

POWERLOKTM ACTUATED NEEDLE VALVE - HIGH OPERATION CYCLE APPLICATION



INDUSTRY

Process Automation Industry

CUSTOMER

One of the leading manufacturer's of Brake System units for Commercial and Consumer Vehicles.

BACKGROUND

One of the leading manufacturer of Brake Systems used for Commercial and Consumer vehicles. The ever growing need of their business demanded their supply chain to be at par with their vision in terms of reducing production down-time and hence deliverables.

CHALLENGE FACED

The challenge at hand was faced in one of their many Assembly Units in India. The application was highly demanding in terms of performance where they needed a valve to sustain Rapid Cycling operations at 180 bar. The current supplied/used Actuated Needle Valve would not sustain cyclic operations more than 100000 cycles. This meant frequent down-time and pressure drop due to leakage issues during assembly.

OPERATING CONDITION:

Temperature : Ambient
Application : Valve operation at High Cycles at 180 bar pressure.
4 Second Open - 2 Second Close operation cycles
Media : Instrument Air

SOLUTION AND BENEFITS

Thomas & Brian[®] did a test run of Actuated Needle Valve in their R&D unit. The application parameters were replicated in the facility so as to get the exact results which could be expected on field. The valve was tested for a period of close to 30 days for High Cycle Operations at 200 bar. No leakages were found during this stage. The valve has a guaranteed of Service Life of minimum 1000000 cycles (1 million).



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