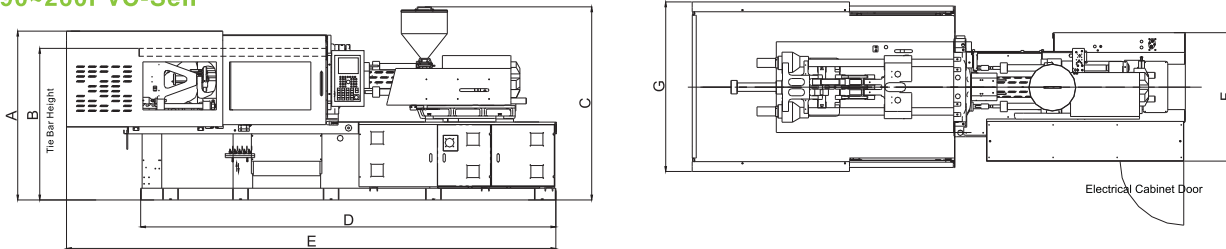
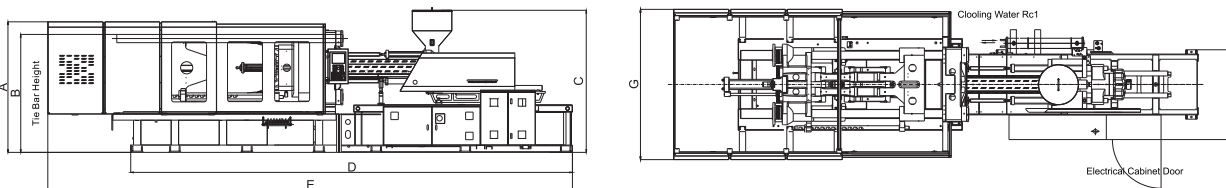


Machine Dimension

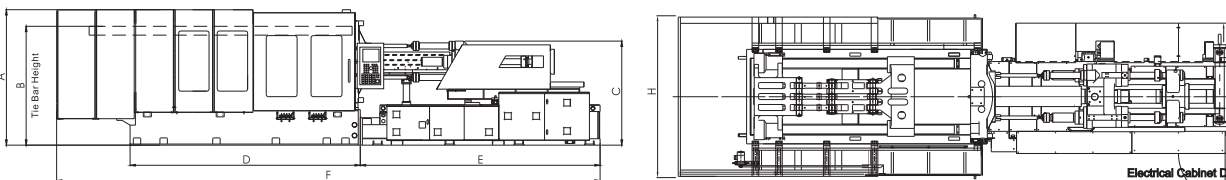
90~260PVC-Sell



320~660PVC-Sell



Model	A	B	C	D	E	F	G
90PVC/PVC-Sell	1524	1360	1872	3590	4122	1055	1370
130PVC/PVC-Sell	1622	1452	1868	3852	4571	1135	1460
160PVC/PVC-Sell	1728	1547	1971	4240	4994	1305	1726
190PVC/PVC-Sell	1812	1617	2018	4496	5307	1355	1892
260PVC/PVC-Sell	1810	1672	2019	4960	5937	1485	1828
320PVC/PVC-Sell	1952	1835	2153	5451	6450	1432	2160
380PVC/PVC-Sell	2045	1835	2151	6265	7395	1430	2291
450PVC/PVC-Sell	2145	1840	2177	6998	8141	1511	2637
500PVC/PVC-Sell	2145	1938	2335	7263	8626	1475	2469
560PVC/PVC-Sell	2170	2035	2460	7509	8769	2193	2490
660PVC/PVC-Sell	2341	2075	2487	7729	9103	2193	2642

