

## Flow Control/Check Valve

### Introduction

The new Maric "Flow Control/Check Valves" provide a constant flow rate through the valve irrespective of pressure or pressure fluctuations across the valve within the specifications below.

### Specifications

Materials:	303 Stainless steel Body EPDM control Rubber
Accuracy:	Within +/- 20% of rated flow within pressure differential range.
Pressure Range:	100/1500 kPa (differential) across valve
Max Temp:	120 C intermittent, 100 C continuous
Check Valve Operation:	100% closed when reverse pressure differential of 70 kPa exists

### Design

The maintainance free design uses the actual flow control rubber as the flexible sealing component in the non-return mechanism. The flexing of the control rubber under normal operating conditions prevents the build up of scale (due to poor water quality) on the rubbers surface, which ensures a reliable seal is achieved whenever called upon to do so, even after extended periods.

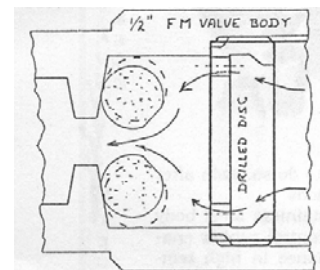
### Applications

- Mining Industry
- Gland Water Flow Control with Back-Flow Prevention

### Principle of Operation

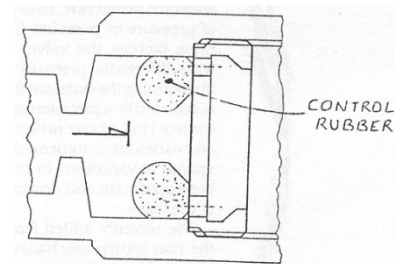
#### Normal Operation:

Passage of water to the flow control rubber is enabled through a drilled disc in front of the control Rubber. The orifice diameter of the control rubber responds instantaneously to varying pressure differentials.



#### Reverse Pressure:

Control rubber is pushed up against the drilled disc, blocking the orifice.



### Features

- Reliable Back-Flow prevention function
- High Temperature Handling
- High Pressure Handling
- Corrosion and Scale resistant

### Models Available

Description	Range
1/2" BSP FM Screwed	Flow Rates from 0.4 to 18 litres per minute

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