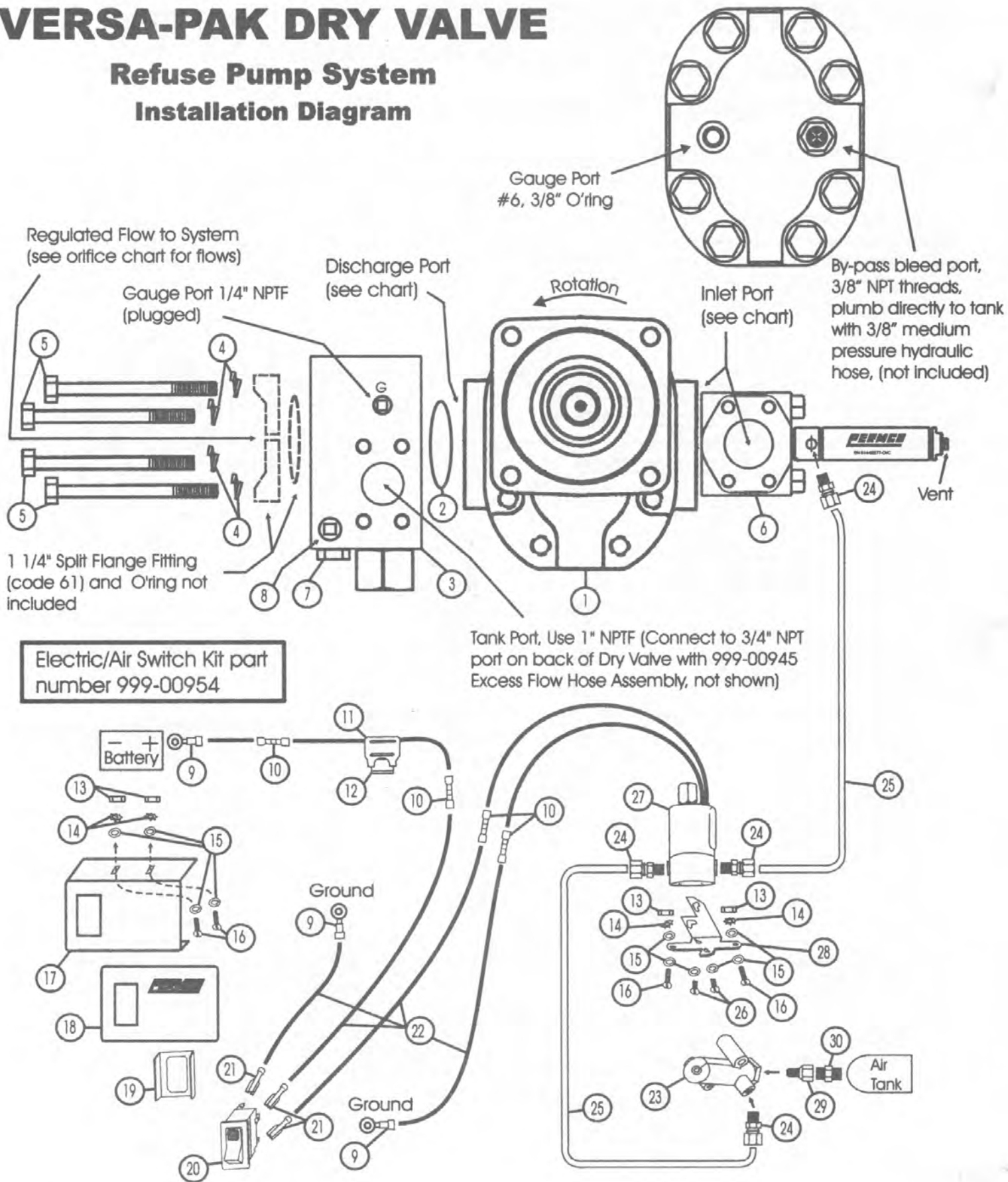


1500 Frost Road
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VERSA-PAK DRY VALVE

Refuse Pump System Installation Diagram



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Versa-Pak Dry Valve System

Bill of Materials

Item No.	Part No.	Description	Qty. Req'd	Item No.	Part No.	Description	Qty. Req'd
1	See Chart	Versa-Pak Pump	1	16	900-00941	#10-32 X 3/4 Machine Screw	4
2	Q-2995-6	O'ring	1	17	999-00932	Switch Bracket	1
3	See Chart	Versa-Pak Valve	1	18	999-00931	Self Adhesive Face Plate	1
4	900-00957	7/16" Split Ring Lock Washer	4	19	999-00933	Switch Guard	1
5	900-00956	7/16"-14 x 4 3/4" Cap Screw	4	20	999-00934	Switch with Light	1
6	See Chart	Dry Valve Assembly	1	21	999-00935	Female Blade Terminal	3
7	999-00947	Solenoid Cavity Plug	1	22	999-00925-30	30' 16 Gauge Wire	1
8	WO-7	T1 Plug (3/8" NPTF)	1	23	PP1204	Pressure Protection Valve	1
9	999-00926	18-14 Gauge Ring Terminal	3	24	514-00306-CF	Compression Fitting	4
10	999-00927	16-14 Gauge Butt Splice	4	25	514-00268-PT	Air Line 17.5' each	2
11	999-00928	16 Gauge Fuse Holder	1	26	900-00940	#10-32 X 7/16" Mach. Screw	2
