



# Dell'Orto Fuel Needle Valves



For gravity feed fuel systems, the table below shows which needle valve sizes should be considered for a range of main jet sizes. In general, the needle valve should be around 30% larger than the main jet size. Care should be taken not to use a needle valve that is too big. This can lead to flooding of the carburettor. It is advisable to fit a small translucent catch tank to the breather tubes of the carburettor. This gives an easy visual of flooding with fuel being retained in the tank that has been forced out of the breather tubes.

Pumped (pressurised) systems can use a needle valve **smaller** than the main jet size. However care should be taken in selection that fuel starvation does not result.

Main Jet Size	Needle Valve Value @30%	Recommended Fuel Needle Valve	Dell'Orto Needle Valve Sizes
135	1.76	200	150
136	1.77	200	170
137	1.78	200	200
138	1.79	200	225
139	1.81	200	250
140	1.82	200	270
142	1.85	200	300
145	1.89	225	350
148	1.92	225	400
150	1.95	225	
152	1.98	225	
155	2.02	225	
158	2.05	225	
160	2.08	225	
162	2.11	225	
165	2.15	225	
168	2.18	225	
170	2.21	250	
172	2.24	250	
175	2.28	250	
178	2.31	250	
180	2.34	250	
182	2.37	250	
185	2.41	250	
188	2.44	250	
190	2.47	270	
192	2.50	270	
195	2.54	270	
198	2.57	270	
200	2.60	270	