

TECHTORQUE NEWS

**Volume 4
Issue 2**



Welcome to the second issue of Techtorque for 2007. Your feedback about our newsletters as well as your suggestions for any particular products or applications that you would like to read about is always welcome. With your input, we will do our best to provide you with informative and relevant reading matter. Please email your comments and requests to our Sales and Marketing Manager, Chris Hoare, at choare@acrodyne.com.au.

J & J Electric Actuators - The Smart Red Box

The J2 Smart Red Box electric actuator offers multi voltage capability, electronic torque limiting, anti condensation heater, local and remote position confirmation and a manual override with safety cut-out switch when activated. Same wiring connections for AC & DC power supplies and with external DIN plug connections, eliminating the need to remove the actuator's cover to connect, the J2 is quick and easy to install.

Acrodyne offers the full range of Mastergear manual and motorised actuators designed for efficient operation of valves.

Designated as series M and MF for the worm gear, these actuators are constructed of cast iron, carbon steel and stainless steel and are available as factory mounted or for field installation for services requiring 100-50000Nm of Torque. These worm gear actuators are installed in the most demanding situations, including the power industry, petrochemical plants, mining etc. Mastergear's "A" range of bevel gear actuators are perfect for any multi turn application requiring accurate, reliable performance. Most commonly used with Gate, Globe and Sluice valves in power plants, petrochemical installation and water and waste treatment facilities

A new range of declutchable actuators are also available in Side and Top Pull models.

Trumbull - Adjustable Chainwheels

Ductile Iron Chainwheels allow for operation of valves in high, hard to reach location by means of a slight pull on the sprocket chain. Universal design allows the chainwheel to be clamped to existing handwheel, or pinned directly to the valve stem.

More information on Trumbull's chainwheels and other products will be available in future publications.

This Editions Character Quality

Hospitality

Cheerfully sharing what is mine

... Considering others.

... Preparing and thinking ahead.

... Making the workplace a positive place to be.



Hospitality starts when we first connect with people.

- Greet people by making eye contact and remembering names.
- Share time, energy and resources rather than protecting your turf.
- Keep it simple ... hospitality is about being generous to others, not trying to impress them.

Why is Hospitality important?

Hospitality has significant impact with clients and customers as it sets the tone of "first impressions" which are foundational for the building of positive business relationships.

More information?

Contact Philip Greenwood at People and Culture

Ph. (03) 9018 7971 www.peopleandculture.com.au Mobile 0411 131 449



It's back to school time

Two of our youngest colleagues Jon and Alex have returned to university this week on a part time basis. Jon is resuming his studies for his Bachelor of Technology (IT & Software Engineering) at Lilydale in the evening and Alex has begun his first year studying International Studies at Deakin and will be away from the office on Tuesdays and Thursdays. All of us at ACRODYNE wish them well in their chosen academic endeavours.

P/P and I/P
Positioners



Electronic
& Smart
Positioners



Limit Switch



Pneumatic accessories
including 316
Stainless Steel



CONTROL VALVE ACCESSORIES



**YOUR FIRST CHOICE
FOR CONTROL VALVE
ACCESSORIES**

speed reducer
motor
driver
sensor
controller

HammonicDrive®

Selecting Pneumatic Actuators

TECHTORQUE
ARTICLE

We have listed out below some basic information requirements when specifying pneumatic actuators and accessories.

This information was also printed in Volume 2 Issue 1, but due to an expanded customer base, staff changes and inquiries we thought it may be useful and informative to reprint it.

ACTUATOR

- Type of valve
- Double acting or Spring return function
- Fail open or fail close
- Available supply pressure
- Valve torque, if possible-Break Torque, Run Torque & Reseat Torque
- Environmental considerations, eg, Temperature, Corrosive atmosphere



LIMIT SWITCH

- Materials of construction
- Number & type of switch contacts
- Visual indication
- Terminal strip points
- Number and size of entries
- Environmental considerations, eg, intrinsically safe, flameproof, temperature, corrosive atmosphere



POSITIONER

- Pneumatic or electro-pneumatic
- Materials of construction
- Feedback signals, Limit switch / 4-20mA dc or a combination of both
- Environmental considerations, eg, intrinsically safe, flameproof, temperature, corrosive atmosphere, poor air quality etc.



SOLENOID VALVE

- Namur or remote mount
- Action
- Valve size
- Manual override
- ETS (exhaust to spring) function
- Coil voltage
- Environmental considerations.
- Hazardous approvals



**Oppermann Mastergear
&
Mastergear Worldwide**

- Manual Override
- Via declutchable worm gear operator

GEAR BOXES

MOUNTING

- Valve topworks detail
- Requirement for bracket
- Material of construction
- Set-up and calibration requirements