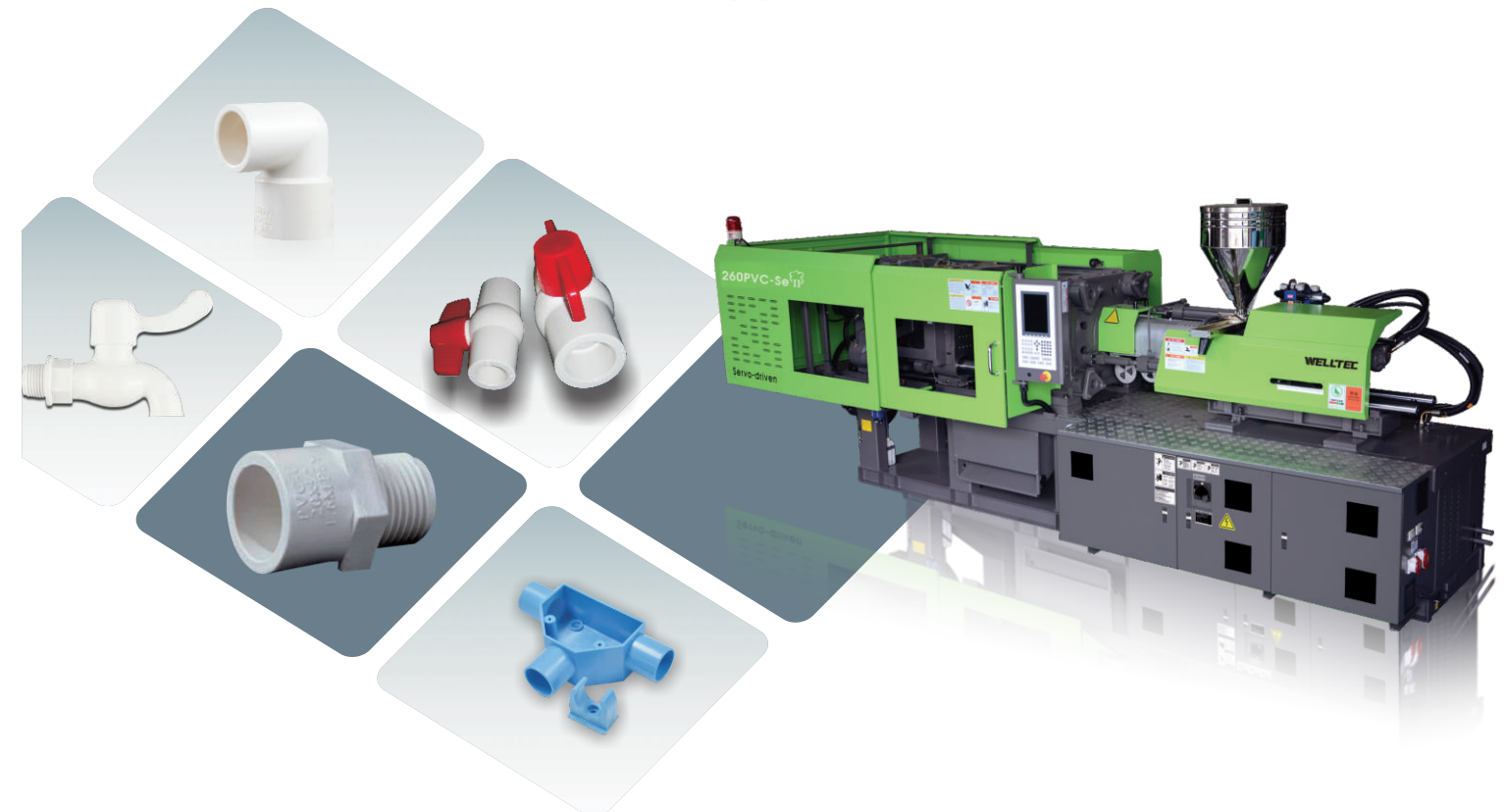


750~1800PVC-Sell

Model	A	B	C	D	E	F	G	H
750PVC/PVC-Sell	2539	2227	2635	4318	4497	10192	1410	2946
850PVC/PVC-Sell	2420	2300	2635	4668	4497	10514	1410	3100
1000PVC/PVC-Sell	2687	2370	2717	4904	4900	11090	1482	3380
1250PVC/PVC-Sell	2867	2530	2853	5485	5060	12149	1482	3620
1500PVC/PVC-Sell	2808	2700	3200	6158	5360	13290	1340	4000
1800PVC/PVC-Sell	2808	2720	3200	6340	5360	13439	1340	4240

WELLTEC

PVC / PVC-Sell Series (90~1800Ton) Professional Supplier of PVC Solution



WELLTEC

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E-mail: info@welltec.com.hk



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Professional Supplier of PVC Solution



Features

- At least 30% more energy saving than the traditional variable pump system (servo series).
- AC servo motor to achieve smooth motion even under low-speed (servo series).
- Higher repeatability of products with the use of the double closed loop control of flow and pressure.
- Exceptional and stable performance under low pressure and low flow attained by the servo-driven hydraulic pumps.
- Ultra-strong corrosion resistance thanks to the special screw of PVC that also ensures an even plasticisation.
- Wider span between moulding area and movable door together with two sets of core pulling to better suit a range of PVC products.



PVC servo pump parameters

		90PVC–Se II		130PVC–Se II		160PVC–Se II		190PVC–Se II		260PVC–Se II		320PVC–Se II		380PVC–Se II	
Screw diameter	mm	40	45	40	45	45	50	50	55	55	60	60	65	70	75
Theoretical shot volume	cm³	235	297	235	297	331	408	456	551	603	718	786	922	1262	1449
Shot weight (PVC)	g	282	357	282	357	397	490	547	661	724	862	943	1107	1515	1739
Shot weight (PVC)	oz	10.0	12.6	10.0	12.6	14.0	17.3	19.3	23.4	25.6	30.5	33.3	39.1	53.5	61.4
Length/Diameter ratio	L/D	22.0	20.0	22.0	20.0	21.8	20.0	21.7	20.0	21.6	20.0	21.5	20.0	21.5	20.0
Injection pressure	MPa	230	181	230	181	223	181	218	180	212	179	208	177	206	180
Injection rate	cm³/sec	75	95	89	113	114	141	147	178	229	273	240	282	302	347
Injection stroke	mm	187		187		208		232		254		278		328	
Screw speed	rpm	0–150		0–180		0–144		0–140		0–145		0–139		0-127	0-103
Injection unit force	Ton	3.6		5.7		5.7		5.7		8.9		8.9		11.7	
Carriage stroke	mm	255		300		320		360		400		450		435	
Clamping force	Ton	90		130		160		190		260		320		380	
Max. daylight	mm	680		820		906		1000		1130		1275		1450	
Clamping stroke	mm	320		410		446		490		550		615		710	
Distance between tie bars	mm	360x360		410x410		460x460		510x510		580x580		660x660		740x740	
Min. mould dimension	mm	250x250		280x280		320x320		350x350		400x400		460x460		510x510	
Mould thickness range	mm	150~360		150~410		150~460		175~510		200~580		250~660		250~740	
Ejector force	Ton	4		4		4.8		4.8		6.5		6.5		10.8	
Ejector stroke	mm	85		100		130		140		160		180		200	
No. of ejector pins	unit	5		5		5		5		9		13		13	
Max. motor Power	kW	11.8		13.4		16		23		32		37.7		46.1	
System pressure	MPa	17		17		17		17		17		17		17	
Hydraulic pump capacity	L/min	61		72		90		113		172		176		220	
No. of heater zones	unit	4+1		4+1		4+1		4+1		5+1		5+1		5+1	
Heater input power	kW	8.68		8.68		12		14.05		15.9		19.79		22.95	
Ultimate capacity	kW	21.48		23.08		29		38.05		48.9		58.49		70.05	
Current	A	29.4		31.6		39.7		52.0		66.9		80.0		95.8	
Net weight	Ton	3.13		4.15		5.2		6.53		8.2		10.8		14.4	
Oil filling capacity	L	140		160		290		310		430		520		570	

