Operating Air Pressure (70-115 PSI)

This Atlas® air/hydraulic rolling jack is designed and engineered to operate on "delivered" air pressure of between **70-115 PSI**. If the delivered air pressure exceeds **115 PSI**, then the rolling jack may be capable of lifting more than its rated capacity… HOWEVER, the metal structure and component parts of the Atlas® rolling jack are rated to lift ONLY its rated capacity, so structural damage may result from exceeding that capacity.

IE:
Our Atlas® two post and four post lifts will actually lift and support more than their rated capacity. To prevent you (the curious customer) from trying to lift a vehicle (load) that exceeds the rated capacity of the lift, the power unit pumps (hydraulic pressure limit valve) are adjusted to deliver "only so much" hydraulic pressure. That "delivered hydraulic pressure" will allow your lift to raise only the rated capacity of the above ground lift. The power unit is electric/hydraulic. The power supply needed is normally 110V or 220V. Since the "electric power pressure" cannot be controlled, the hydraulic pressure limit valve (which can be controlled) is set to deliver the correct amount of pressure.

An air/hydraulic power unit operates on compressed air. The "limit valve" on the air hydraulic power unit is really just the supplied air pressure (PSI). The PSI of the air supply must be regulated to between **70 to 115 PSI**. Supplied air pressure greater than **115 PSI** may (inadvertently) cause damage to the rolling jack.

Example:
Customer sets the air pressure at 115 PSI and the Atlas® rolling jack lifts its rated capacity as advertised. However, the customer would like to increase the lifting speed of the rolling jack, so he decides to increase the air pressure to the air/hydraulic pump. NEVER ADJUST AIR PRESSURE TO EXCEED 115 PSI as this could cause damage to the air/hydraulic power unit.

Yes, the rolling jack lifting points may go up a little faster (increased air pressure) and as long as the customer never tries to lift any object over its rated capacity (assuming the weight is evenly distributed over the lifting surface), there will PROBABLY not be an issue (air pressure not to exceed 115 PSI). However, what if the customer (accidently) tries to lift a vehicle (or part of a vehicle) that is OVER the capacity limit with the increased air pressure setting? The jack may lift the increased weight, BUT there is a possibility of damage to the rolling jack. The best advice is to keep the air pressure at the factory's recommended setting.