



Flex Power Pack

By Fluid Power Products, Inc.

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Series 20 Modular Hydraulic Power Units



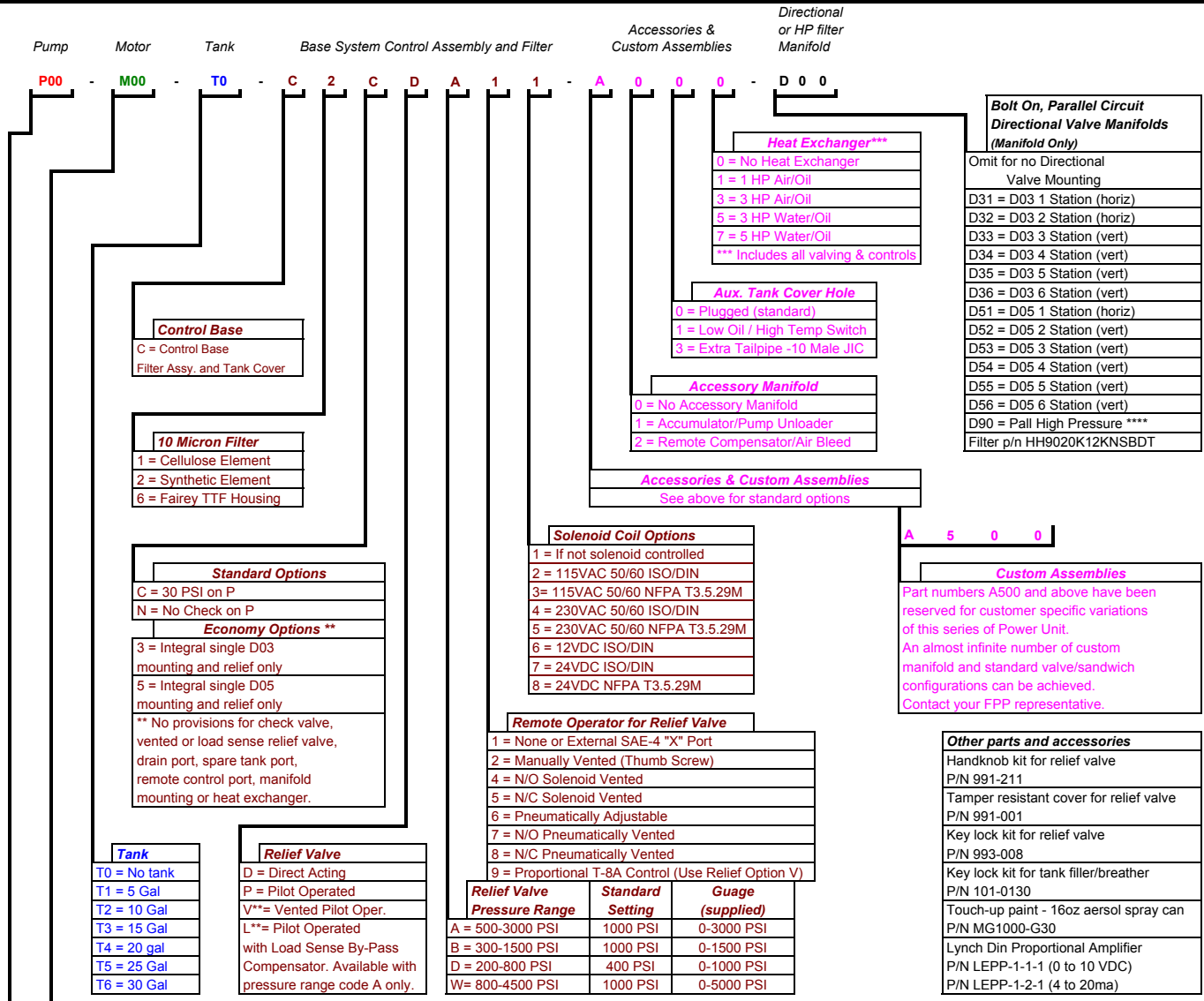
**Flows to 12 GPM
Fractional thru 5 Horsepower
Pressures to 4000 psi**

Standard features include...

- Single manifold base unit**
- Fixed or variable displacement pump**
- Direct acting, pilot operated or ventable relief valve.**
- Pressure gage with gage snubber**
- Guarded sight gage with thermometer**
- Filtered lockable filler breather**
- Return line filter with condition indicator**
- Provision to directly add bar manifolds and other accessories**
- Provision to add in tank heater and heat exchanger**
- Oversize SAE threaded drain plug**

Flex Power Pack

Series 20 Modular Hydraulic Power Units - 1/2 to 5 HP - Ordering Code



Bolt On, Parallel Circuit Directional Valve Manifolds (Manifold Only)

Omit for no Directional Valve Mounting

D31 = D03 1 Station (horiz)
D32 = D03 2 Station (horiz)
D33 = D03 3 Station (vert)
D34 = D03 4 Station (vert)
D35 = D03 5 Station (vert)
D36 = D03 6 Station (vert)
D51 = D05 1 Station (horiz)
D52 = D05 2 Station (vert)
D53 = D05 3 Station (vert)
D54 = D05 4 Station (vert)
D55 = D05 5 Station (vert)
D56 = D05 6 Station (vert)
D90 = Pall High Pressure ****

Filter p/n HH9020K12KNSBDT

Custom Assemblies

Part numbers A500 and above have been reserved for customer specific variations of this series of Power Unit. An almost infinite number of custom manifold and standard valve/sandwich configurations can be achieved. Contact your FPP representative.