450PVC–Se II		500PVC–Se II		560PVC–Se II		660PVC–Se II		750PVC–Se II	850PVC–Se II	1000PVC–Se II	1250PVC–Se II	1500PVC–Se II	1800PVC–Se II
80	85	80	85	90	95	90	95	100	100	110	125	135	145
1860	2100	1940	2190	2799	3119	2799	3119	3691	3691	4657	6835	9232	10651
2232	2519	2328	2628	3359	3743	3359	3743	4430	4430	5588	8203	11079	12781
78.9	89.0	82.3	92.9	118.7	132.2	118.7	132.2	157	157	197	290	391	452
21.5	20.0	22.0	20.9	21.9	20.7	21.9	20.7	22.0	22.0	22.0	22.0	22.0	22.0
191	169	209	185	204	183	204	183	171	171	173	180	187	162
407	460	372	421	535	596	535	596	706	706	787	839	810	1215
370		386		440		440		470	470	490	557	645	645
0-102		0-102		0-103		0-103		0~81	0~81	0~71	0~60	0~46	0~47
11.7		11.7		19.8		19.8		19.8	19.8	19.8	19.8	28.8	28.8
480		500		600		600		600	600	650	800	800	850
450		500		560		660		750	850	1000	1250	1500	1800
1560		1640		1730		1830		2050	2200	2300	2600	2900	3000
740		820		880		910		1025	1100	1150	1300	1500	1500
780x780		825 x 825		860 x 840		920x920		1000x1000	1060x1060	1100x1100	1250x1250	1400x1400	1600x1400
540x540		570x570		600x590		645x645		700x700	740x740	780x780	875x875	980x980	1100x980
300~820		300~820		350~850		350~920		350~1025	450~1100	450~1150	500~1300	600~1400	700~1500
13.4		13.4		16.1		16.1		25	25	25	25	33	33
250		250		240		290		350	350	350	350	350	380
13		13		17		21		21	21	21	21	33	33
56.5		57		79.5		79.5		83.8	83.8	94.2	112	112	131.9
17		17		17		17		17	17	17	17	17	17
275		275		385		385		440	440	495	550	550	715
5+1		5+1		5+1		5+1		5+1	5+1	5+1	5+1	5+1	5+1
31.1		31.1		39.7		39.7		48	48	56	72	90	90
88.6		88.6		120.2		120.2		132.8	132.8	151.2	185	203	222.9
121.2		121.2		146.1		146.1		161.4	161.4	183.8	224.9	246.7	270.9
17.5		19.5		23		26		39.1	43.0	52.0	68.2	100.0	125.0
620		740		1000		1000		1500	1500	1600	1600	2000	2000

■ We are always working on improvement and reserve the right to change design and specifications without advance notice.

Low-velocity stability

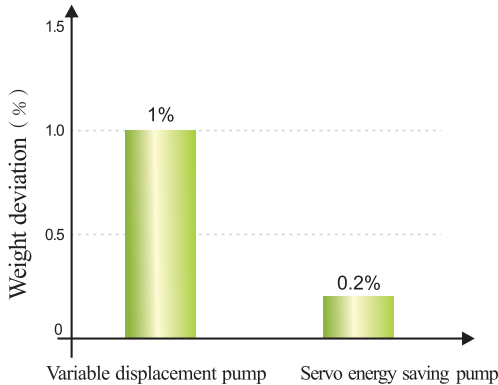
Exceptional performance under low–pressure and low–flow operation with the closed–loop control of pressure and flow.

No tremble when the injection speed is less than 1 mm/ sec.

Users can set the pressure and flow freely according to the requirements of the actual product to avoid the generation of excess heat. Oil temperature is stable compared with the traditional injection moulding machine.

High repeatability in injection moulding

Using servo control system and closed loop real time control of injection pressure and flow to achieve stability and high repeatability, and hence improve the moulding quality.



PVC variable pump parameters

		90PVC		130PVC		160PVC		190PVC		260PVC		320PVC		380PVC	
Screw diameter	mm	40	45	40	45	45	50	50	55	55	60	60	65	70	75
Theoretical shot volume	cm ³	235	297	235	297	331	408	456	551	603	718	786	922	1262	1449
Shot weight (PVC)	g	282	357	282	357	397	490	547	661	724	862	943	1107	1515	1739
Shot weight (PVC)	oz	10.0	12.6	10.0	12.6	14.0	17.3	19.3	23.4	25.6	30.5	33.3	39.1	53.5	61.4
Length/Diameter ratio	L/D	22.0	20.0	22.0	20.0	21.8	20.0	21.7	20.0	21.6	20.0	21.5	20.0	21.5	20.0
Injection pressure	MPa	216	171	216	171	210	170	205	169	200	168	196	167	194	169
Injection rate	cm ³ /sec	67	84	81	103	103	127	134	162	193	230	237	278	289	331
Injection stroke	mm	187		187		208		232		254		278		328	
Screw speed	rpm	0–135		0–165		0–130		0–130		0–140		0–134		0-120 0-98	
Injection unit force	Ton	3.4		5.3		5.3		5.3		8.4		8.4		11.1	
Carriage stroke	mm	255		300		320		360		400		450		435	
Clamping force	Ton	90		130		160		190		260		320		380	
Max. daylight	mm	680		820		906		1000		1130		1275		1450	
Clamping stroke	mm	320		410		446		490		550		615		710	
Distance between tie bars	mm	360x360		410x410		460x460		510x510		580x580		660x660		740x740	
Min. mould dimension	mm	250x250		280x280		320x320		350x350		400x400		460x460		510x510	
Mould thickness range	mm	150~360		150~410		150~460		175~510		200~580		250~660		250~740	
Ejector force	Ton	4		4		4.8		4.8		6.5		6.5		10.8	
Ejector stroke	mm	85		100		130		140		160		180		200	
No. of ejector pins	unit	5		5		5		5		9		13		13	
Max. motor Power	kW	7.5		11		15		18.5		22		30		37	
System pressure	MPa	16		16		16		16		16		16		16	
Hydraulic pump capacity	L/min	54		66		81		103		145		174		210	
No. of heater zones	unit	4+1		4+1		4+1		4+1		5+1		5+1		5+1	
Heater input power	kW	8.68		8.68		12		14.05		15.9		19.79		22.95	
Ultimate capacity	kW	17.18		20.68		28		33.55		38.9		50.79		60.95	
Current	A	26.1		31.4		42.5		51.0		59.1		77.2		92.6	
Net weight	Ton	3.13		4.15		5.29		6.53		8.2		10.8		14.4	
Oil filling capacity	L	150		170		300		330		450		550		600	

■ We are always working on improvement and reserve the right to change design and specifications without advance notice.