12	999-00929	10 Amp Fuse	1	27	514-00914	Solenoid, Electric/Air 12 volt	1
13	900-00944	#10-32 Nut	4	28	931-00915	Bracket, Solenoid	1
14	900-00943	#10 Star Lock Washer	4	29	999-00924	1/4" Int X 1/8" Ext NPT Adapter	1
15	900-00942	#10 Flat Washer	10	30	999-00930	1/4" X 1/4" Nipple	1

Versa-Pak GPM Orifice Chart

Flow (GPM)	Drill Size	Part Number
Blank		999-00949-BL
30	L (.2900)	999-00949-30
35	O (.3160)	999-00949-35
40	Q (.3320)	999-00949-40
45	T (.3580)	999-00949-45
50	U (.3680)	999-00949-50
55	W (.3860)	999-00949-55
60	Y (.4040)	999-00949-60
65	Z (.4130)	999-00949-65
70	27/64 (.4219)	999-00949-70
75	7/16 (.4375)	999-00949-75
80	15/32 (.4688)	999-00949-80

Dry Valve Assemblies

1 1/2"	514-00911-DVA
2"	514-00278-DVA

These orifice sizes are based on ISO 32 oil at 120 degrees Fahrenheit.
Slightly different results may occur with differing viscosity and temperature.

Versa-Pak Pump Specifications

Model Number	Displ. Cu. In.	Gear Width Inches	Inlet Port SAE 4 Bolt (Code 61)	Discharge Port SAE 4 Bolt (Code 61)
VP28	6.066	1.50	1 1/2"	1 1/4"
VP32	7.077	1.75	1 1/2"	1 1/4"
VP37	8.088	2.00	2"	1 1/4"
VP42	9.099	2.25	2"	1 1/4"
VP47	10.110	2.50	2"	1 1/4"



