



ITT

Neo-Dyn®

Neo-Dyn 123P Switches Monitoring Water Jet Equipment

A leading company and OEM that manufactures water jet cutting equipment and assessors uses approximately 50 ITT Neo-Dyn 123P54C6M's per year.

The application is for monitoring safe operating conditions on their water jet road construction equipment. Although generally used between 60 and 120 degrees ambient water flow temperatures, they sometimes are operated in the northern climates and may be exposed to freezing conditions. After using a competitor's switch and having problems with freezing and response time, they decided to try ITT Neo-Dyn.

The 123P has a flat faced process exposure that allows the water to drain off in all weather conditions. This design solved the freezing problem inherent in the competitors conventional connection.

The other major considerations to change suppliers included:

- Improved reaction time if the pump was starved of inlet pressure. The Belleville design with the snap action provided the quick response which has reduced the excessive pump damage that was occurring.
- The Belleville spring also provides vibration immunity for this difficult application.