450PVC		500PVC		560PVC		660PVC		750PVC		850PVC		1000PVC		1250PVC		1500PVC		1800PVC	
80	85	80	85	90	95	90	95	100	100	110	125	110	125	135	145	135	145	145	145
1860	2100	1940	2190	2799	3119	2799	3119	3691	3691	4657	6835	4657	6835	9232	10651	9232	10651	10651	10651
2232	2519	2328	2628	3359	3743	3359	3743	4430	4430	5588	8203	5588	8203	11079	12781	11079	12781	12781	12781
78.9	89.0	82.3	92.9	118.7	132.2	118.7	132.2	157	157	197	290	197	290	391	452	391	452	452	452
21.5	20.0	22.0	20.9	21.9	20.7	21.9	20.7	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
180	159	197	174	192	172	192	172	161	161	163	170	163	170	176	152	176	152	152	152
387	437	354	399	424	472	424	472	707	707	770	911	770	911	880	1277	880	1277	1277	1277
370	386	440	440	470	470	490	557	645	645	645	645	645	645	645	645	645	645	645	645
0-97	0-97	0-81	0-81	0-81	0-81	0-70	0-64	0-50	0-49	0-49	0-49	0-49	0-49	0-49	0-49	0-49	0-49	0-49	0-49
11.1	11.1	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
480	500	600	600	600	600	650	800	800	850	850	850	850	850	850	850	850	850	850	850
450	500	560	660	750	850	1000	1250	1500	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
1560	1640	1730	1830	2050	2200	2300	2600	2900	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000
740	820	880	910	1025	1100	1150	1300	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
780x780	825 x 825	860 x 840	920x920	1000x1000	1060x1060	1100x1100	1250x1250	1400x1400	1600x1400	1600x1400	1600x1400	1600x1400	1600x1400	1600x1400	1600x1400	1600x1400	1600x1400	1600x1400	1600x1400
540x540	570x570	600x590	645x645	700x700	740x740	780x780	875x875	980x980	1100x980	1100x980	1100x980	1100x980	1100x980	1100x980	1100x980	1100x980	1100x980	1100x980	1100x980
300~820	300~820	350~850	350~920	350~1025	450~1100	450~1150	500~1300	600~1400	700~1500	700~1500	700~1500	700~1500	700~1500	700~1500	700~1500	700~1500	700~1500	700~1500	700~1500
13.4	12.6	16.1	16.1	25	25	25	25	33	33	33	33	33	33	33	33	33	33	33	33
250	250	240	290	350	350	350	350	350	380	380	380	380	380	380	380	380	380	380	380
13	13	17	21	21	21	21	21	33	33	33	33	33	33	33	33	33	33	33	33
45	45	55	55	74	74	90	110	110	150	150	150	150	150	150	150	150	150	150	150
16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
261	261	305	305	441	441	484	597	597	751	751	751	751	751	751	751	751	751	751	751
5+1	5+1	5+1	5+1	5+1	5+1	5+1	5+1	5+1	5+1	5+1	5+1	5+1	5+1	5+1	5+1	5+1	5+1	5+1	5+1
31.1	31.1	39.7	39.7	48	48	56	72	90	90	90	90	90	90	90	90	90	90	90	90
77.1	77.1	95.7	95.7	123	123	147	183	201	241	241	241	241	241	241	241	241	241	241	241
117.1	117.1	145.4	145.4	205.6	205.6	245.7	305.9	335.9	402.8	402.8	402.8	402.8	402.8	402.8	402.8	402.8	402.8	402.8	402.8
17.5	19.5	23	26	39.1	43.0	52.0	68.2	100.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0
650	780	1100	1100	1600	1600	1700	1700	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100

Low energy consumption

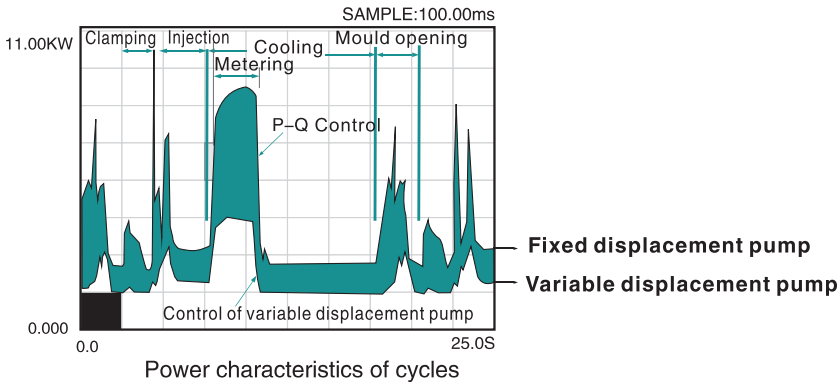
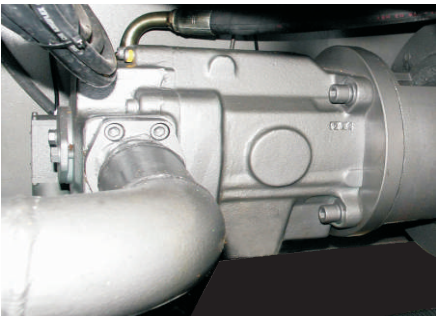
The key difference between the variable displacement pump and the fixed-displacement pump is the output power.

