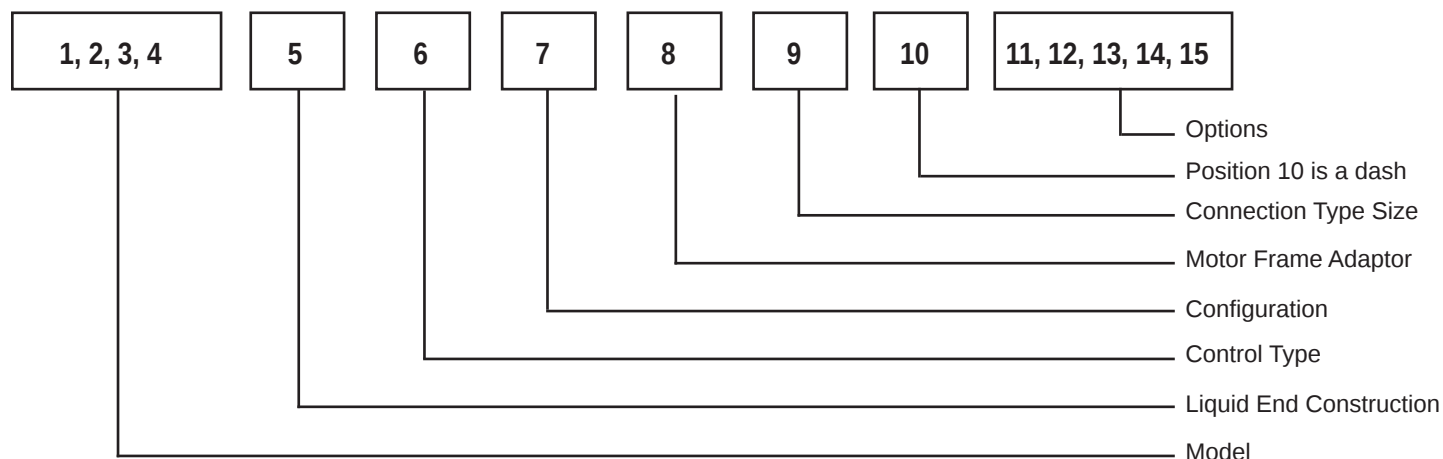


Model Selection Guide



POSITION 1, 2, 3, 4 = Model (pressure & capacity)

L2 Required HP 1/4 or .18 Kw

L6 Required HP 3/4 or .55 Kw

Note: See notes on viscosity and multiplexing at the end of this section.

PRESSURE AND CAPACITY @ 60 HZ, 1725 RPM

Plastic Construction

					Conn. Size, Inch		
PSIG	BAR	GPH	LPH	SPM	Suct.	Disch.	Model
305	21.0	2.7	10.0	58	0.25	0.25	L2F7
305	21.0	3.9	14.9	86	0.25	0.25	L2F8
305	21.0	5.3	19.9	115	0.25	0.25	L2F9
305	21.0	6.4	24.2	140	0.5	0.5	L2G1
305	21.0	7.9	30.0	173	0.5	0.5	L2G2
250	17.2	8.1	30.5	58	0.5	0.5	L6R6
250	17.2	11.9	45.2	86	0.5	0.5	L6R7
250	17.2	16.0	60.5	115	0.5	0.5	L6R8
250	17.2	19.4	73.6	140	0.5	0.5	L6R9
250	17.2	24.0	91.0	173	0.5	0.5	L6S1
160	11.0	6.1	23.2	58	0.5	0.5	L2G3
160	11.0	9.2	34.9	58	0.5	0.5	L2G8
160	11.0	12.2	46.1	115	0.5	0.5	L2G5
160	11.0	13.7	51.7	86	0.5	0.5	L2G9
160	11.0	14.8	56.1	140	0.5	0.5	L2G6
160	11.0	18.3	69.1	115	0.5	0.5	L2H1
160	11.0	22.2	84.1	140	0.5	0.5	L2H2
160	11.0	27.5	104.0	173	0.75	0.75	L2H3
150	10.3	14.5	54.7	58	0.5	0.5	L6S2
150	10.3	21.4	81.2	86	0.5	0.5	L6S3
150	10.3	24.1	91.2	58	0.5	0.5	L6S7
150	10.3	28.7	109.0	115	0.75	0.75	L6S4
150	10.3	35.7	135.0	86	0.75	0.75	L6S8
150	10.3	43.1	163.0	173	0.75	0.75	L6S6
150	10.3	47.8	181.0	115	0.75	0.75	L6S9
150	10.3	58.2	220.0	140	1.0	1.0	L6T1
150	10.3	71.9	272.0	173	1.0	1.0	L6T2

