

QTIS-PBA Pressure Booster Assembly

Optimise your pneumatic performance during inflating

Deflating your tyres is quickly done when you are using the QTIS-WVA Wheel valve assembly. Higher compressor capacity and higher filling pressure will reduce your waiting times during inflating drastically however, as well as a flow-optimised piping lay-out.

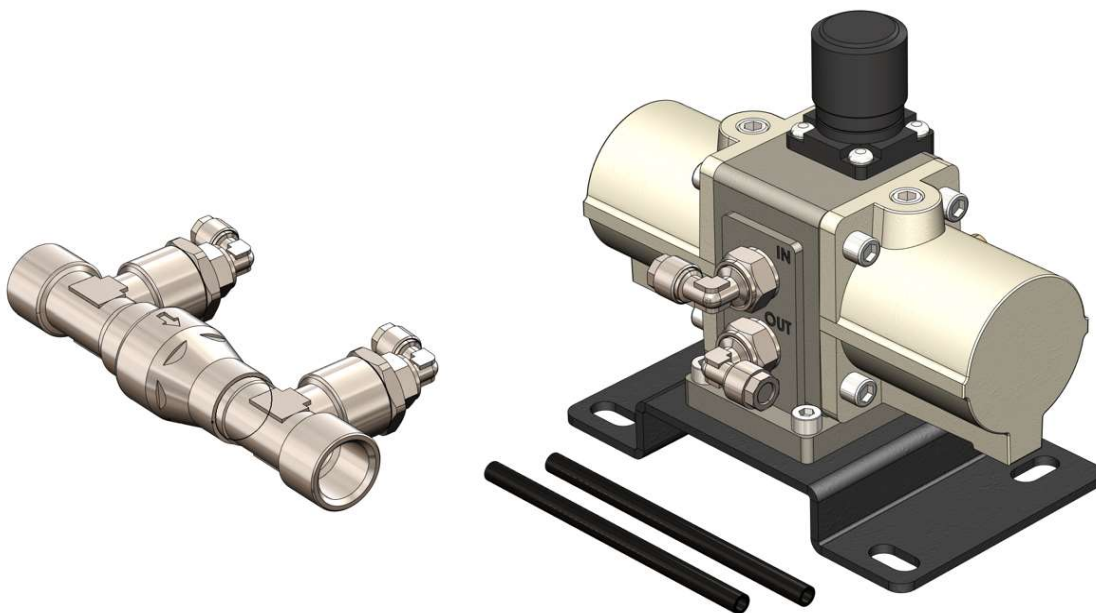
Smaller pipe diameters, longer tubing lengths, and many bends in the route between the TWV Three way valve and the tyre might cost you up to 15-20 seconds inflation time depending on the tyres and piping lay-out. This time-loss could easily be won back when you inflate the tyres with a higher compressed air pressure and sufficient air-flow. If you increase the filling pressure from 4 bar to 6 bar you could save 15-20 seconds. So optimise your pneumatic lay out with our support to save time inflating the tyres.

Wheel valve might require higher switching pressure

If you use higher compressed air pressures (up to 6,5 bars) to save tyre inflating time, you must realise that you will switch over the standard Wheel Valve to the exhaust position. To prevent this we can supply you with a Wheel Valve suited for these higher compressed air pressures (QTIS-WVAHP). In that case the switch-over pressure to make the wheel valve exhaust your tyre will be shifting to pressures as high as 9 to 10 bar.

To optimise the compressor air production in the medium pressure range and maximum output, we can help you to boost the compressed air to the maximum pressure of 10 bar to fill a small volume (20 – 25 l.) of air which will be used for switching over the wheel valves. Combining the 20 L tank volume, and the piping volume when the Three Way Valves are switched will always result in the high pressure switching impulse the wheel valves require.

The Booster assembly QTIS-PB230



The booster assembly QTIS-PB230 consists of a piping manifold with a non-return valve, pneumatic tubing and the booster pump. It can double the pressure of the air supply and produces a maximum of 230 L/min at low counterpressure.

The booster and its small volume high pressure storage tank, is to be mounted between the compressor with optional compressed air dryer and its large volume storage tank and the QTIS-DPVBA, the valve block which connects the compressed air to the wheels