

**MODEL G – HY-PAK**  
**FOUR STATION**  
**PRE-CONFIGURED HYDRAULIC POWER UNIT**

HYSPECO MODEL G – HY-PAK HYDRAULIC POWER UNITS								
**HYSPECO ASSEMBLY NUMBER	HYSPECO PART NUMBER	SERIES	RESERVOIR CAPACITY GAL [LITERS]	ELECTRIC MOTOR HP	MAX FLOW GPM [LPM] (@1800 RPM)	MAX CONTINUOUS OPERATING PRESSURE PSI [BAR]	DIRECTIONAL VALVE MOUNTING INTERFACE	VALVE MTG. THD
C30G0005	C30-D-E-G-1XX-2XX-3XX-4XX	C	60 [228]	30	21.0 [79.82]	2200 [151.7]	D05/NG10	1/4"–20 UNC

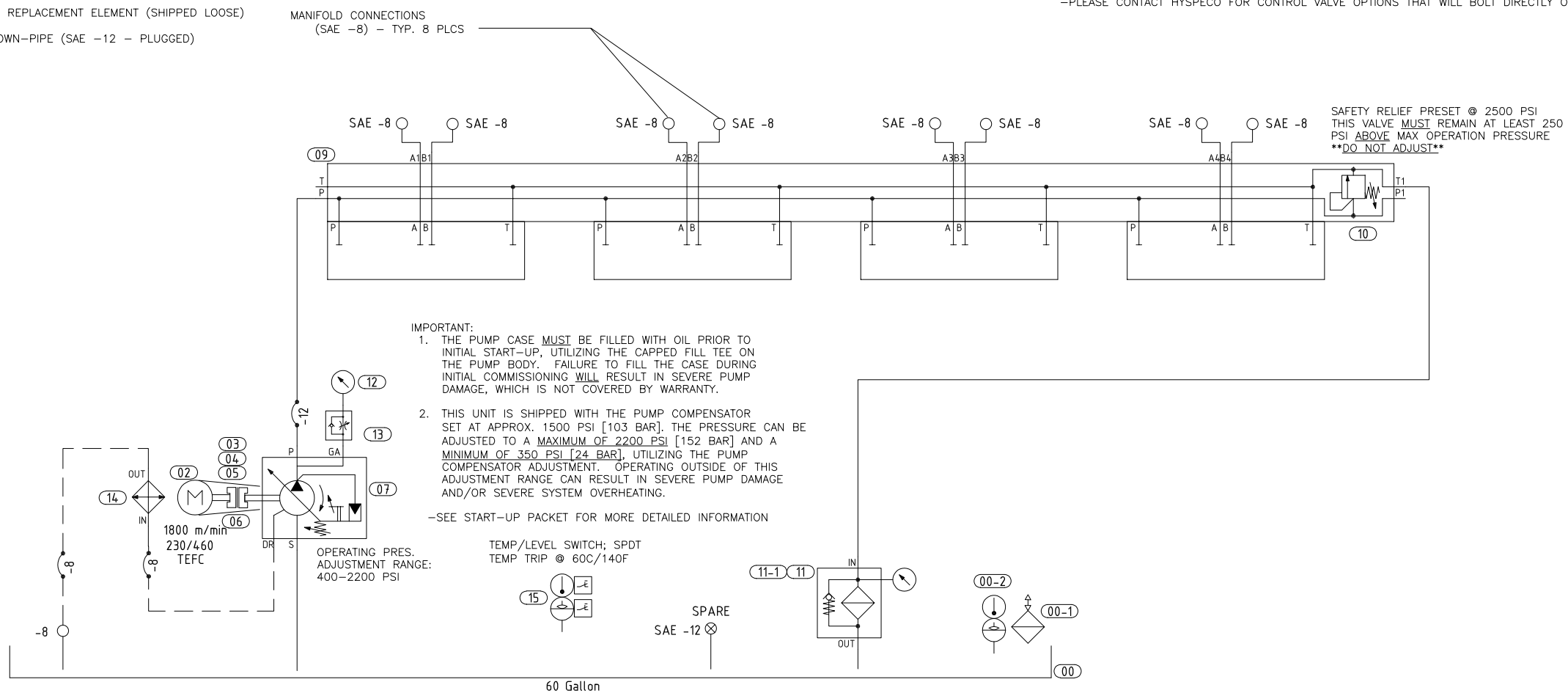
- ALL UNITS INCLUDE THE FOLLOWING STANDARD FEATURES:
- HEAVY DUTY DESIGN FOR 24/7 INDUSTRIAL APPLICATIONS
  - PAINTED AND PRE-TESTED BEFORE SHIPMENT
  - RESERVOIR W/ INTERNAL BAFFLE; CLEAN-OUT COVERS; SIGHT-GLASS W/ THERMOMETER; AND FILLER BREATHER ASSEMBLY
  - LIQUID FILLED PRESSURE GAUGE W/ SHUT-OFF
  - WELDED RISERS ON TANK SUCTION, RETURN FILTER, TEMP/LEVEL SWITCH; AND FILLER-BREATHER TANK PENETRATION POINTS
  - SAFETY RELIEF VALVE (PRESET)
  - PUMP PRESSURE COMPENSATOR CAN BE ADJUSTED TO THE MAXIMUM OPERATING PRESSURE NOTED IN THE CHART. (UNITS SHIPPED WITH COMPENSATOR SET @ 1500 PSI [103 BAR])
  - DUCTILE MANIFOLD
  - TEMP/LEVEL SWITCH; SPDT
  - REAR MOUNTED PUMP CASE DRAIN COOLER
  - TANK MOUNTED RETURN FILTER
  - SPARE RETURN FILTER REPLACEMENT ELEMENT (SHIPPED LOOSE)
  - SPARE RETURN W/ DOWN-PIPE (SAE -12 – PLUGGED)