Metal Construction

					Conn. Size, Inch		
PSIG	BAR	GPH	LPH	SPM	Suct.	Disch.	Model
305	21.0	2.8	10.8	58	0.25	0.25	L2C1
305	21.0	4.2	16.0	86	0.25	0.25	L2C2
305	21.0	5.6	21.3	115	0.25	0.25	L2C3
305	21.0	6.9	26.0	140	0.5	0.5	L2C4
305	21.0	8.5	32.1	173	0.5	0.5	L2C5
250	17.2	8.6	32.7	58	0.5	0.5	L6K7
250	17.2	12.8	48.4	86	0.5	0.5	L6K8
250	17.2	17.1	64.8	115	0.5	0.5	L6K9
250	17.2	20.8	78.9	140	0.5	0.5	L6L1
250	17.2	25.7	97.5	173	0.75	0.75	L6L2
160	11.0	6.5	24.7	58	0.5	0.5	L2C6
160	11.0	9.8	37.0	58	0.5	0.5	L2D2
160	11.0	12.9	49.0	115	0.5	0.5	L2C8
160	11.0	14.5	54.9	86	0.5	0.5	L2D3
160	11.0	15.7	59.6	140	0.5	0.5	L2C9
160	11.0	19.4	73.4	115	0.5	0.5	L2D4
160	11.0	23.6	89.4	140	0.5	0.5	L2D5
160	11.0	29.2	110.0	173	0.75	0.75	L2D6
150	10.3	15.4	58.2	58	0.5	0.5	L6L3
150	10.3	22.8	86.2	86	0.5	0.5	L6L4
150	10.3	25.6	96.9	58	0.75	0.75	L6L8
150	10.3	30.5	115.0	115	0.75	0.75	L6L5
150	10.3	38.0	144.0	86	0.75	0.75	L6L9
150	10.3	45.8	173.0	173	0.75	0.75	L6L7
150	10.3	50.8	192.0	115	0.75	0.75	L6M1
150	10.3	61.8	234.0	140	1.0	1.0	L6M2
150	10.3	76.4	289.0	173	1.0	1.0	L6M3

PRESSURE AND CAPACITY @ 60 HZ, 1725 RPM

Plastic Construction							
PSIG	BAR	GPH	LPH	SPM	Conn. Size, Inch		Model
					Suct.	Disch.	
75	5.2	53.1	201	58	0.75	0.75	L6T3
75	5.2	78.7	298	86	1.0	1.0	L6T4
75	5.2	105	398	115	1.5	1.0	L6T5
75	5.2	128	485	140	1.5	1.0	L6T6
75	5.2	158	599	173	1.5	1.0	L6T7

Metal Construction							
PSIG	BAR	GPH	LPH	SPM	Conn. Size, Inch		Model
					Suct.	Disch.	
75	5.2	55.3	210	58	0.8	0.8	L6M4
75	5.2	82.1	311	86	1.0	1.0	L6M5
75	5.2	109	416	115	1.5	1.0	L6M6
75	5.2	134	506	140	1.5	1.0	L6M7
75	5.2	165	625	173	1.5	1.0	L6M8

