

MODEL F – HY–PAK
SINGLE STATION
PRE–CONFIGURED HYDRAULIC POWER UNIT

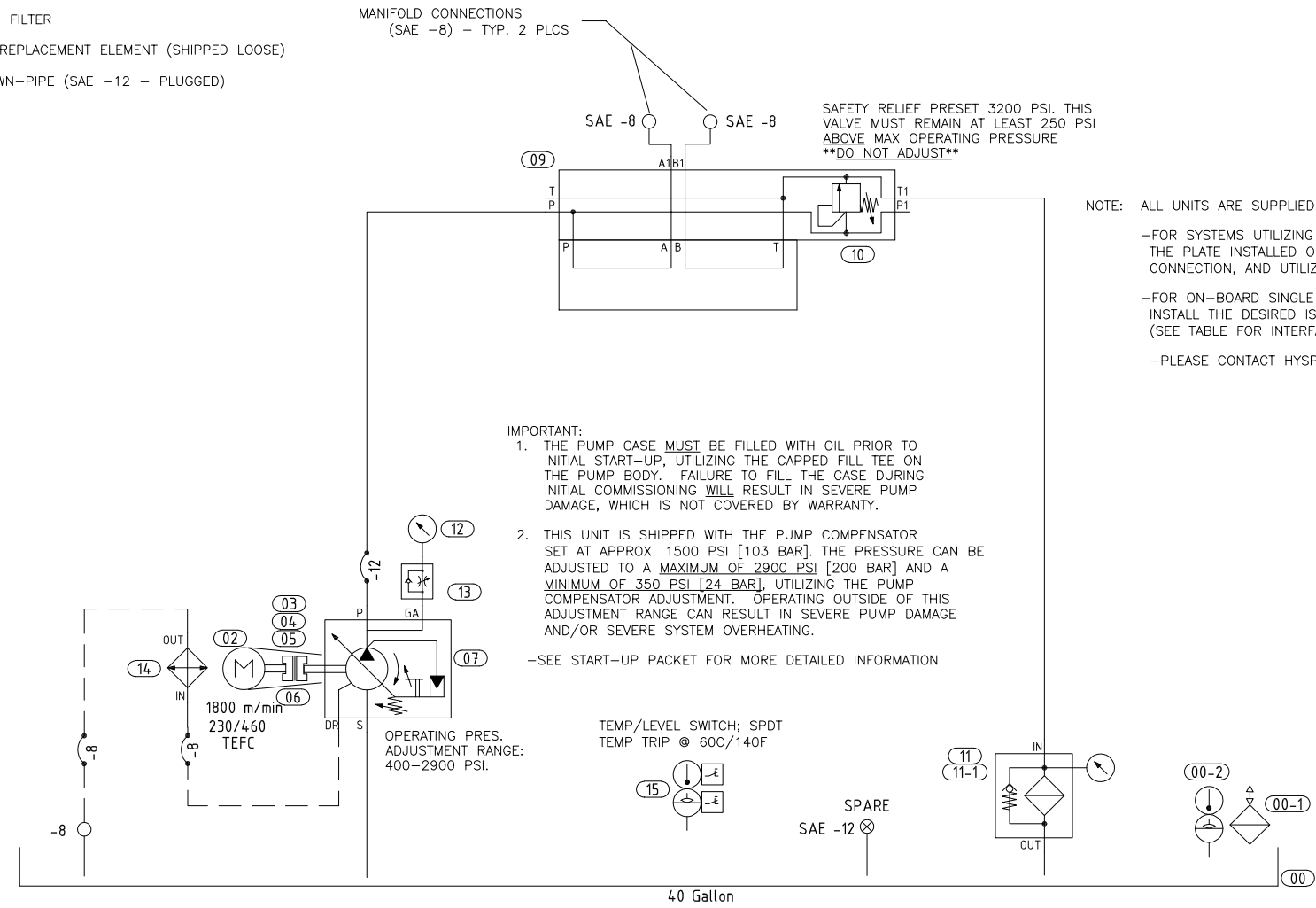
HYSPECO MODEL F – HY–PAK HYDRAULIC POWER UNITS

**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
B25F0002	B25–D–E–F	B	40 [152]	25	13.2 [50.2]	2900 [200]	D05/NG10	1/4"–20 UNC

–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.

- 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–BREATHING 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



+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		40 GAL RESERVOIR W/ SIGHT–GLASS & BREATHING	
00–1	1	FB–H008W	REPLACEMENT FILLER/BREATHING	
00–2	1	SLLG–05T–C	REPLACEMENT SIGHT–GLASS ASSY.	
02	1		25HP 1800RPM 230/460//380VAC 3PH 60/50HZ IC411 TEFC 284TC 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	COUPLING INSERT; (HYTREL)	MAGNALOY
06	1		MOTOR/PUMP ADAPTER	
+RS (OPTIONAL) 07	1	PD028PS02SRS5BAM0R1200000 (05E–01931–5)	PISTON PUMP; (1.71 CIR)	PARKER
09	1		D05 SINGLE STATION DUCTILE 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 CLOGGING INDICATOR; SAE –16 PORTS	
+RS 11–1	1	946855Q	REPLACEMENT FILTER ELEMENT	PARKER
12	1		0–5000 PSI/BAR 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

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

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TITLE
MODEL F SINGLE STA. HPU
HYDRAULIC SCHEMATIC

DATE 02.05.2024	SCALE NONE	REVISION 1
DRAWN BY GWM	SHEET 1 OF 1	DRAWING No. B25F0002
CHECKED BY		
APPROVED BY		