**\*\*ORDER BY HYSPECO ASSEMBLY NUMBER**

- CONTACT HYSPECO ENGINEERING FOR FLOW AND/OR OPERATING PRESSURE CAPABILITIES OUTSIDE OF THE NOTED VALUES IN THE ABOVE TABLE.
- THESE SYSTEMS ARE DESIGNED FOR OPERATION WITH STANDARD PETROLEUM/MINERAL BASE HYDRAULIC FLUIDS (SEE NOTE BELOW)
- THE SYSTEMS ARE NOT DESIGNED OR RATED FOR USE WITH WATER-GLYCOL OR HIGH WATER CONTENT FLUIDS
- MINIMUM OPERATING PRESSURE: 350 PSI [24 BAR] TO PREVENT PUMP DAMAGE, DO NOT DIVERT PUMP FLOW TO TANK (0 PSI) FOR EXTENDED PERIODS OF TIME. IF THE PUMP MUST OPERATE FOR EXTENDED PERIODS OF TIME IN A "STAND-BY" MODE, CONTACT HYSPECO ENGINEERING FOR CIRCUIT MODIFICATION REQUIREMENTS.

NOTE: ALL UNITS ARE SUPPLIED WITH COVER PLATES INSTALLED ON ALL MANIFOLD STATIONS.

- INSTALL DESIRED ISO INTERFACE VALVE CONFIGURATIONS (SOLD SEPARATELY) IN PLACE OF ANY OF THE FOUR COVER PLATES. (SEE TABLE FOR INTERFACE AND BOLT THREAD INFORMATION.)
- FOR UNUSED VALVE POSITIONS, SIMPLY LEAVE THE COVER PLATE IN PLACE.
- PLEASE CONTACT HYSPECO FOR CONTROL VALVE OPTIONS THAT WILL BOLT DIRECTLY ON MANIFOLD