PRESSURE AND CAPACITY @ 50 HZ, 1425 RPM

Plastic Construction							
PSIG	BAR	GPH	LPH	SPM	Conn. Size, Inch		Model
					Suct.	Disch.	
305	21.0	2.2	8.3	48	0.25	0.25	L2D7
305	21.0	3.2	12.3	71	0.25	0.25	L2D8
305	21.0	4.3	16.5	95	0.25	0.25	L2D9
305	21.0	5.2	19.7	114	0.25	0.25	L2E1
305	21.0	6.5	24.8	143	0.5	0.5	L2E2
305	21.0	8.1	30.8	178	0.5	0.5	L2E3
250	17.2	6.7	25.2	48	0.5	0.5	L6M9
250	17.2	9.9	37.3	71	0.5	0.5	L6N1
250	17.2	13.2	50	95	0.5	0.5	L6N2
250	17.2	15.8	59.9	114	0.5	0.5	L6N3
250	17.2	19.9	75.2	143	0.5	0.5	L6N4
250	17.2	24.7	93.6	178	0.75	0.75	L6N5
160	11.0	5.1	19.2	48	0.5	0.5	L2E4
160	11.0	7.6	28.8	48	0.5	0.5	L2F1
160	11.0	10.1	38.1	95	0.5	0.5	L2E6
160	11.0	11.3	42.7	71	0.5	0.5	L2F2
160	11.0	12.1	45.7	114	0.5	0.5	L2E7
160	11.0	15.1	57.1	95	0.5	0.5	L2F3
160	11.0	18.1	68.5	114	0.5	0.5	L2F4
160	11.0	18.8	71.3	178	0.5	0.5	L2E9
160	11.0	22.7	85.9	143	0.5	0.5	L2F5
160	11.0	28.3	107	178	0.75	0.75	L2F6
150	10.3	12.0	45.3	48	0.5	0.5	L6N6
150	10.3	17.7	67	71	0.5	0.5	L6N7
150	10.3	19.9	75.5	48	0.5	0.5	L6P3
150	10.3	23.7	89.7	95	0.5	0.5	L6N8
150	10.3	28.4	108	114	0.75	0.75	L6N9
150	10.3	29.5	112	71	0.75	0.75	L6P4
150	10.3	35.7	135	143	0.75	0.75	L6P1
150	10.3	39.5	149	95	0.75	0.75	L6P5
150	10.3	44.4	168	178	0.75	0.75	L6P2
150	10.3	47.4	179	114	0.75	0.75	L6P6
150	10.3	59.4	225	143	1.0	1.0	L6P7
150	10.3	74.0	280	178	1.0	1.0	L6P8

Metal Construction							
PSIG	BAR	GPH	LPH	SPM	Conn. Size, Inch		Model
					Suct.	Disch.	
305	21.0	2.4	8.9	48	0.25	0.25	L2A1
305	21.0	3.5	13.2	71	0.25	0.25	L2A2
305	21.0	4.7	17.6	95	0.25	0.25	L2A3
305	21.0	5.6	21.2	114	0.25	0.25	L2A4
305	21.0	7.0	26.5	143	0.5	0.5	L2A5
305	21.0	8.7	33	178	0.5	0.5	L2A6
250	17.2	7.1	27	48	0.5	0.5	L6W1
250	17.2	10.6	40	71	0.5	0.5	L6W2
250	17.2	14.1	54	95	0.5	0.5	L6W3
250	17.2	17.0	64.2	114	0.5	0.5	L6W4
250	17.2	21.3	80.6	143	0.5	0.5	L6W5
250	17.2	26.5	100	178	0.75	0.75	L6W6
160	11.0	5.4	20.4	48	0.5	0.5	L2A7
160	11.0	8.1	30.6	48	0.5	0.5	L2B4
160	11.0	10.7	40.4	95	0.5	0.5	L2A9
160	11.0	12.0	45.3	71	0.5	0.5	L2B5
160	11.0	12.8	48.5	114	0.5	0.5	L2B1
160	11.0	16.0	60.7	95	0.5	0.5	L2B6
160	11.0	19.2	72.8	114	0.5	0.5	L2B7
160	11.0	20.0	75.8	178	0.5	0.5	L2B3
160	11.0	24.1	91.3	143	0.75	0.75	L2B8
160	11.0	30.0	114	178	0.75	0.75	L2B9
150	10.3	12.7	48.1	48	0.5	0.5	L6W7
150	10.3	18.8	71	71	0.5	0.5	L6W8
150	10.3	21.2	80.2	48	0.5	0.5	L6J4
150	10.3	25.2	95.3	95	0.75	0.75	L6W9
150	10.3	30.2	114	114	0.75	0.75	L6J1
150	10.3	31.3	119	71	0.75	0.75	L6J5
150	10.3	37.9	143	143	0.75	0.75	L6J2
150	10.3	41.9	159	95	0.75	0.75	L6J6
150	10.3	47.2	178	178	0.75	0.75	L6J3
150	10.3	50.3	191	114	0.75	0.75	L6J7
150	10.3	63.1	239	143	1.0	1.0	L6J8
150	10.3	78.6	298	178	1.0	1.0	L6J9

