

Assemble to Order System

PUMP COMPONENT SPECIFICATION CHART

TO BUILD YOUR PUMP, FILL IN KEY LETTERS FROM CHARTS

1 Basic Pump	2 Select Valve	3 Select Valve Control	4 Select Gauge	5 Select Gauge Accessories	6 Pressure Control
7 Pressure Switch	8 Motor Control	9 Reservoir	10 Level/Temp Gauge	11 Choose Casters	12 Select Oil

Use the charts numbered from 1-12 below to select the pump, valve, gauge and other miscellaneous accessories to suit your needs. For the pump, fill in the basic number plus key letter in block 1 above and the key letter only in the blocks 2-12 above for any of the other items. Refer to the appropriate pages in this catalog for more specific information on the products you need.

PUMPS

1 BASIC PUMP (See pages 84-96)

BASIC PUMP NUMBERS						SPECIFICATIONS		
PE55 (10,000 psi)	PE90 (5,000 psi)	PE120 (10,000 psi)	PA55 (10,000 psi)	PA90 (5,000 psi)	PG55 (10,000 psi)	NOTE: Customer must specify voltage required.		
						Power Source	rpm	hp
A or AC*	A or AC*					115V-60 Hz, 1Ø	12,000	1½
						110V-50 Hz, 1Ø	12,000	1½
B or BC*	B or BC*					230V-60 Hz, 1Ø	12,000	1½
						220V-50 Hz, 1Ø	12,000	1½
† C or CC*	† C or CC*					115V-60 Hz, 1Ø	3,450	1½
† C50	† C50					110V-50 Hz, 1Ø	2,850	1½
† D or DC*	† D or DC*					230V-60 Hz, 1Ø	3,450	1½
† D50	† D50					220V-50 Hz, 1Ø	2,850	1½
† F60 **	† F60**					208, 230/460V-60 Hz, 3Ø	3,450	1½
† F50 **	† F50**					220/380V-50 Hz, 3Ø	2,850	1½
		M60 **				208, 230/460V-60 Hz, 3Ø	3,450	3
		M50 **				220/380V-50 Hz, 3Ø	2,850	3
			A	A		Air Motor	3,000	3
					A	Gas Engine	3,600	6

*Suffixes AC, BC, CC & DC indicate pumps for Canadian orders only.

NOTE: All electric units have 24 volt secondary circuit.

**Specify voltage required.

† These pumps do not start under full load unless valve is in "neutral" position (requires open or tandem center valve) and are not recommended for frequent starting and stopping.

2 VALVE (See pages 44-54)

Manifold/Manual/Air Operated Directional Valves			Function	Manifold/Manual/Air Operated Directional Valves			Function
AB	9628 manual, tandem center		4-way, 3 pos. valves	O	9609 manual, pressure compensated flow control		3-way, 4 pos.
AC	9632 manual "twin" tandem and open center			R	9506 manual, tandem center "Posi-Check®"		
A	None		—	RR	9511 manual, open center		4-way, 3 pos. valves
B	9626 manifold		Manifold	S	9500 manual, tandem center		
C	9584 manual		3-way,	T	9507 manual, closed center "Posi-Check®"		
D	9582 manual		2 pos. valves	U	9501 manual, closed center		
E	9610 automatic, pilot operated			Solenoid Operated Directional Valves			Function
G	9504 manual		3/4-way,	FF	9569 solenoid operated - 24 volt		3-way, 2 pos.
JJ	9594 air operated		2 pos. valves	HH	9572 solenoid operated - 24 volt		3/4-way, 2 pos.
L	9502 manual, closed center "non-interflow"		3-way,	PP	9599 solenoid operated - 24 volt		3-way, 3 pos.
M	9520 manual, tandem center "Posi-Check®"		3 pos. valves	VV	9512 solenoid operated - 24 volt		4-way,
N	9576 manual, metering tandem center			WW	9615 solenoid operated - 24 volt		3 pos. valves

