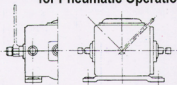


OPTIONAL AUXILIARY DEVICES

LEVER CONTROL for Pneumatic Operation



To enable a PIV to be operated from a power cylinder, either hydraulic or pneumatic, a Lever control, as shown, can be supplied, replacing the normal hand wheel control. The data regarding angular movement for any particular speed range given on enquiry. It is our practice to supply the stub-shaft which projects approximately from the center of the end of the gear, as shown in the sketch, but we do not supply the lever itself as a standard item, as the size of the lever varies with every application. This method of control is adaptable for use with many types of automatic flow control.

ELECTRIC MOTORISED REMOTE CONTROL

For fine adjustment of speed setting from remote, irrespective of position, angle or distance. This device consists of a pilot motor and slipping sprocket connected to control screw by chain.



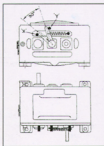
Slipping
Sprocket



THE VISUAL CHAIN TENSION ADJUSTER

The Visual Chain Tension Adjuster keeps the chain at the correct tension, thus ensuring that the PIV Gear is always running under optimum conditions. The use of this device reduces the need to remove the cover for the inspection of chain tension. The Adjuster is a simple mechanism consisting of a ratchet lever and a spring which allows the lever to work through an angle of 30° between two stops.

Through the lever a torque is transmitted to the chain tension screw to remove any slackness in the chain.
(Not necessary for Auto Chain Tensioning PIV units)



MECHANICAL REMOTE CONTROL

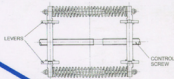
The Mechanical Remote Control can be fitted on the extended Control Screw shaft on the machine. It looks particular setting that can be calibrated on the Dial.



PRELOADING DEVICE

The pre-loading of PIV is an added feature for application where accuracy and synchronisation are important. This device has been developed for fitting to PIV, the main objective being greater sensitivity of control over the complete speed range. To enable the preloading device to be assembled correctly in a PIV, it is important to state, when ordering, whether the constant or the variable speed shaft will be nearer to the control screw. This determines whether a compression or tension device is necessary.

(As this device is incorporated inside the gear box, it is necessary to know the position of input shaft connected to the motor drive.)



TORQUE LIMITER COUPLING

- * Precise, complete disengagement at the required torque
- * Accurate repeatability
- * A torque range from 5 lbf.ins. (0.56 Nm)-5,000,000 lbf.ins (565,000 Nm)
- * Infinite adjustment over a wide range
- * Easy installation
- * Automatic, manual and timed re-engagement (and many other types!)
- * Pulley, sprocket and flexible coupling options
- * Simple limit switch operation
- * Easy maintenance.