- IMPORTANT:**
1. THE PUMP CASE MUST BE FILLED WITH OIL PRIOR TO INITIAL START-UP, UTILIZING THE CAPPED FILL TEE ON THE PUMP BODY. FAILURE TO FILL THE CASE DURING INITIAL COMMISSIONING WILL RESULT IN SEVERE PUMP DAMAGE, WHICH IS NOT COVERED BY WARRANTY.
  2. THIS UNIT IS SHIPPED WITH THE PUMP COMPENSATOR SET AT APPROX. 1500 PSI [103 BAR]. THE PRESSURE CAN BE ADJUSTED TO A MAXIMUM OF 2200 PSI [152 BAR] AND A MINIMUM OF 350 PSI [24 BAR], UTILIZING THE PUMP COMPENSATOR ADJUSTMENT. OPERATING OUTSIDE OF THIS ADJUSTMENT RANGE CAN RESULT IN SEVERE PUMP DAMAGE AND/OR SEVERE SYSTEM OVERHEATING.

–SEE START-UP PACKET FOR MORE DETAILED INFORMATION

+RS – DESIGNATES RECOMMENDED SPARE PART

(NOTE: IF THE UNIT IS BEING UTILIZED IN A "PROCESS-CRITICAL" APPLICATION, IT IS ALSO RECOMMENDED THAT A REPLACEMENT PUMP BE CONSIDERED AS A CRITICAL SPARE PART.)

ITEM	QTY	PART #	DESCRIPTION	MANU
00	1		60 GALLON JIC SERIES RESERVOIR W/ SIGHT GLASS AND BREATHER	
00-1	1	FB-H008W	REPLACEMENT FILLER/BREATHER	
00-2	1	SLLG-05T-C	REPLACEMENT SIGHT-GLASS ASSEMBLY	
02	1		30HP 1800RPM 208-230/460//380VAC 3PH 60/50HZ IC411 TEFC 286TC ELECTRIC MOTOR	WEG
03	1	M40012816DSS	MOTOR COUPLING; 1-7/8" X 1/2"KW	MAGNALOY
04	1	M40010008DSS	PUMP COUPLING; 1" X 1/4"KW	MAGNALOY
+RS 05	1	M470H5	INSERT; HYTREL	MAGNALOY
06	1		MOTOR/PUMP ADAPTER	
+RS (OPTIONAL) 07	1	PD045PS02SR5BAM0R1200000 (05E-02496-5)	PISTON PUMP; (2.75 CIR)	PARKER
09	1		D05 DUCTILE 4-STA. PARALLEL MANIFOLD W/ C10-2 RELIEF CAVITY	
+RS 10	1	RAH101S50	RELIEF VALVE CARTRIDGE; 200-5000 PSI; C10-2	PARKER
11	1		TANK MOUNTED RETURN FILTER W/ VISUAL FILTER INDICATOR	
+RS 11-1	1	946855Q	REPLACEMENT FILTER ELEMENT	PARKER
12	1		0-5000 PSI LIQUID FILLED PRESSURE GAUGE	
13	1		GAUGE SHUT-OFF W/ INTEGRAL SNUBBER	
14	1		REAR MOUNT CASE DRAIN OIL COOLER	
15	1		TEMP/LEVEL SWITCH; SPDT; TEMP TRIP @ 60C/140F	

RECOMMENDED FLUID TYPE: HIGH QUALITY PETROLEUM BASE HYDRAULIC FLUID, WITH A GOOD ANTI-WEAR ADDITIVE PACKAGE (ISO 46 OR ISO 68)

- EXAMPLE FLUIDS:
- PARKER DuraClean™
  - MOBIL DTE 25 OR DTE 26
  - TEXACO RANDO HD46 OR HD68
  - SHELL TELLUS 46 OR 68

SYM	DATE	CHANGE	BY
1	02.16.2024	ADDED 1800 RPM NOTATION TO FLOW RATING COLUMN	GWM
REVISIONS			

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HYSPECO, INC.  
 (800) 234-1041

TITLE

MODEL G FOUR STA. HPU  
 HYDRAULIC SCHEMATIC

DATE  
 02.05.2024  
 DRAWN BY  
 GWM  
 CHECKED BY  
 APPROVED BY

SCALE  
 NONE  
 SHEET  
 1 OF 1  
 REVISION  
 1  
 DRAWING No.  
 C30G0005