

# V20 MODEL CODE BREAKDOWN

<b>MODEL CODE:</b>	<b>V20(*)</b>	<b>1</b>	<b>P</b>	<b>6</b>	<b>P</b>	<b>1</b>	<b>*</b>	<b>(*)</b>	<b>(*)</b>	<b>12</b>	<b>*</b>
<b>BREAKDOWN:</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>	<b>K</b>

<b>A</b>	<b>PUMP TYPE</b>					
	V20	Standard 2 Port Pump				
	V20F	Flow Control 3 Port Pump				
	V20P	Priority Flow 4 Port Pump				
<b>B</b>	<b>MOUNTING</b>					
	1	Standard 2 Bolt SAE "A" Flange 3.25" Pilot Diameter				
	2	Foot Bracket				
	4	6 Bolt Mount to Replace V230				
	6	2 Bolt SAE "B" Flange				
<b>C</b>	<b>INLET PORTING</b>					
	P	1" NPT				
	S	1 5/16" Straight Thread				
	E	2 Bolt Non-Standard Flange				
<b>D</b>	<b>FLOW</b>					
		<b>CUBIC INCH</b>	<b>GPM @ 1200</b>	<b>GPM @ 1800</b>	<b>PSI MAX</b>	<b>RPM MAX</b>
	6	1.19	6	9	2500	3400
	7	1.39	7	10.5	2500	3000
	8	1.62	8	12	2500	2800
	9	1.81	9	13.5	2500	2800
	10	1.93	10	14.5	2500	2500
	11	2.22	11	17	2500	2500
	12	2.38	12	18	2500	2400
	13	2.5	13	19	2500	2400
<b>E</b>	<b>OUTLET PORT</b>					
	P	3/4" NPT Port				
	S	1.062-12 Standard Thread				
	K					
	F					
<b>F</b>	<b>SHAFTS</b>					
	1	.750 2.655" Ext St. Key				
	3	.938 2.79" Ext St. Thd.				
	6	.748 1.25" Ext Woodruff Key				
	10	.75 1.47" Ext Key Thd				
	11	.75 2.935" Ext 11T				
	15	.874 1.690" 13 T				
	16	.623 1.250" 9 T				
	17	.687 .780" Ext Stub				
	18	.623 1.250" Ext 9 T				
	20	.875 2.44" Ext Key Thd				
	23	.875 1.75" Ext 13T				
	27	.950 1.076" Ext				
	30	.950 2.00" Ext Tang				
	31	.750 2.77" Ext St Key				
	32	.938 2.06" Ext Key Thd				
	33	.938 2.06" Ext Key Thd				
	37	.748 1.750" Ext 11T				
38	.748 1.250" Ext 11T					
39	.858 1.665" Ext 13T					

	40	.733 1.750" Ext 11T
	54	1.00 1.370" Ext 1/2"-20 Tap
	55	.746 2.38" Ext 11T
	62	.608 1.245" Ext 9T
	70	.750 1.875" Ext St. Key
	73	.875 2.336" Ext Tapered Thd
	75	.875 .875 Ext Tapered Thd
	79	.750 2.655" Ext Key 1/4-20 Tap
	111	.875 1.448" Ext 13T
	<b>PORT ORIENTATION</b>	
<b>G</b>	A	Outlet opposite inlet facing the port cover end
	B	90 CCW from inlet facing the port cover end
	C	Inlet and outlet in line facing the port cover end
	D	90 CW from inlet facing the port cover end
	<b>CONTROLLED FLOW RATE FOR "F" PUMPS</b>	
<b>H</b>	2	2 gpm flow .110" Orifice #35 Drill
	4	4 gpm flow .136" Orifice #29 Drill
	5	5 gpm flow .147" Orifice #26 Drill
	6	6 gpm flow .161" Orifice #20 Drill
	7	7 gpm flow .173" Orifice #17 Drill
	8	8 gpm flow .187" Orifice 3/16" Drill
	9	9 gpm flow .199" Orifice #8 Drill
	10	10 gpm flow .213" Orifice #3 Drill
	11	11 gpm flow .221" Orifice #1 Drill
		<b>RELIEF VALVE SETTING</b>
<b>I</b>	A	250 PSI
	B	500 PSI
	C	750 PSI
	D	1000 PSI
	E	1250 PSI
	F	1500 PSI
	G	1750 PSI
	H	2000 PSI
	J	2250 PSI
	K	2500 PSI
<b>J</b>	<b>PUMP DESIGN</b>	
<b>K</b>	<b>PUMP ROTATION</b>	
	(BLANK)	RIGHT HAND
	L	LEFT HAND