The output power of the variable displacement pump varies with the load. The output power of the fixed-displacement pump is relatively constant.

In the case of small flow, the output power of variable displacement pump is very low, while the output power of fixed-displacement pump is basically constant.

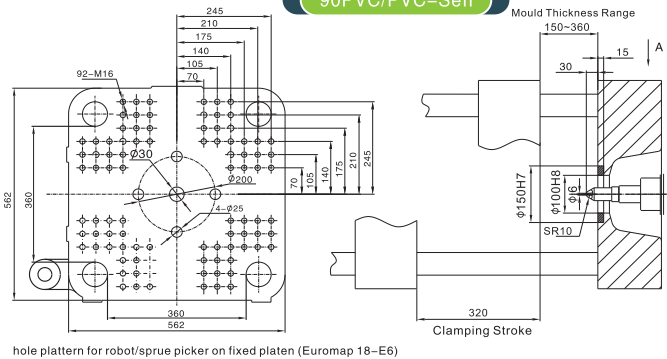
With the use of variable displacement pumps, an electricity saving effect can be up to 50% on average, especially in the process of injection, metering and cooling.

An obvious electricity saving effect appears for production of thick-wall or large products of long injection and holding time.

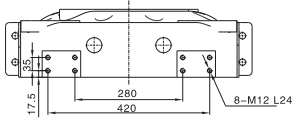


Platen/Nozzle Dimensions

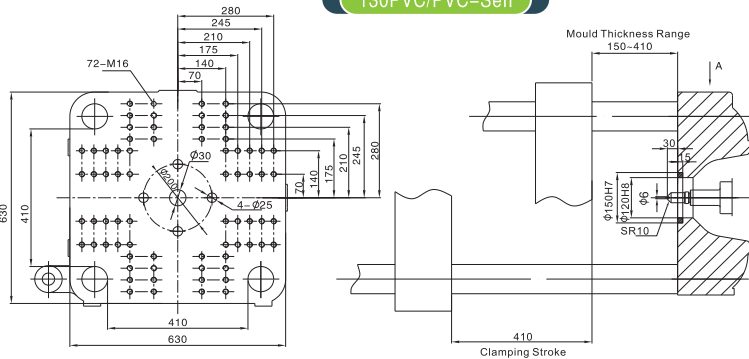
90PVC/PVC-Sell



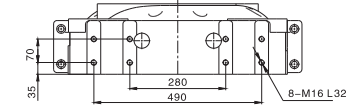
hole pattern for robot/sprue picker on fixed platen (Euomap 18-E6)



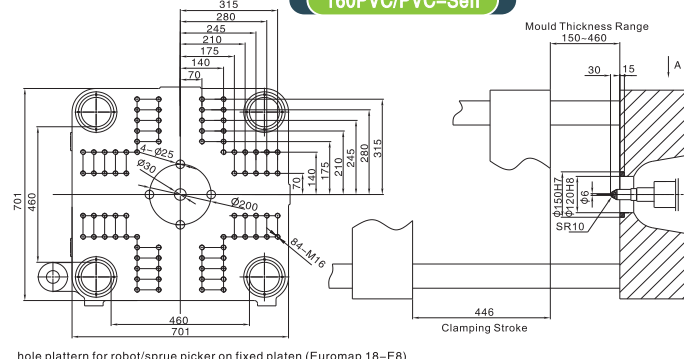
130PVC/PVC-Sell



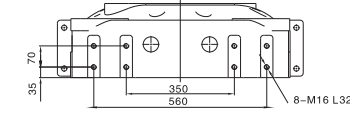
hole pattern for robot/sprue picker on fixed platen (Euomap 18-E7)



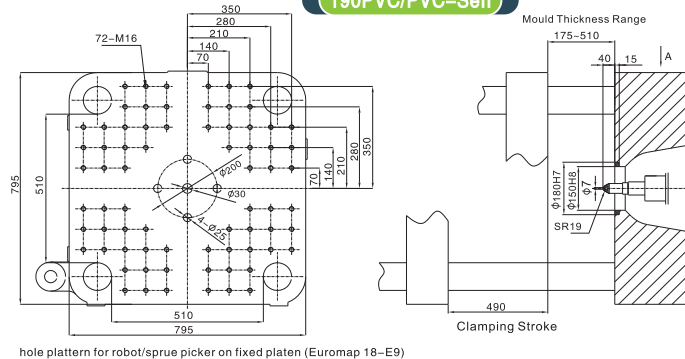
160PVC/PVC-Sell



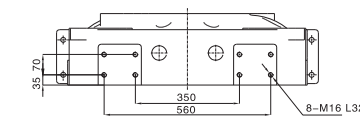
hole pattern for robot/sprue picker on fixed platen (Euomap 18-E8)



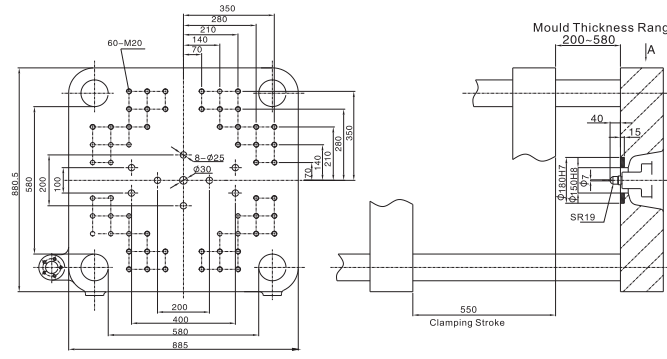
190PVC/PVC-Sell



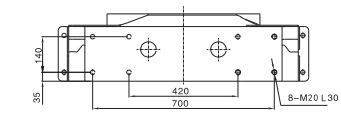
hole pattern for robot/sprue picker on fixed platen (Euomap 18-E9)



