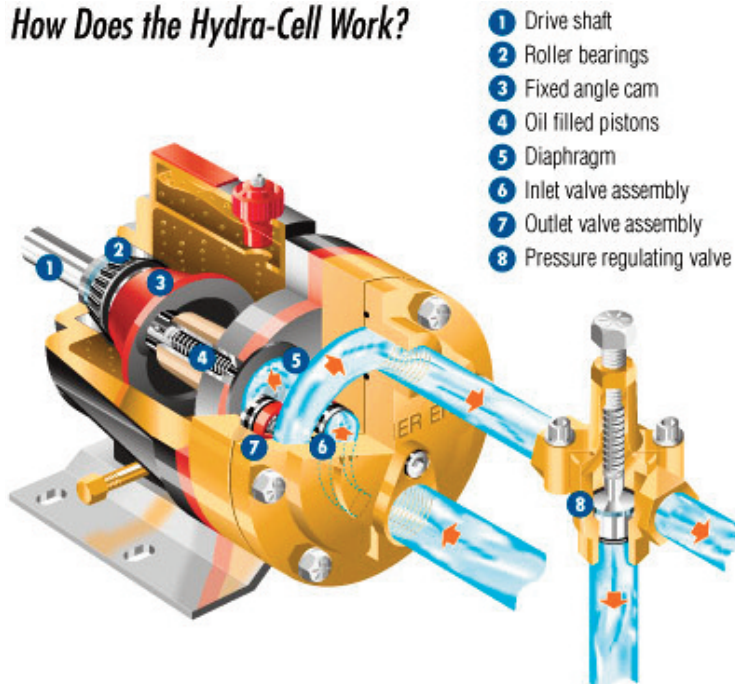


How Does the Hydra-Cell Work?

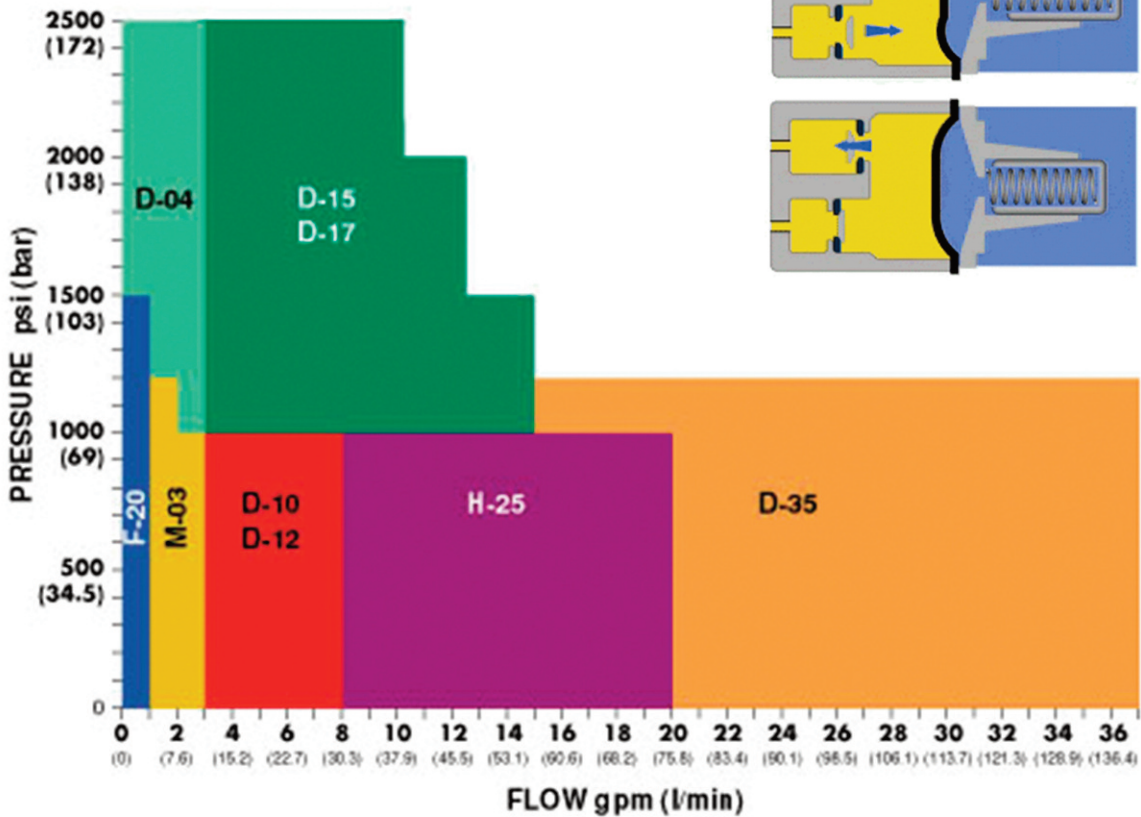


Wanner Hydra-Cell

Overview

Selection of the pump is based on flow requirements, followed by pressure requirement. The pump initially must be considered as a glandless, sealess pump which is capable of pumping a wide variety of products and handling solids in suspension. In addition to this, it is also capable of developing a wide range of pressure, adding to its uniqueness and versatility, as a solids-handling high pressure pump. Since it is a sealed system it is particularly suitable for food processing as well as corrosive and chemical/abrasive solutions.

