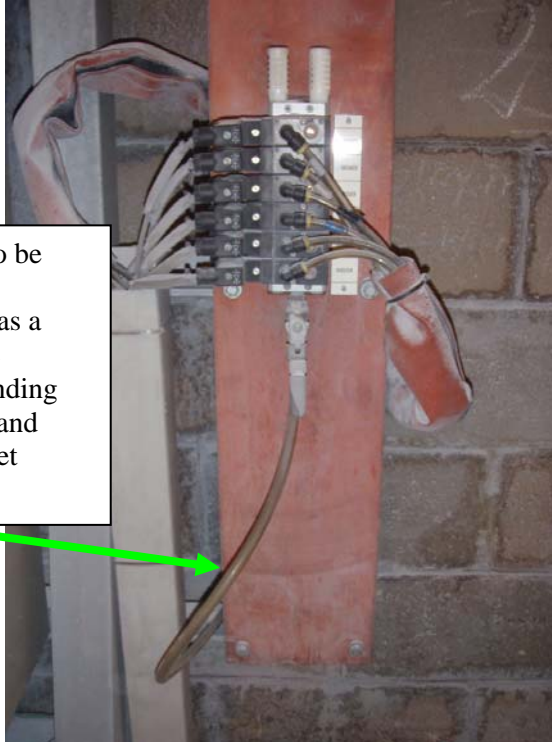


Application: 12mm Black Nylon tubing for Potlines

Product Group: Hose, fitting and tubing

12mm supply line - poly air tube to be replaced with black nylon tube. This line is constantly pressurised as a supply to the pilot valve bank. The constant pressure, heat and surrounding gases cause the poly tube to swell and eventually burst. Nylon does not get affected in this environment.



Summary: A customer did an upgrade a few years ago on their potlines (3). The hose supplier used clear tubing, which over a short period of time needed replacing. They have 3 potlines – 2 @ 1km long each and 1 @ 900m long. The pilot valves on the wall operate feeder valves on the alumina hoppers to deliver measured amounts of alumina into the pots. There are 120 pots per pot line. The tube supplies the air to the valves.

Solution: Custom Fluidpower supplied 12mm black nylon tubing – which is the correct tube to use in that application. We had a deadline of 3 hours – the customer could not source this tube anywhere in the local area, and the Maintenance Manager in the Potline section was going to get in his car and drive around searching for it. We received a phone call and found, ordered and delivered the hose to the customer who only experienced 3 hours downtime.