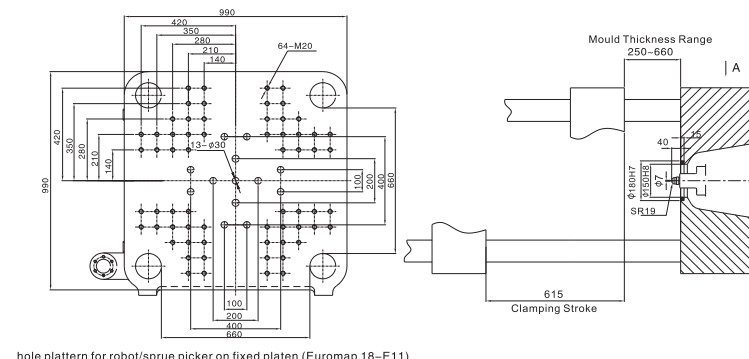
260PVC/PVC-Sell



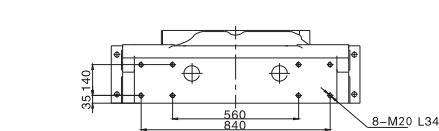
hole pattern for robot/sprue picker on fixed platen (Euomap 18-E10)



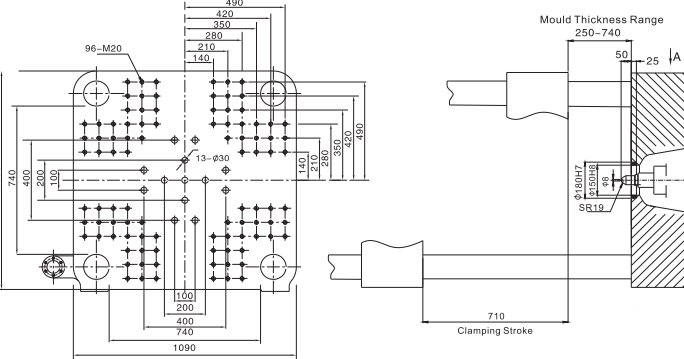
320PVC/PVC-Sell



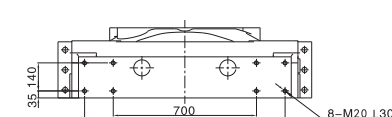
hole pattern for robot/sprue picker on fixed platen (Euomap 18-E11)



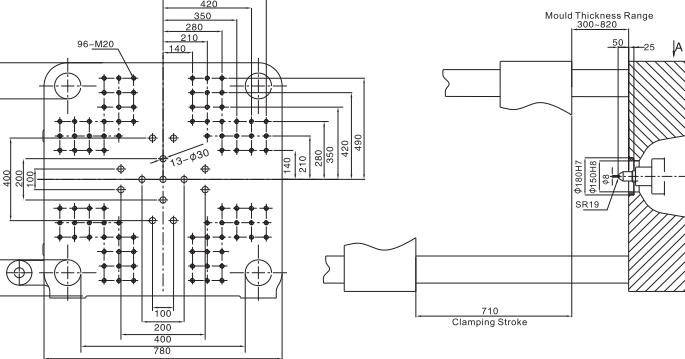
380PVC/PVC-Sell



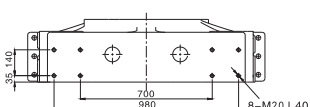
hole pattern for robot/sprue picker on fixed platen (Euomap 18-E12)



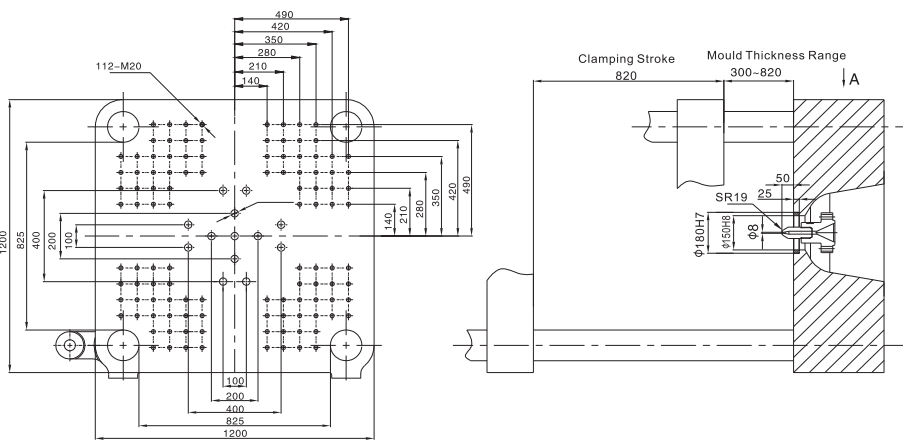
450PVC/PVC-Sell



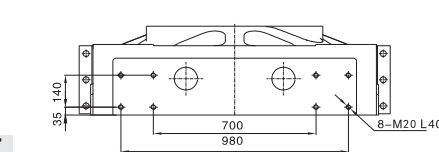
hole pattern for robot/sprue picker on fixed platen (Euomap 18-E13)



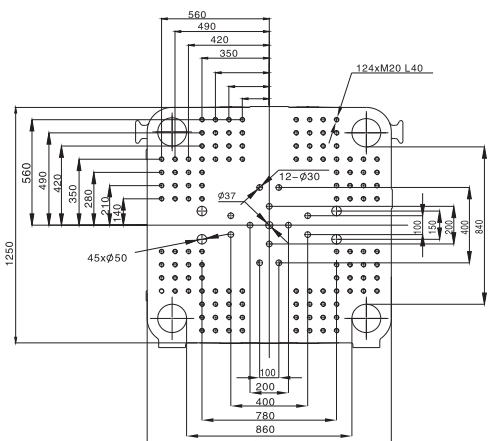
500PVC/PVC-Sell



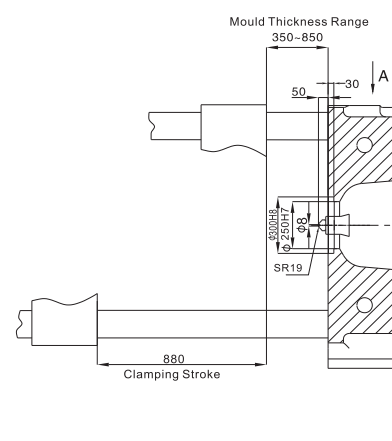
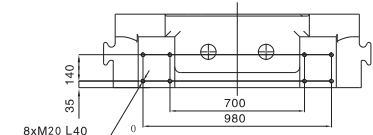
hole pattern for robot/sprue picker on fixed platen (Euomap 18-E13)



