

## External gear pump performance chart

Note that many intervening sizes of pump can be created by varying gear length, profile and speed.

For Gear Range Pumps below flow rates in litres per minute assuming 3.5 barg. For GP Style refer to technical product leaflet.

Pump frame size	95% of theoretical output litres per rev	5 centistokes		15 centistokes		125 centistokes	2000 centistokes	25000 centistokes
		2800 rpm	1450 rpm	2800 rpm	1450 rpm	1450 rpm	850 rpm	100 rpm
AP020								
AP030				Use N Style pumps				
AP035								
AP040	0.0194	-----	25.70	-----	26.30	27.70	16.40	2.09
AP050	0.0310	-----	40.90	-----	41.80	44.00	26.40	3.02
AP060	0.0434	107.80	59.10	110.00	60.40	63.60	38.20	5.90
AP070	0.0687	165.50	90.70	170.00	92.80	97.70	58.60	9.10
AP080	0.108	269.50	147.70	275.50	151.00	159.00	95.50	13.60
AP090	0.162	389.00	213.60	398.00	218.50	230.00	138.00	18.20
AP100	0.195	-----	257.00	-----	263.00	277.00	171.40	22.70
AP110	0.273	-----	360.50	-----	368.60	388.00	235.00	27.00
AP115	0.351	-----	462.00	-----	473.00	498.00	300.00	35.90
AP120	0.486	-----	628.00	-----	642.00	676.00	-----	-----
AP130	0.729	-----	962.00	-----	984.00	1036.00	-----	-----
AP135	1.03	-----	1354.00	-----	1385.00	1458.00	-----	-----
AP140	1.2	-----	1531.00	-----	1565.00	1648.00	-----	-----
HD030	0.273	-----	363.00	L/min	371.50	391.00	236.40	27.30
HD040	0.386	-----	506.00	-----	517.00	545.00	336.40	40.00
HD050	0.491	-----	650.00	-----	665.00	700.00	418.00	50.00
HD060	0.66	-----	868.00	-----	888.00	935.00	559.00	66.00
HD070	0.805	-----	1062.00	-----	1086.00	1144.00	682.00	81.80
HD080	1	-----	1312.00	-----	1342.00	1413.00	864.00	100.00
HD100	1.32	-----	-----	-----	-----	1883.00	1150.00	132.00
HD110	1.75	-----	-----	-----	-----	2661.00	1761.00	183.00
HD120	3	-----	-----	-----	-----	3872.00	2319.00	227.00
HD140	5	-----	-----	-----	-----	-----	3864.00	445.00
<b>N Style</b>								
25375	0.0033	-----	4.80	-----	4.83	4.90	2.93	-----
25750	0.0068	-----	10.00	-----	10.00	10.10	6.05	-----
25150	0.0135	-----	20.40	-----	20.43	20.50	12.07	-----
25200	0.0176	-----	27.30	-----	27.37	27.50	16.46	-----
40130	0.0310	-----	43.00	-----	43.80	45.00	26.92	-----
40175	0.0413	-----	57.00	-----	58.00	60.00	35.90	-----
40275	0.0650	-----	90.00	-----	92.30	95.00	57.90	-----
56225	0.108	-----	147.00	-----	148.00	150.00	90.00	10.50
56325	0.156	-----	211.00	-----	212.00	215.00	128.00	15.00
56450	0.216	-----	294.00	-----	296.00	298.00	177.00	20.80
<b>J Style</b>								
Pump frame size	95% of theoretical output litres per rev	1 centistokes		15 centistokes		125 centistokes	750 centistokes	975 centistokes
		2800 rpm	1450 rpm	2800 rpm	1450 rpm	1450 rpm	960 rpm	720 rpm
JS110	0.0067	-----	5.40	-----	8.10	8.30	4.90	3.15
JS120	0.0113	-----	10.50	-----	14.00	14.75	9.10	6.25
JS130	0.0182	-----	21.00	-----	24.00	24.50	15.50	11.10
JS140	0.0225	-----	23.00	-----	29.00	30.75	19.50	14.00
JS210	0.0256	-----	24.00	-----	30.50	32.50	22.40	16.25
JS220	0.0410	-----	31.00	-----	41.00	45.00	30.60	22.50
JS230	0.0580	-----	43.00	-----	60.00	65.00	44.60	32.50
JS240	0.0615	-----	50.00	-----	70.00	78.25	53.75	39.10