

Check and filling of braking systems for industrial vehicles



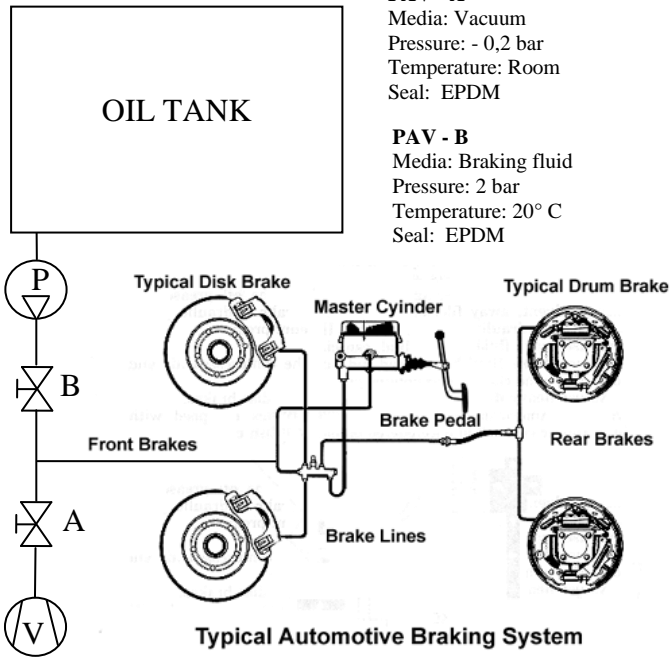
The unit is installed in car manufacturing factories where braking system are tested before new cars are sold.

The unit carries out a dry cycle followed by a filling cycle. It automatically checks the system for even very small leakages and fills the fluid risk-free.

The braking fluid is an oil with special properties capable to withstand high temperatures without boiling.

PLANT DESIGN

APPLICATION



1st Stage – Test with vacuum

The unit is connected to the braking system. When the vacuum pump (V) is started, valve (A) opens and creates a -0,2 bar depression inside the empty circuit. This stage is needed to dry test the braking system in case of leakages and prevent air bubbles from forming during filling operations.

2nd Stage - Filling

Once testing has been completed, valve (A) closes, whereas valve B opens and controls the braking fluid at room temperature from the tank. Pump (P) sends the fluid into the braking circuit at 2 bar pressure

SOLUTION



TYPE BSC207SXY34 / SXS code 75883738294

- Normally Closed Bi-Directional S/S PAV
- Body Actuator Ø63 – **Special Clamp** Connection DN25
- Flow Direction over / under seat
- Pilot Pressure over seat min. 6 bar
- Pilot Pressure under seat 3,8 bar
- Pilot Pressure max 10 bar
- Working Pressure 0-16 bar
- Seal Material **EPDM**