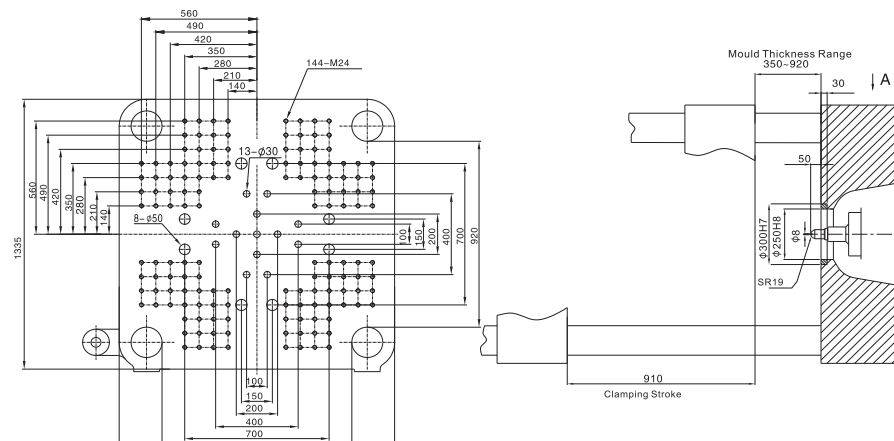
560PVC/PVC-Sell



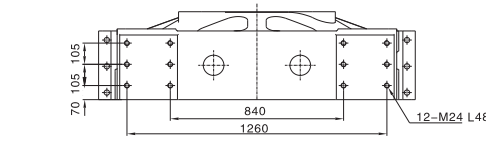
hole pattern for robot/sprue picker on fixed platen (Euomap 18-E13)



660PVC/PVC-Sell

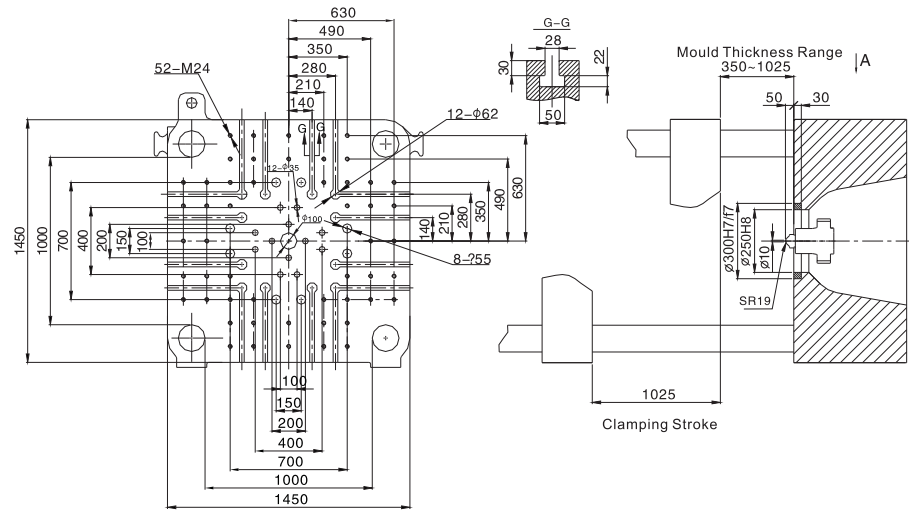


hole pattern for robot/sprue picker on fixed platen (Euomap 18-E15)

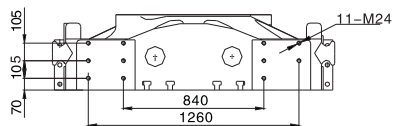


Platen/Nozzle Dimensions

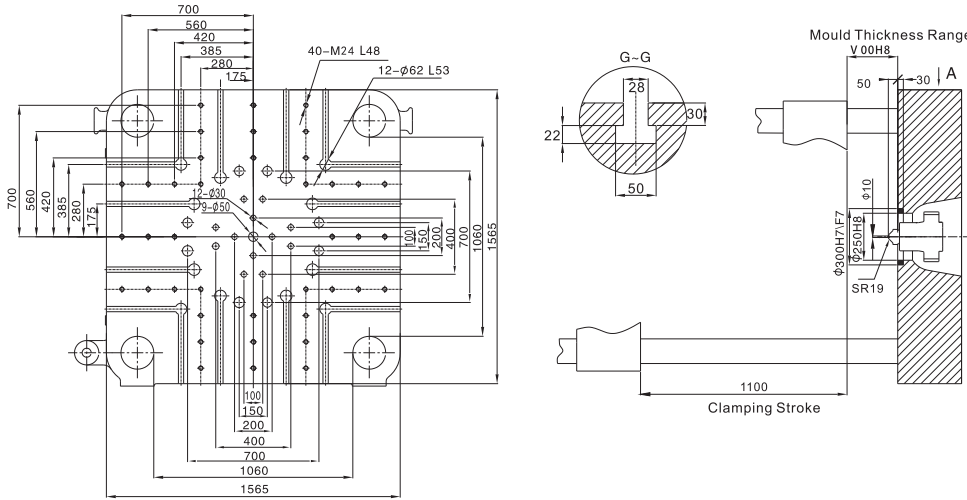
750PVC/PVC-Sell



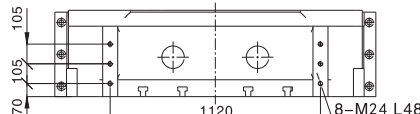
hole pattern for robot/sprue picker on fixed platen (Euromap 18-E15)



