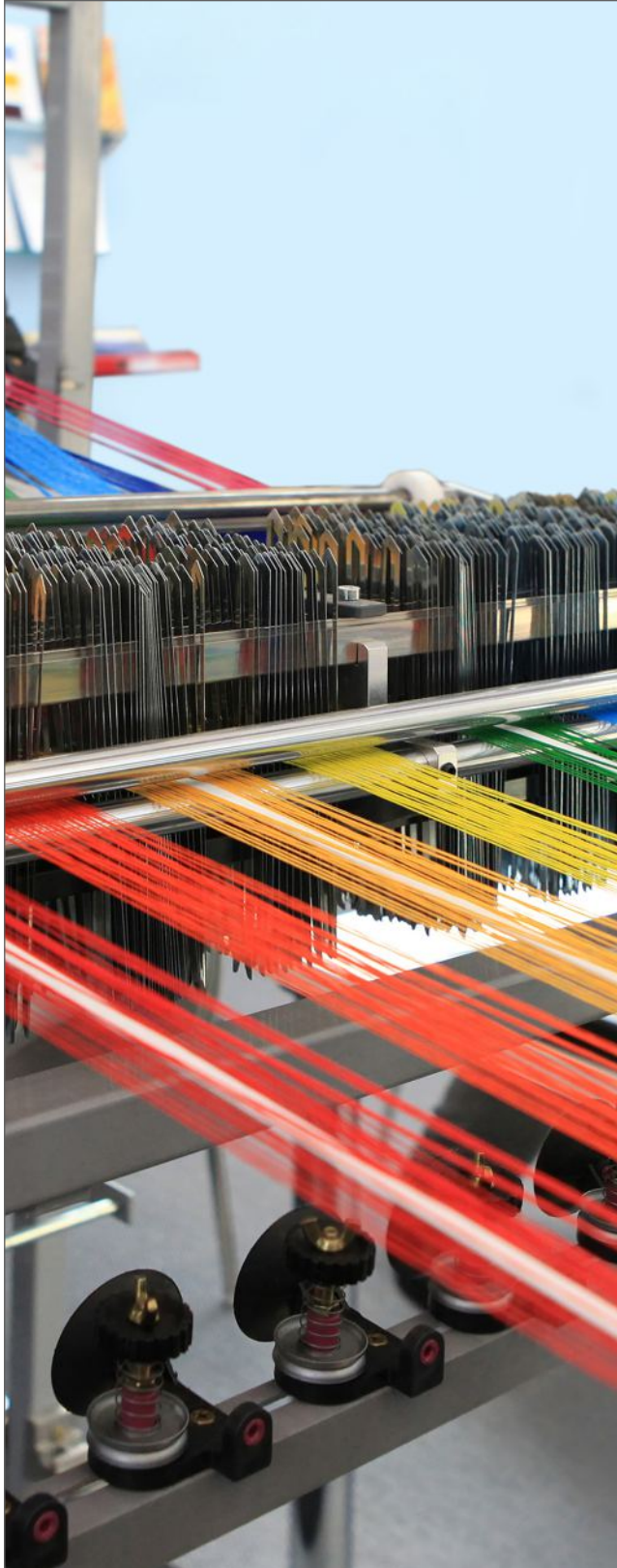


# 3-Way Valves for Textile Applications

## Chilled Water Flow Control 3-Way Diverting Valves



### Forbes Marshall Arca 3-Way Valves: Designed for Efficient Flow Control to Maintain a Stable Process

In the textile industry the area of the plant where thread is manufactured using petroleum raw materials like PTA & EG, is maintained under an Air Cooled (AC) condition.

Hence, it is necessary that the final control element, the 3-Way Flow Control Valve, should action correctly to maintain the required quality of the thread.

Continuous AC must be maintained in the spinning and winding area of the plant. Any interruption or fluctuation in temperature will cause the entire batch to be wasted and lead to a great loss in production.

### How the Process Works

Cold water that comes from the Chiller enters into the 3-way valve and flows into the coils of the air washer unit. The excess chilled water is diverted and recirculated, which then returns to the inlet of the 3-way valve. In controlled quantity, chilled water enters into the coils of the air washer unit through which the surrounding air is cooled and then gets circulated in the spinning and winding area of the plant which maintains the temperature at 25 Deg C.



## Forbes Marshall Arca 3-Way Control Valve: What is Special

We are a leading engineering company which provides a wide range of 3-way valves for diverting as well as mixing applications.

For the said application, a 3-way diverting type flow control valve is proposed. Normally in these plants, a minimum of 8-10 such valves are required.

This valve is designed to ensure uninterrupted flow inside the valve. A very special and different trim design is used for mixing as well as diverting applications.



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