

PNR 3P - 1/3rd Scale Narrow Gauge Progressive Brake Valve with Lap Operational Instructions

The PNP Railways brake valve is designed to allow prototypical control of vacuum brakes.

- In the OFF position the braking system is under vacuum and the brakes should release. This is the position the lever should be left in for normal running.
- As the operating lever is moved towards the LAP position the vacuum is progressively cut off and the brakes will stay OFF if the lever is left in the LAP position when the operating lever is progressively moved from the LAP position to the ON position air will be gradually allowed into the system and the brakes will progressively be applied. Should a partial brake application be required the lever should be moved back to LAP position and the partial application will be held at the level set.
- Should the application require increasing the lever can be moved towards the ON and back to LAP; similarly moving the lever towards OFF and back to LAP will lessen the application.



Brakes Off (Running) Position

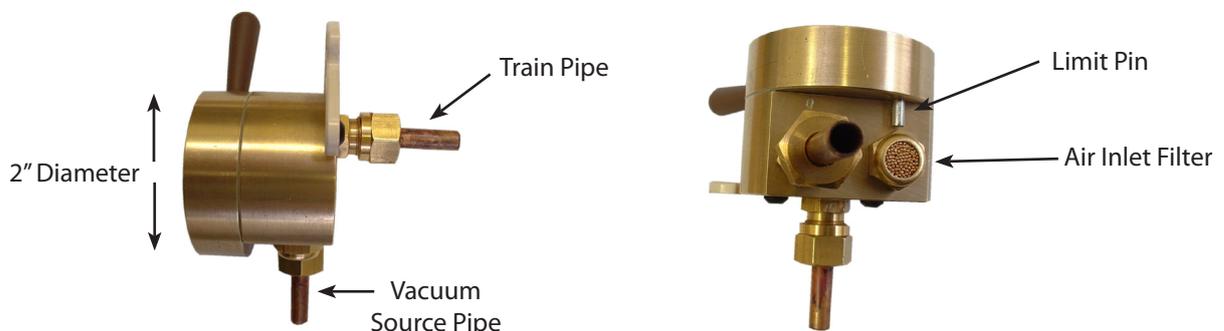


LAP Position



Brakes ON Position

- The valve can be mounted vertically or horizontally by means of mounting holes on the back of the valve, far enough away from any heat source, which could effect the operating handle or legend plate.
- The valve comes complete with all fittings suitable to accept 1/4" diameter pipe, plus a filter on the air inlet port to protect the system from the ingress of foreign matter. A non-return valve from our range can be fitted on the ejector line if considered necessary. Three x 4mm bolts for fixing are supplied and a legend plate which locates between the bulkhead - back plate fixing and the valve. Please refer to the following diagram.



- The valve has pilot porting to aid smooth control and incorporates a sprung loaded detent to lightly locate LAP and primary positions. Full OFF and ON positions are controlled by a limit pin. The working faces of the valve are pressure pre-loaded by a disc spring, thus ensuring an airtight seal.