Other parts and accessories

Handknob kit for relief valve	P/N 991-211
Tamper resistant cover for relief valve	P/N 991-001
Key lock kit for relief valve	P/N 993-008
Key lock kit for tank filler/breather	P/N 101-0130
Touch-up paint - 16oz aerosol spray can	P/N MG1000-G30
Lynch Din Proportional Amplifier	P/N LEPP-1-1-1 (0 to 10 VDC)
	P/N LEPP-1-2-1 (4 to 20ma)

Electric Motor - 1725 RPM Totally Enclosed Fan Cooled

Motor Code	M11	M13	M21	M23	M31	M33	M41	M43	M51	M53	M63	M73
Voltage	115/230	230/460	115/230	230/460	115/230	230/460	115/230	230/460	115/230	230/460	230/460	230/460
Phase	Single	Three	Single	Three	Single	Three	Single	Three	Single	Three	Three	Three
HP of motor	1/2 HP		3/4 HP		1 HP		1 1/2 HP		2 HP		3 HP	5 HP

Fixed Displacement pump

Code	Pump Flow
P13 = 0.5 GPM	
P13 = 0.9 GPM	
P21 = 1.3 GPM	
P22 = 1.6 GPM	
P23 = 1.8 GPM	
P24 = 2.2 GPM	
P25 = 3.1 GPM	
P31 = 3.6 GPM	
P32 = 4.5 GPM	
P33 = 4.9 GPM	
P34 = 6.2 GPM	
P35 = 7.1 GPM	
P36 = 8.5 GPM	

Variable Displacement Pump

P90V= 7.5 GPM VPV Series
P90M= 6.5 GPM PVM Series
P90R= 6 GPM PVR Series

Fixed Displacement Two Stage Pump

P41 = 2.6 - 0.5 GPM
P42 = 3.3 - 0.5 GPM
P43 = 4.3 - 1.4 GPM
P44 = 5.2 - 1.4 GPM
P45 = 6.1 - 1.4 GPM
P46 = 7.6 - 1.9 GPM
P51 = 10.2 - 3.4 GPM
P52 = 13.6 - 3.4 GPM

Below 650 PSI Above 650 PSI

	A		A		A		A		A		A	
1530 PSI	2310 PSI	3000 PSI	3000 PSI	3000 PSI	3000 PSI	3000 PSI	3000 PSI	3000 PSI	3000 PSI	3000 PSI	3000 PSI	
770 PSI	1160 PSI	1550 PSI	1090 PSI	1640 PSI	2180 PSI	3280 PSI	4000 PSI	4000 PSI	4000 PSI	4000 PSI	4000 PSI	
540 PSI	810 PSI	1090 PSI	1640 PSI	2180 PSI	3280 PSI	4000 PSI	4000 PSI	4000 PSI	4000 PSI	4000 PSI	4000 PSI	
460 PSI	690 PSI	930 PSI	1400 PSI	1870 PSI	2800 PSI	2800 PSI	4000 PSI	4000 PSI	4000 PSI	4000 PSI	4000 PSI	
400 PSI	610 PSI	810 PSI	1220 PSI	1640 PSI	2460 PSI	4000 PSI	4000 PSI	4000 PSI	4000 PSI	4000 PSI	4000 PSI	
320 PSI	480 PSI	650 PSI	980 PSI	1310 PSI	1960 PSI	3280 PSI	3280 PSI	3280 PSI	3280 PSI	3280 PSI	3280 PSI	
220 PSI	340 PSI	460 PSI	690 PSI	930 PSI	1400 PSI	2340 PSI	2340 PSI	2340 PSI	2340 PSI	2340 PSI	2340 PSI	
190 PSI	300 PSI	400 PSI	610 PSI	810 PSI	1220 PSI	2050 PSI	2050 PSI	2050 PSI	2050 PSI	2050 PSI	2050 PSI	
150 PSI	240 PSI	320 PSI	480 PSI	650 PSI	980 PSI	1640 PSI	1640 PSI	1640 PSI	1640 PSI	1640 PSI	1640 PSI	
140 PSI	210 PSI	290 PSI	440 PSI	590 PSI	890 PSI	1490 PSI	1490 PSI	1490 PSI	1490 PSI	1490 PSI	1490 PSI	
110 PSI	170 PSI	220 PSI	340 PSI	460 PSI	690 PSI	1170 PSI	1170 PSI	1170 PSI	1170 PSI	1170 PSI	1170 PSI	
90 PSI	140 PSI	190 PSI	300 PSI	400 PSI	610 PSI	1020 PSI	1020 PSI	1020 PSI	1020 PSI	1020 PSI	1020 PSI	
80 PSI	120 PSI	160 PSI	250 PSI	340 PSI	510 PSI	860 PSI	860 PSI	860 PSI	860 PSI	860 PSI	860 PSI	

