

Flow vs velocity for Logstor Pex-Flex pipes

Nominal pipe size		Carrier pipe OD		Carrier pipe ID		Flow if velocity is 1.22 m/s (4 ft/s)		Pressure loss	Flow if velocity is 1.52 m/s (5 ft/s)		Pressure loss	Flow if velocity is 2 m/s (6.6 ft/s)		Pressure loss
mm	inches	mm	inches	mm	inches	l/s	USGPM	psi/100ft	l/s	USGPM	psi/100ft	l/s	USGPM	psi/100ft
20	0.5	20	0.79	16	0.63	0.25	3.89	4.9	0.31	4.84	5.40	0.40	6.37	11.70
25	0.75	25	0.98	20	0.79	0.38	6.08	3.7	0.48	7.57	5.20	0.63	9.96	8.90
32	1	32	1.26	26.2	1.03	0.66	10.43	2.5	0.82	12.99	3.80	1.08	17.09	6.20
40	1.25	40	1.57	32.6	1.28	1.02	16.14	2.0	1.27	20.11	3.20	1.67	26.46	4.50
50	1.5	50	1.97	40.8	1.61	1.60	25.28	1.5	1.99	31.50	2.20	2.61	41.45	3.80
63	2	63	2.48	51.4	2.02	2.53	40.13	1.1	3.15	49.99	1.70	4.15	65.78	2.80
75	2.5	75	2.95	61.2	2.41	3.59	56.89	0.9	4.47	70.88	1.40	5.88	93.26	2.20
90	3	90	3.54	73.6	2.90	5.19	82.27	0.7	6.47	102.51	1.10	8.51	134.88	1.80
110	4	110	4.33	90	3.54	7.76	123.02	0.6	9.67	153.28	0.90	12.72	201.68	1.40

Maximum recommended velocity to avoid couplings erosion = 2 m/s (6.6 ft/s)