3 VALVE CONTROL (See page 106)

Valve Remote Control		Use with Valve	Valve Remote Control		Use with Valve
A	None	—	Z	202778 remote hand control, 10 ft.	9512 or 9615
X	304718 remote hand control, 10 ft.	9572	ZF	309653 remote foot control, 10 ft.	9512, 9615, 9569 or 9599
XF	309652 remote foot control, 10 ft.	9572			
Y	202777 remote hand control, 10 ft.	9569 or 9599	ZZ	209593 remote hand control, 12 ft.	9594

4 GAUGE (See page 114-115)

Pressure Gauges	
A	None
B	Other – Specify
G	9041 0-10,000 psi – 0-689 Bar (2½" dia.)
H	9040 0-10,000 psi – 0-689 Bar (Liquid) (2½" dia.)
J	9051 0-10,000 psi – 0-689 Bar (4" dia.)
K	9087 0-6,000 psi (4" dia.)
M	9052 0-10,000 psi – 0-689 Bar (Liquid) (4" dia.)

6 PRESSURE CONTROL (See page 123)

Pressure Controls	
A	With standard external pressure regulator
C	Other – specify
D	350199 premium external pressure regulator. See Power Team Catalog product No. 9633 for details.

NOTE: Pressure controls are factory pre-set at 10,000 psi unless otherwise specified.

8 MOTOR CONTROL (See page 106)

Electric Motor Controls	
A	Standard On/Off/Pulse control (does not include remote switch) for A, B, C, D, F and M electric pumps. Also used for remote controlled solenoid valves.
B	None
C	25017 remote motor hand switch, 10 ft.
D	203225 remote motor hand switch, 10 ft. (heavy duty)
E	10461 remote motor foot switch, 10 ft.
Air Motor Controls	
AA	Other
B	None
P	27876 hand motor control (for PA55 & PA90 series)
Q	27877 foot motor control (for PA55 & PA90 series)

10 OIL LEVEL/TEMP. GAUGE (SEE PAGE 108)

Oil Level/Temperature Gauge	
A	None
BB	350431 oil level/temperature gauge

11 CASTERS (See page 114)

Casters	
A	None
C	10494 caster for use with 400630R9 reservoir (Specify quantity of four)

5 GAUGE ACCESSORY (See page 115)

Gauge Accessories	
A	None
N	9049 pulsation dampener – All dry gauges

7 PRESSURE SWITCH (See page 107)

Pressure Switch	
A	None
B	9625 electric pressure switch (500-10,000 psi) NOTE: Pressure switch is factory pre-set at 10,000 psi unless otherwise specified.
C	9641 pilot operated air control valve – N.C.
D	9643 pilot operated air control valve – N.O.

9 RESERVOIR (See page 109)

Reservoirs	Capacity	
A	None	
B	Other – Specify	
D	400630R9 – PE55, PE90, PE120, PA55 and PA90 series	2½ gal.
E	61165† – PE55, PE90, PE120, PA55 and PA90 series (Oil temperatures in excess of 150° F. may cause permanent failure of the thermoplastic reservoir)	2 gal.
F	RP22‡ – PE55, PE90, PE120, PA55 and PA90 series	2½ gal.
H	617990R9 Same as D except with drain port	2½ gal.
J	RP50 – PE55, PE90, PE120, PA55 and PA90 series	5 gal.
K	401370R9 – PG55 series	5 gal.
P	209124 – PE55, PE90, PE120, PA55 and PA90 series	7 gal.
V	RP100 – PE55, PE90, PE120, PA55 and PA90 series	10 gal.
W	RP101 – PG55 series	10 gal.

NOTE: Includes cover adapter and misc. accessories when applicable.

†High density polyethylene.

‡Aluminum.

12 OIL (See page 116)

Oil	
E	Ship pump without oil
F	9637 1 gal. standard hydraulic oil
G	9638 2½ gal. standard hydraulic oil
Q	9639 1 gal. Flame-Out hydraulic oil
R	9640 2½ gal. Flame-Out hydraulic oil
U	9645 1 gal. biodegradable hydraulic oil
V	9646 2½ gal. biodegradable hydraulic oil

NOTE: Select type of hydraulic oil and specify quantity.