

# THE BATLEY VALVE CO. LTD.

Longlands Industrial Estate, Wakefield Road, Ossett, West Yorkshire WF5 9JF.

Telephone: (0924) 275931

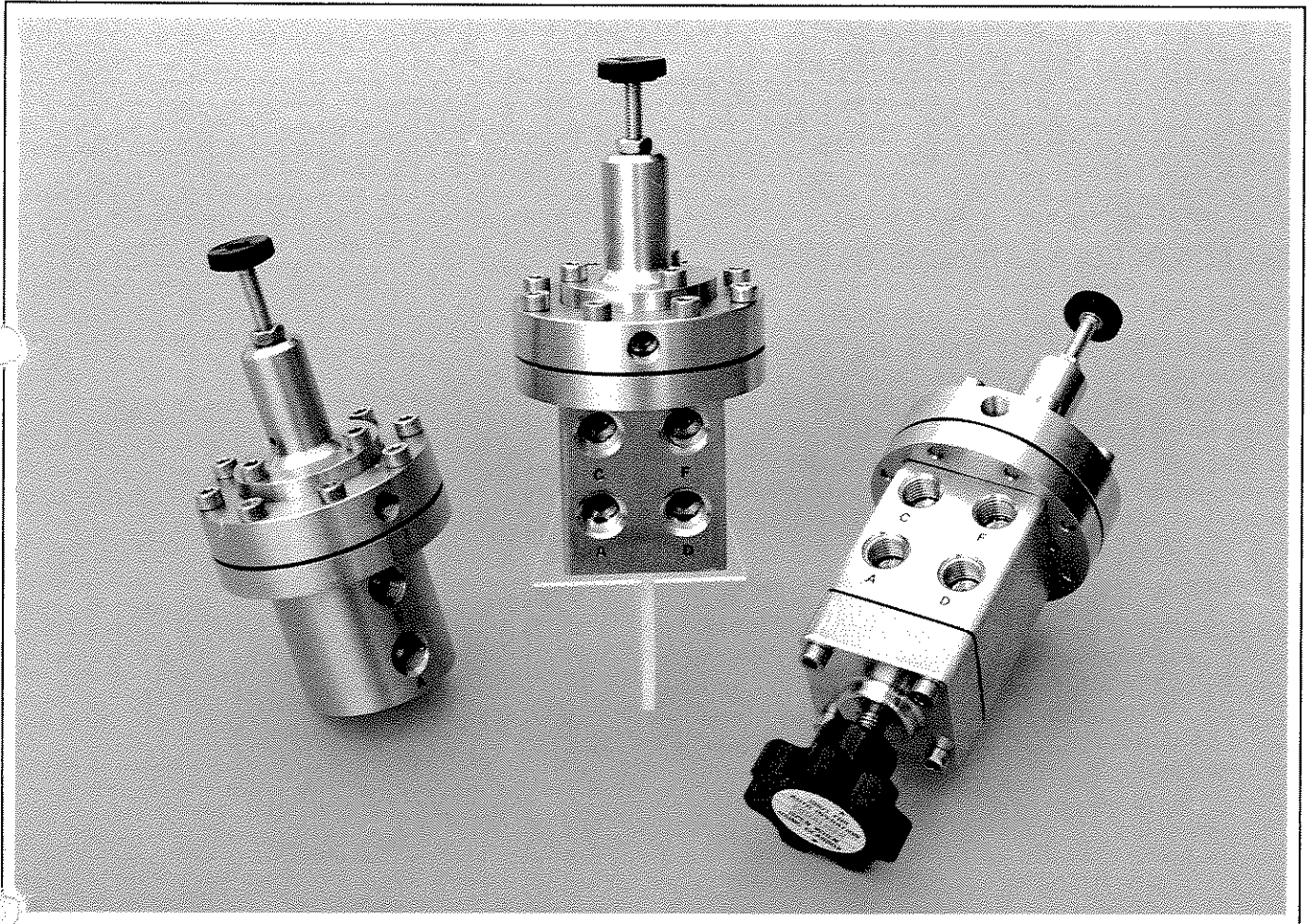
Telex: 557805

## *Adjustable Pneumatic Trip Valves*

**XTV-5,**

**XTV-6,**

**XTV-7.**



### INTRODUCTION

Batley Controls XTV Trip Valve Range have been designed to be fully adjustable, compact, rugged, and give a quick response to changes in pilot pressure. For use on failsafe systems, venting systems, on off applications etc. They can be mounted in any orientation and have many interchangeable parts.

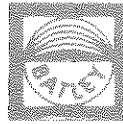
### SPECIFICATION

Port Sizes — 1/4" NPS. FEMALE  
Pilot Sizes — 1/8" NPS. FEMALE  
Max Pressure 120 PSI.  
Temperature Range -20°C to +80°C.  
Trip Pressure Adjustable between  
0 and 110 PSI.

### MATERIALS

Block — Aluminium  
Spring Housing — Aluminium  
Diaphragm Housing — Aluminium  
Cartridge Assy — Aluminium/Brass/Buna 'N'  
Springs — Plated Steel  
Diaphragms — Reinforced Rubber  
Fastening — Stainless Steel

Alternative materials such as Stainless Steel or Non-Copper specifications are available enabling extension of operating temperature range down to -40°C.



# Batley Controls Ltd.

Directors: G. HEAP, C.Eng. A.M.I. Mech. E., M.Inst. M.C., M. STEAD

Designers & Manufacturers of  
Valves &  
Flow Control Equipment

Telephone: 0924  
275931 & 262525  
Telex: 557805

Registered Office:

Longlands Industrial Estate  
Wakefield Road  
Ossett, Yorkshire WF5 9JF

Registered in London. Registration No. 902484

Your Ref:

Our Ref:

## INSTALLATION & MAINTENANCE INSTRUCTIONS FOR TRIP VALVES

### INSTALLATION

*These valves can be mounted in any orientation. Clean all pipe lines to remove any dirt or foreign matter before installation. Apply sealing compound or tape to the male threads of the fittings to be connected to the valves, making sure no compound or tape can enter the orifice of the fittings.*

*Installation should be so as moisture cannot enter the vent holes but do not block these holes.*

### ADJUSTMENT

*The trip valves will be factory tested but not set to any specific trip pressure unless called for. Once installed adjustment to the trip pressure can be made by the adjusting screw (key no. 8) by turning this clockwise the trip pressure will increase and by turning it counterclockwise the trip pressure will decrease. After final adjustment is made be sure to tighten the locknut (key no. 9) to avoid accidental movement of the adjusting screw.*

### MAINTENANCE

*To replace diaphragm's (key no's 16 & 17) it is necessary to remove screws (no's 10 & 11) but first slackening off the adjusting screw (no. 8). If it is also necessary to replace the cartridge ass'y (no. 7) the two countersunk head screws in the diaphragm base (no. 2) must be removed. The cartridges can then be removed by allowing a small quantity of low pressure air into the lower parts of the block. When re-assembling the cartridge seats & seals should be lightly coated with silicon grease.*