90 PSI*	140 PSI*	180 PSI*	280 PSI*	380 PSI*	570 PSI*	960 PSI*
110 PSI*	168 PSI*	224 PSI*	336 PSI*	620 PSI*	672 PSI*	1120 PSI*
120 PSI*	182 PSI*	242 PSI*	364 PSI*	448 PSI*	725 PSI*	1215 PSI*

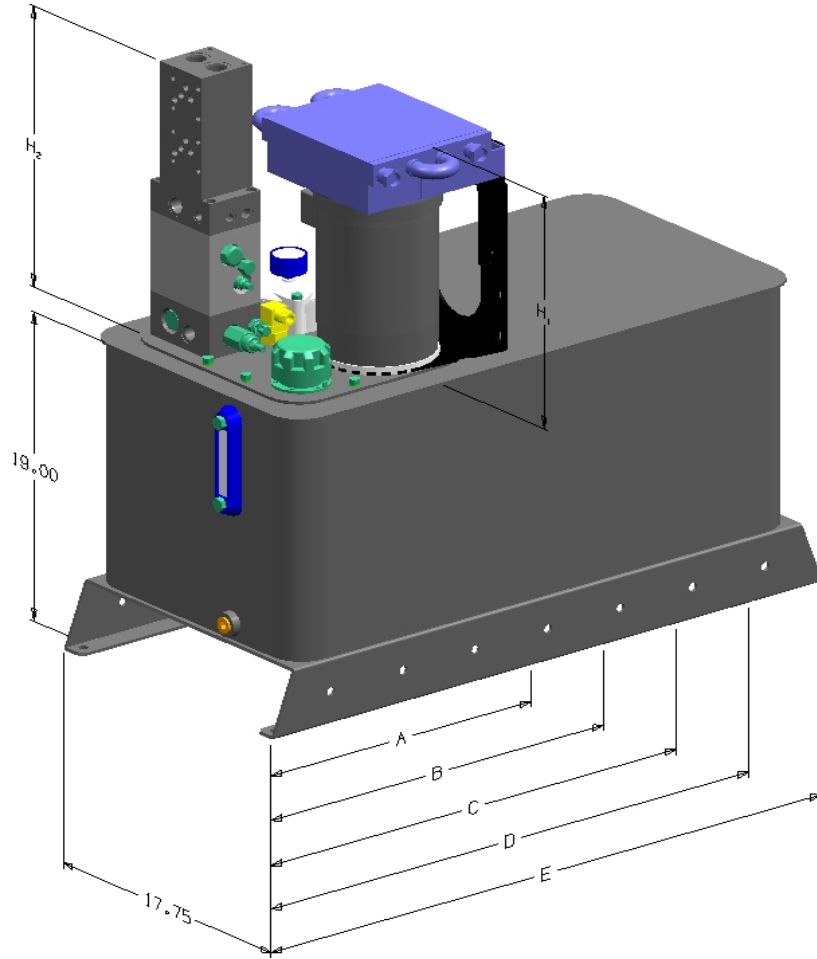
1530 PSI	2310 PSI	3000 PSI	3000 PSI	3000 PSI	3000 PSI	3000 PSI
1530 PSI	2310 PSI	3000 PSI	3000 PSI	3000 PSI	3000 PSI	3000 PSI
510 PSI	770 PSI	1020 PSI	1540 PSI	2060 PSI	3000 PSI	3000 PSI
510 PSI	770 PSI	1020 PSI	1540 PSI	2060 PSI	3000 PSI	3000 PSI
510 PSI	770 PSI	1020 PSI	1540 PSI	2060 PSI	3000 PSI	3000 PSI
380 PSI	570 PSI	760 PSI	1150 PSI	1540 PSI	2320 PSI	3000 PSI
200 PSI	310 PSI	420 PSI	640 PSI	850 PSI	1280 PSI	2150 PSI
200 PSI	310 PSI	420 PSI	640 PSI	850 PSI	1280 PSI	2150 PSI

* Maximum pressure at full displacement. System can operate at higher pressures with reduced flow rates.
 ** Ventable and Pilot Operated Load Sense option not available with variable displacement pumps.

Electrical panels with motor starters and controls are available, contact your Flex Power Pack representative



**Flex Power Pack by...
Fluid Power Products, Inc.**



Series 20 10 Thru 30 Gallon Reservoirs

	M11	M13	M21	M23	M31	M33	M41	M43	M51	M53	M63	M73
Baldor Motor	VL3504 1/2-1	VM3538 1/2-3	VL3507 3/4-1	VM3542 3/4-3	VL3510 1-1	VM3546 1-3	VL3514 1 1/2-1	VM3554 1 1/2-3	VL3605 2-1	VM3558T 2-3	VM3611 3HP-3PH	VM3615 5HP-3PH
H Height	10.44"	9.79"	10.91"	10.19"	11.69"	10.48"	12.56"	12.74"	14.12"	11.75"	12.63"	14.12"
A												
B												
C												
D												
E												