Below is a chart showing the approximate capacity of each of the Hydracell pumps.





» High pressure pumps / type G03

Unit	RPM	GPM	L/min	revs / gal	revs / litre
D/G03-X	1750	3.0	11.3	584	155
D/G03-E	1750	2.2	8.3	795	204
D/G03-S	1750	1.8	6.8	972	258
D/G03-B	1750	1.1	4.2	1591	415
D/G03-G	1750	0.5	1.9	3500	906

Maximum Inlet Pressure = 250 PSI (17.3 bar)

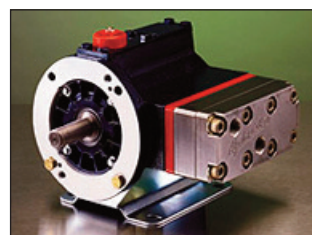
Pressure variable to: Metallic Heads : D/G-03-X = 1000 PSI (70 bar)
D/G-03-S,E,B,G = 1200 PSI (83 bar)
Non-Metallic Heads (all models) = 250 PSI (17 bar)

» High pressure pumps / type G04

Unit	RPM	GPM	L/min
D/G04-X	1750	2.9	11.0
D/G04-E	1750	2.1	7.8
D/G04-S	1750	1.6	6.1
Delivery at rated pressure (revs/gal)	PSI 500	PSI 1500	PSI 2500
D/G04-X	565	583	603
D/G04-E	761	795	833
D/G04-S	921	972	1093
Delivery at rated pressure (revs/litre)	bar 34.5	bar 103.5	bar 172
D/G04-X	149	154	159
D/G04-E	201	211	224
D/G04-S	244	257	287

Maximum Inlet Pressure = 500 PSI (35 bar)

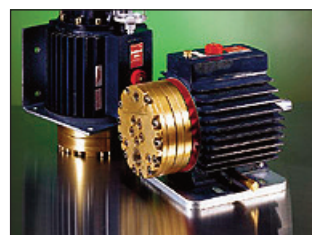
Pressure Variable to 2500 PSI (170 bar)





» High pressure pumps / type G10

Unit	RPM	GPM	L/min	revs / gal	revs / litre
D/G10-X	1450	7.8	29.0	185	50
D/G10-E	1750	8.0	30.3	219	58
D/G10-S	1750	6.0	22.7	292	77
D/G10-I	1750	3.9	15.1	448	117
Maximum Inlet Pressure = 250 PSI (17.3 bar)					
Pressure variable to: Metallic Heads = 1000 PSI (70 bar) 250 PSI (17 bar) Non-Metallic Heads (all models) = 250 PSI (17 bar)					



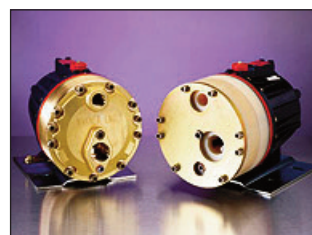
» High pressure pumps / type G15

Unit	PSI	bar	RPM	GPM	L/min	revs/gal	revs/litr
D/G 15/17-X	1000	70	1450	13.4	50	109	28.8
	1500	100	1450	13.0	48	112	29.6
	2000	140	1450	12.7	48	114	30.2
	2500	170	1150	10.3	39	112	29.6
D/G 15/17-E	1000	70	1750	15.1	57	116	30.6
	1500	100	1750	14.1	53	124	32.8
	2000	140	1450	11.5	44	126	33.3
	2500	170	1150	9.4	35	122	32.2
Maximum Inlet Pressure = 500 PSI (35 bar)							
Pressure variable to: 2500 PSI (170 bar) at 1200 rpm 2000 PSI (140 bar) at 1450 rpm							



» High pressure pumps / type G20

Unit	RPM	GPM	L/min	revs / gal	revs / litre
F/G20-X	1750	1.0	3.79	1823	500
F/G20-E	1750	0.73	2.76	2397	659
F/G20-S	1750	0.55	2.08	3182	906
F/G20-B	1750	0.33	1.25	5303	1400
F/G20-G	1750	0.20	0.76	8750	2302
Maximum Inlet Pressure = 100 PSI (7 bar)					
Pressure variable to: Metallic Heads: 1000 PSI (70 bar) Non-Metallic Heads: 250 PSI (17.3 bar)					



» High pressure pumps / type G25

Unit	RPM	GPM	L/min	revs / gal	revs / litre
H/G25-X	1050	20.0	76	52	14
H/G25-E	1150	20.2	77	57	15
H/G25-S	1150	15.6	59	74	19
H/G25-I	1150	11.6	44	99	26
Maximum Inlet Pressure: Metallic 250 PSI (17 bar) Non-Metallic 50 PSI (3.5 bar)					
Pressure Variable to: Metallic: 1000 PSI (70 bar) Non-Metallic: 250 PSI (17 bar)					



» High pressure pumps / type G35

Unit	RPM	GPM	L/min	revs / gal	revs / litre
D/G35-X	1050	36.5	138	29	7.7
D/G35-E	1150	34.5	131	33	8.8
Maximum Inlet Pressure = 250 PSI (17 bar)					
Pressure Variable to 1200 PSI (83 bar)					

Wanner Hydra-Cell



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