



FLOW RATE TABLE:

Model	Maximum Pressure	Maximum Flow Rate	Cylinder Barrel Volume (a)	Minimum Flow Rate (b)	Options (c)	Description / Special Notes
QX Series (d)						
QX500	500 psi 34 bar	500 ml/min 30 l/hr	116 ml	0.100 ml/min	SS or HC	Excellent flow rate accuracy & pressure capability High flow packages for slurries and pastes
QX1500	1,500 psi 103 bar	200 ml/min 12 l/hr	49 ml	0.050 ml/min	Standard flow valves High flow valves	
QX6000	6,000 psi 413 bar	50 ml/min 3 l/hr	12.3 ml	0.001 ml/min		
QX20K	20,000 psi 1,379 bar	7.5 ml/min 450 ml/hr	5.0 ml	0.00015 ml/min		
Q5000 Series						
Q-5000-2.5K	2,500 psi 173 bar	60 ml/min 3,600 ml/hr	37 ml	0.000186 ml/min 186 nanoliters/min	SS or HC	
Q-5000-5K	5,000 psi 345 bar	30 ml/min 1,800 ml/hr	21 ml	0.000105 ml/min 105 nanoliters/min	HT	
Q-5000-L-7.5K (e)	7,500 psi 517 bar	7.5 ml/min 450 ml/hr			0.0000042 ml/min 4.2 nanoliters/min	HC or HT
Q-5000-10K	10,000 psi 689 bar	15 ml/min 900 ml/hr	9.3 ml	0.000018 ml/min 18 nanoliters/min	SS or HC HT	Similar to the Q5000-10K but for extremely low flow rates and finer flow rate resolution applications.
Q-5000-L-10K (e)		5 ml/min 300 l/hr		0.0000018 ml/min 1.8 nanoliters/min		
Q-5000-20K	20,000 psi 1,379 bar	7.5 ml/min 450 ml/hr	5.2 ml	0.0001 ml/min 10 nanoliters/min	HC, I725, HT	
Q6000 Series						
Q-6000-5K	5,000 psi 345 bar	400 ml/min 24,000 ml/hr	550 ml	0.001 ml/min 1,000 nanoliters/min	SS or HC HT	High flow, large volume pumps for liquids, slurries and gases
Q-6000-10K	10,000 psi 689 bar	200 ml/min 12,000 ml/hr	275 ml	0.0005 ml/min 500 nanoliters/min		
Q-6000-20K	20,000 psi 1,379 bar	80 ml/min 4,800 ml/hr	125 ml	0.00025 ml/min 250 nanoliters/min	HC, I725, A286, HT	
Notes:						
(a) This is the typical volume pumped in a single piston stroke in the cylinder barrel is full.						
(b) Minimum flow rate possible with pulse-free operation. Additional options required for low flow applications.						
(c) Options: SS, HC, I725, A286 : Wetted parts may be ordered in Stainless Steel (SS-316) or Hastelloy (C-276), Inconel-725 or A286 Stainless.						
HT: Pumps are available with high temperature option for 165°C/285°C; some HT options are limited to specific pump models.						
(d) QX Series models are not sold as separate cylinders. Two cylinders are included in each QX Series pump system.						
(e) Q5000-L models have a low speed motor and use a different ball screw and gear ratio. As shown by their volume resolution, these models are for extremely low flow rates. Custom pumps and configurations are available for many models; contact your Chandler Sales Specialist for details.						