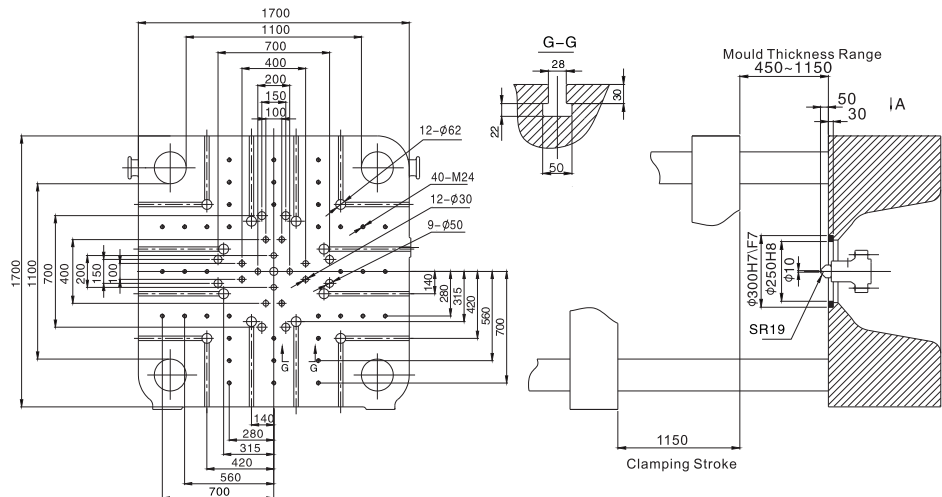
850PVC/PVC-Sell



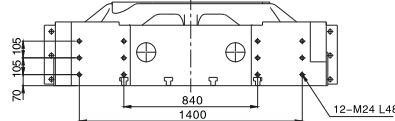
hole pattern for robot/sprue picker on fixed platen (Euromap 18-E15)



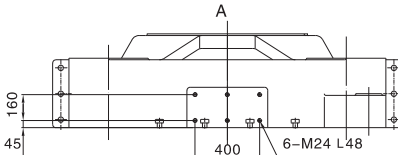
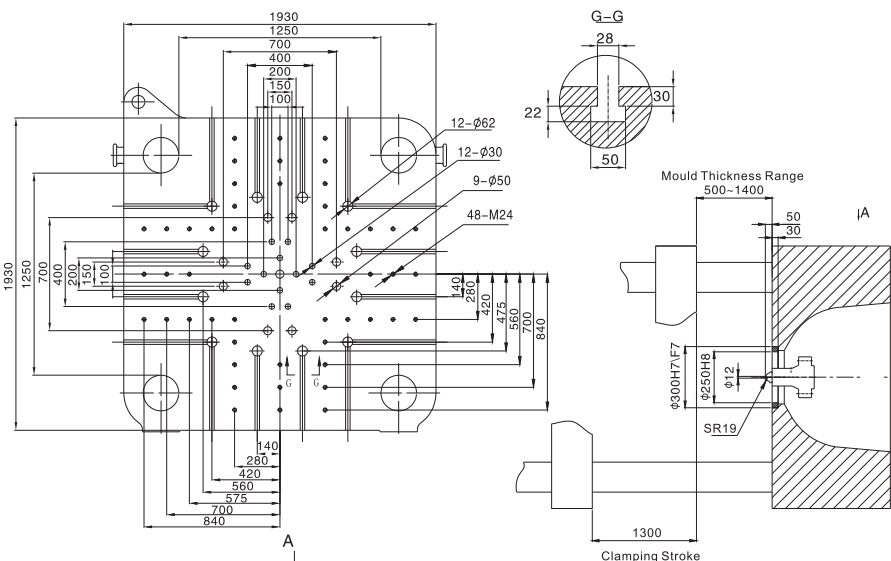
1000PVC/PVC-Sell



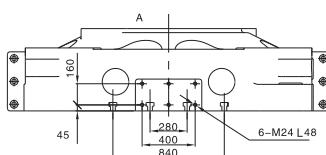
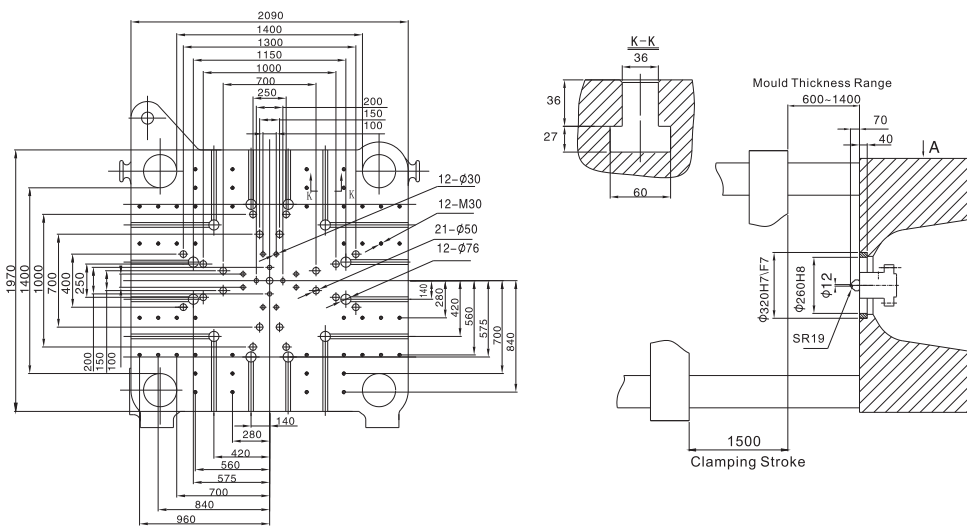
hole pattern for robot/sprue picker on fixed platen (Euromap 18-E16)



1250PVC/PVC-Sell



1500PVC/PVC-Sell



1800PVC/PVC-Sell