PRESSURE AND CAPACITY @ 50 HZ, 1425 RPM

Plastic Construction								Metal Construction							
PSIG	BAR	GPH	LPH	SPM	Conn. Size, Inch		Model	PSIG	BAR	GPH	LPH	SPM	Conn. Size, Inch		Model
					Suct.	Disch.							Suct.	Disch.	
75	5.2	43.9	166	48	0.75	0.75	L6P9	75	5.2	45.8	173	48	0.75	0.75	L6K1
75	5.2	65.0	246	71	1.0	1.0	L6R1	75	5.2	67.8	256	71	1.0	1.0	L6K2
75	5.2	87.0	329	95	1.0	1.0	L6R2	75	5.2	90.7	344	95	1.0	1.0	L6K3
75	5.2	104	395	114	1.5	1.0	L6R3	75	5.2	108	412	114	1.5	1.0	L6K4
75	5.2	131	496	143	1.5	1.0	L6R4	75	5.2	137	517	143	1.5	1.0	L6K5
75	5.2	163	617	178	1.5	1.0	L6R5	75	5.2	170	643	178	1.5	1.0	L6K6

1. **VISCOSITIES:** For viscosities up to 3000 cp. select the pump stroking rates as follows:

0-50 CP = 178 SPM Max. 51-500 CP = 115 SPM max. 501-1500 CP = 95 SPM Max. 1501-300 CP = 71 SPM Max.

2. **MULTIPLEXING:** For duplexing, select the same stroking rate (SPM) for both pumps. The power requirement for a duplex is one motor size larger than the normal motor size required largest pump of the two. If both pumps discharge to a common line, the rated discharge pressure will be the lowest of the pump pair. For multiplexing configurations of three or more pumps, consult factory.

POSITION 5 = Liquid End Construction

Liquid End Construction		CHECK VALVES							Liquid End Construction with Leak Detection Diaphragm, List Price Adders			
Code		Reagent Head	Diaphragm	Ball	Seat	Gasket	Valve Cap	Temp. Range F, C	With Gauge Only (3) <53 gph (201 lph)/>53 gph (201 lph)		With Gauge & Switch (4) <53 gph (201 lph)/>53 gph (201 lph)	
A		316 SS	TFE Faced	316 SS	316 SS	PTFE	316 SS	0-158° -18-70°C	H		Q	
B		16 SS (1)	TFE Faced	HCO	020 SS	PTFE	316 SS	0-158° -18-70°C	J		R	
E		PVC	TFE Faced	ALA	PVC	PTFE	PVC	0-104° -18-40°C	M		U	
G		PVC (2)	TFE Faced	HCO	PVC	PTFE	PVC	0-104° -18-40°C	P		W	
F		PVDF	TFE Faced	HCO	PVDF	PTFE	PVDF	0-158° -18-70°C	N		V	

NOTES: (1) Recommended for applications handling commercial concentrated sulfuric acid (66% BE / 93+%).

(2) Recommended for applications handling sodium hypochlorite.

(3) Pressure gauge: 316 SS, 0-300 psig, 0-21 bar range.

(4) Switch: NEMA 7, IP66, EExd plus same gauge as above.

POSITION 6 = Control Type

STROKE LENGTH CONTROL

M - Manual

P - MPC w/ Flow Indicator (Nema 4X), IP56

POSITION 7 = Configuration

S - Simplex (Standard-gearbox on left)

D - Duplex (Driver)

E - Duplex (Driven)*

P - Simplex w/ MPC

L - Simplex (Gearbox on right)

*When "E" is selected in position 7, place an "X" in position 8.

Also, select the driven pump to have the same SPM

(Strokes per Minute) as the driver pump.

POSITION 8 = Motor Frame Adapter

A - 56C

D - 143 TC OR 145 TC

E - 63 (Metric)

B - 71 (Metric)

C - 80 (Metric)

X - No Gearbox/Motor Adaptor

POSITION 9 = Connection Type ⁽¹⁾

P - Threaded Female (NPT)

B - Threaded Female (BSPT)

F - Flanged (ANSI) ⁽²⁾

G - Flanged (DIN) ⁽²⁾

Connection Type Notes:

(1) PVC & PVDF threaded connections

use cartridge valves.

All other selections use 3-component

valves with tie bars.

(2) Standard 0.25" x 0.25" threaded connections are increased to 0.5" x 0.5" for the flanged connections option, use the price adder for 0.5" x 0.5" for flanged connections.

(3) CF = Consult Factory

Flanged Connections Suct. x Disch.	List Price Adder to NPT		
	Flanged, ANSI or DIN		
	PVC	PVDF	316
0.5" x 0.5"			
0.75" x 0.75"			
1.0" x 1.0"			
1.5" x 1.0"			

POSITION 10 = Is a dash "-"

POSITION 11-15 = Options

XXXXX

Options codes assigned by factory

CF