

# BV50 and Q/QR BOV Spring Pressure Chart

SPRING PRESSURE (PSI)	USE IF VACUUM AT IDLE IS BETWEEN:	ASSEMBLY DESIGNATION	SPRING COLOR (UP TO 1/15/2012)	SPRING COLOR (1/16/2012 AND ON)
-12.00	-21in/hg to -23in/hg	Q	N/A	BROWN
-12.00	-21in/hg to -23in/hg	BV 50MM	DARK PINK	YELLOW
-11.00	-20in/hg to -21in/hg	Q	DARK PINK	YELLOW
-11.00	-18in/hg to -20in/hg	BV 50MM	PLAIN	PLAIN
-10.00	-16in/hg to -19in/hg	Q	PLAIN	PLAIN
-9.00	-14in/hg to -17in/hg	BV 50MM	WHITE	WHITE
-8.00	-12in/hg to -15in/hg	Q	WHITE	WHITE
-7.00	-8in/hg to -13in/hg	BV 50MM	BLACK	BLACK
-6.00	-8in/hg to -11in/hg	Q	BLACK	BLACK
-3.00 (SUPERCHARGER)	SUPERCHARGER ONLY	BV 50MM	HOT PINK	GREEN
-2.00 (SUPERCHARGER)	SUPERCHARGER ONLY	Q	HOT PINK	GREEN

- \* The BV50 and the Q/QR use the same springs. The spring is a bit more compressed in the BV50 which is why the spring rating is one PSI higher.
- \* The supercharger spring is specifically for supercharged cars only. If you have a quick spooling turbo it can actually push the valve open briefly before the charge gets to the manifold; dumping boost.
- \* TiAL BOV's need a 1/4" inner diameter DIRECT source to the manifold. Smaller lines and T's can cause delays in response time.
- \* SPRING PRESSURES HAVE NOTHING TO DO WITH BOOST; ONLY VACUUM.



**BV 50**



**Q**