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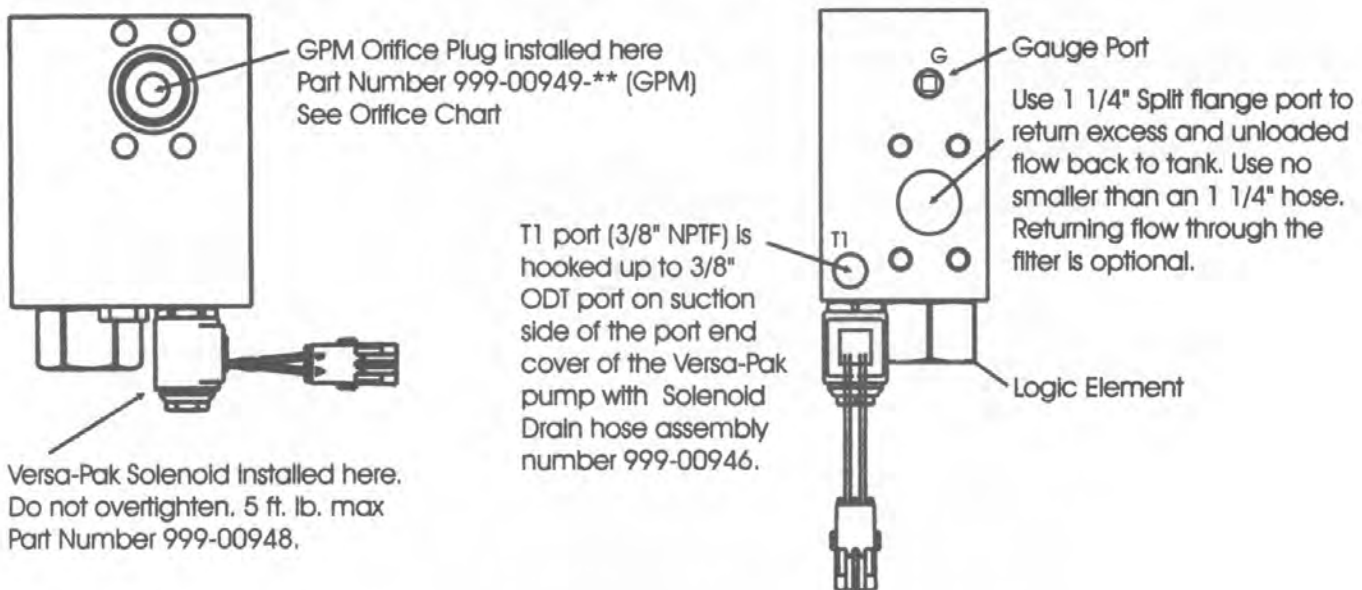
Versa-Pak Valve

Set Up Drawings

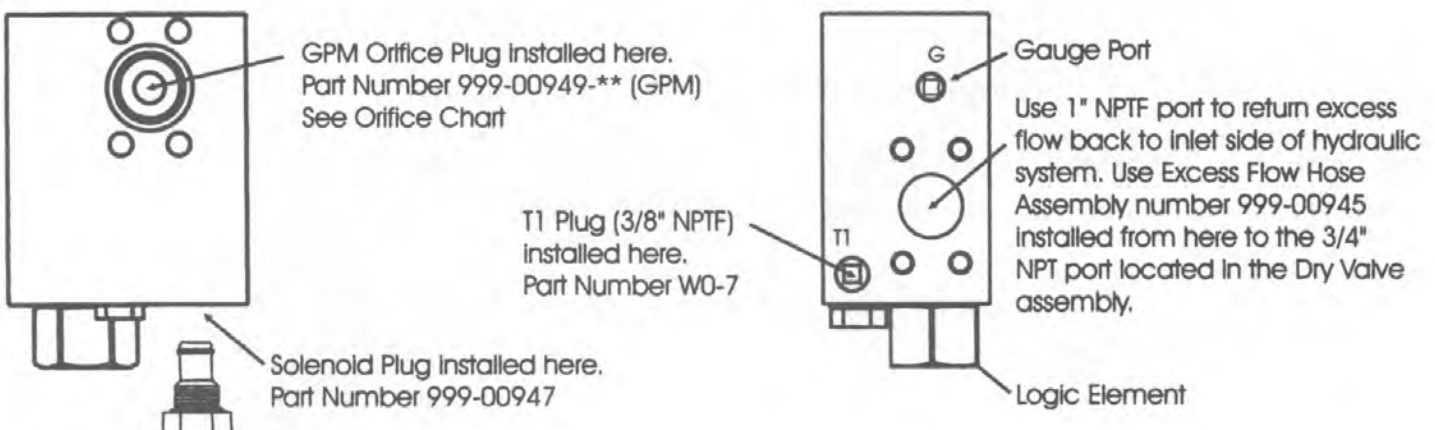
The Versa-Pak Valve can be purchased in a number of configurations. The diagrams below show graphically how to install the components to make up the two major variations depending on the use of the valve.

The Versa-Pak Valve may be installed in this manner with the solenoid and/or logic element pointing down or with the solenoid and/or logic element pointing up. With the solenoid and/or logic element pointing down the return/tank port will be oriented toward the rear of the vehicle. With the solenoid and/or logic element pointing up the return/tank port will be oriented toward the front of the vehicle.

Versa-Pak Unloader (Commonly used without Dry Valve)



Versa-Pak Flow Control only (Commonly used with Dry Valve System)



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