

Other Products

Butterfly valves & Actuators

Another product we offer in Australia is a range of manual and actuated butterfly valves. We typically stock wafer style in sizes from 2" to 8" plus we can supply larger sizes and other mounting formats on demand. The butterfly & operating shaft are stainless steel, the body cast iron and the seat material is EPDM with Viton available as an option.



Pneumatic actuators are sized to suit the application pressure so for example on a water cart we can often reduce costs by downsizing the actuator due to the lower pressures used. The actuators are available with either aluminium or polymer bodies and there are



further options. Both double acting and spring return actuators are available.

The actuators have threaded air connection ports and also a Namur valve mounting so you have the option of either mounting a valve directly on the actuator or remote mounting depending on your application.



Metal Work have both a 5/2 and 4/2 Namur valve for controlling either double or single acting actuators.

Electric actuators for the butterfly valves are also available.

If you need any further information on our butterfly valve range then please contact your local office



Next Issue

A new guided compact cylinder is added to the Metal Work range. An overview of guided Metal Work guided & non rotating cylinders. Angle seat valves

Tales from the Workbench

Lubrication of pneumatic components—Yes or No ?

A few weeks ago I was asked why a lubricator wasn't included on a quotation because the company involved always used lubricators on their pneumatic systems.

Pneumatic equipment has changed significantly both in the technology and materials used. Years ago cylinders had steel barrels, valves had plated steel components and the lubrication was often specified to reduce corrosion as much as to actually lubricate. Most pneumatic parts are now made from hi-tech polymers, anodised aluminium, stainless steel or brass so corrosion is less of an issue, add to this the fact that most companies have dryers on their compressed air systems and water isn't present in pneumatics any more.

As a manufacturer we pre-grease our components, this grease should last the life of the component but.....if you lubricate your air supply the oil dilutes our grease and it is gradually washed away.

So for a new system using Metal Work components we recommend that it is run unlubricated, this saves the cost of a lubricator and reduces maintenance costs. On an existing system where the component will be lubricated then the lubrication must be maintained.

One problem with lubricated air is that someone must check the lubricator, adjust it & regularly top it up, they must also use the correct grade of oil. Typically on a machine the lubricator is topped up when it is new then never checked again so eventually everything runs dry and seal damage occurs. Setting the flow rate of the lubricator is also a dying art, most I have seen are virtually shut off or wide open!

Go unlubricated on a new system for reliability & peace of mind....

Contact us

For further information on any of the products in the newsletter or Metal Work products in general then please do not hesitate to contact us.

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