GLOBAL SERVICE

Norbar is the only torque equipment manufacturer capable of offering tool and instrument calibration services to the original factory standard on four continents.

Accredited laboratories in Australia, USA, Singapore, China and India operate the same equipment and procedures as the UKAS accredited laboratory within our headquarters in the UK.



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NEW

VALVE TESTING SYSTEM UNIVERSAL CYCLE TESTING FOR VALVES





NORBAR'S VALVE TESTING SYSTEM HAS BEEN DESIGNED TO MONITOR AND CONTROL THE OPENING AND CLOSING OF BALL AND GATE VALVES BY MEANS OF TORQUE AND/OR ANGLE MEASUREMENT WITH OPTIONAL PROXIMITY SENSORS FOR ADDED SECURITY WHEN REQUIRED.

TYPICAL APPLICATION

- Testing of Ball Valves requiring cyclical rotation 0 90° / 90 0°, whilst recording Torque vs Angle data
- Testing of Gate Valves / Valve Actuators by opening and closing whilst recording Torque vs Angle / turns data

The test must be remotely controlled from outside of the test chamber, where the test valve is pressurised

The power to rotate the valve can either be supplied via an AC Electric or Pneumatic Motor. This is connected to one of Norbar's tried and tested epicyclic gearboxes. The size of gearbox is dependant of the torque required to operate the valve.

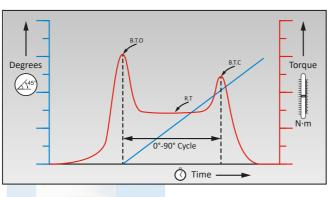
The gearbox is fitted with an Annular Transducer which is used to measure the torque being applied to the valve, this transducer can be fitted with an optional angle encoder to allow for positional control.

Norbar's systems allow differing levels of control from manual to fully automatic with cycling ability.

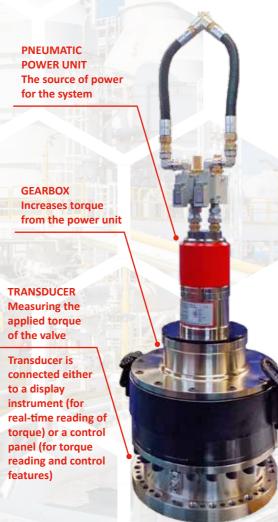
The ability to monitor or record BTO and BTC as well as running torque is present across the range.







This diagram represents what we would expect to occur during a "break to open" to "break to close" cycle of a typical ball valve, with R.T. being the "run torque".





Versions with additional ports and features can be supplied via Norbar's Engineer to Order Service