

*Piston Actuated Valves*

**On-off  
Control  
Simplified!**



**spirax**  
**/sarco**

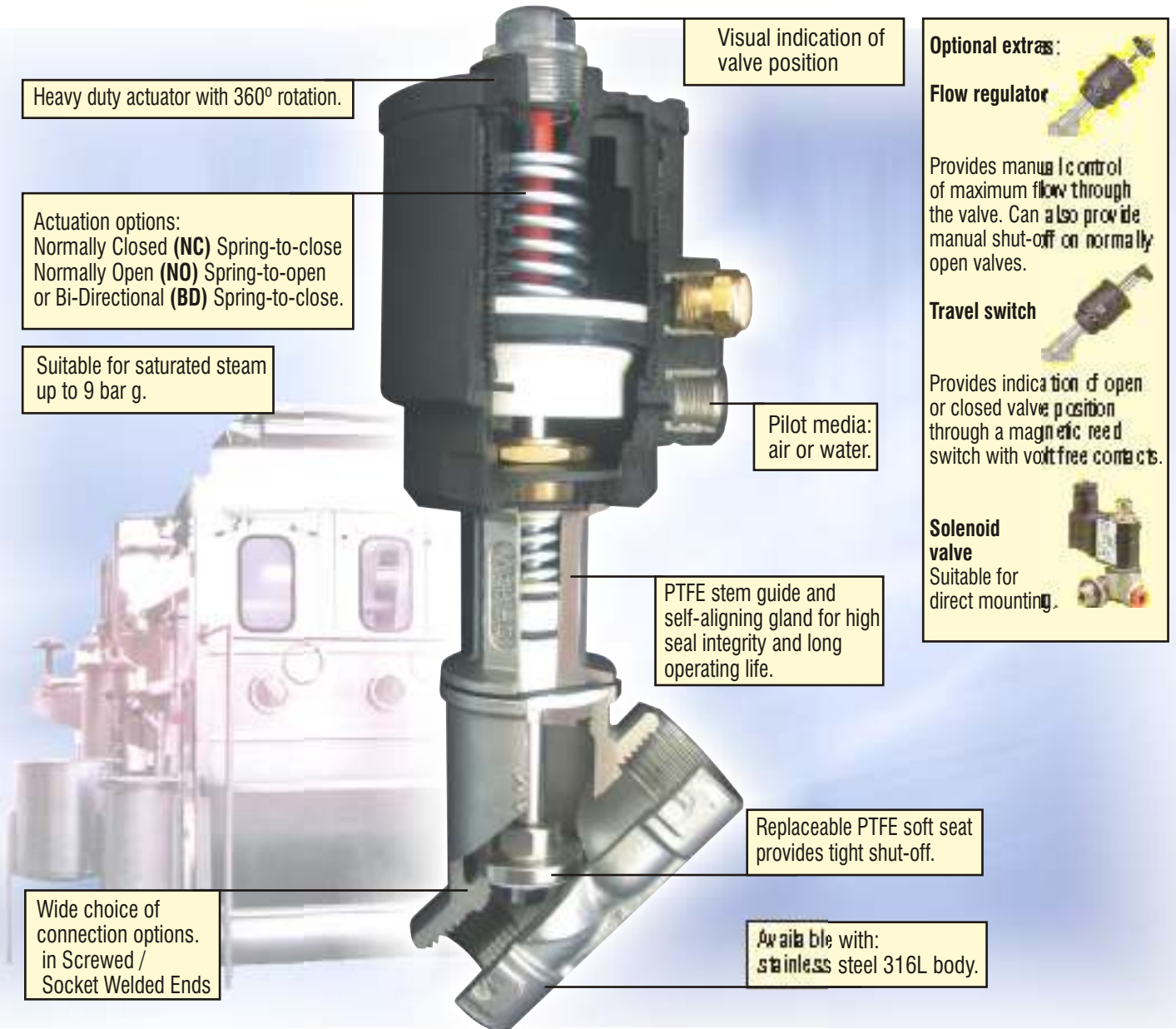
*Specialists in Process Efficiency and Energy Conservation*

## Piston actuated valves for on/off control

The Spirax range of piston actuated valves provide a competitive solution for on/off control applications by combining many key benefits in one valve.

A unique quality product designed to meet our customer's needs offering reliability combined with high performance shut-off.

Simplicity is the key to providing a product that will suit the needs of a wide range of industrial applications.



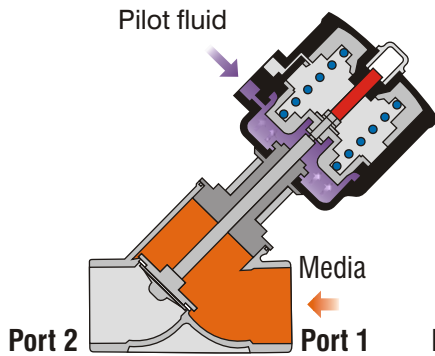
These compact on/off valves provide tight shut-off by utilising a PTFE plug seal. Valve stem sealing is achieved through self-aligning PTFE chevrons to maximise sealing integrity.

With these valve ensure leakproof isolation up to the range of ANSI class VI. (i.e. bubble tight shut off)

Normally closed and normally open versions are available plus a version for special bi-directional flow and anti-waterhammer applications. Additional options include a flow regulator, travel switch and directly mounted solenoid pilot valve.

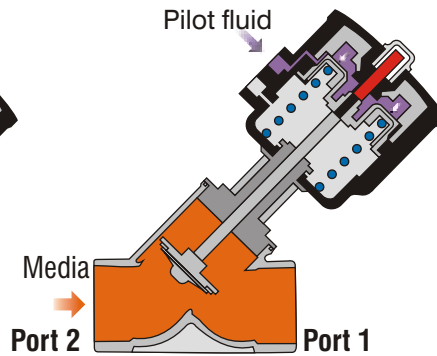
The valves can be used on a wide range of media including steam, air, oil and other fluids, and can operate at a maximum temperature of 180°C and pressure ratings of PN 25 (upto 1") & PN 16 (1 1/2" & 2").

## Available types



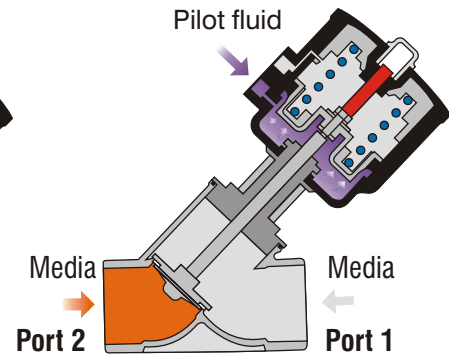
### NC (Normally Closed)

These valves are designed for flow over the seat (port 1 to 2). Not recommended for water-hammer prevention.



### NO (Normally Open)

These valves are designed for flow under the seat (port 2 to 1). Can be used to prevent water-hammer on valve closure in liquid applications.



### BD (bi-Directional normally closed)

These valves are designed for special applications that require flow in both directions (port 1 to 2 or port 2 to 1) and incorporates an anti-waterhammer design for liquid applications flowing under the seat (port 2 to 1).

## Features And Benefits

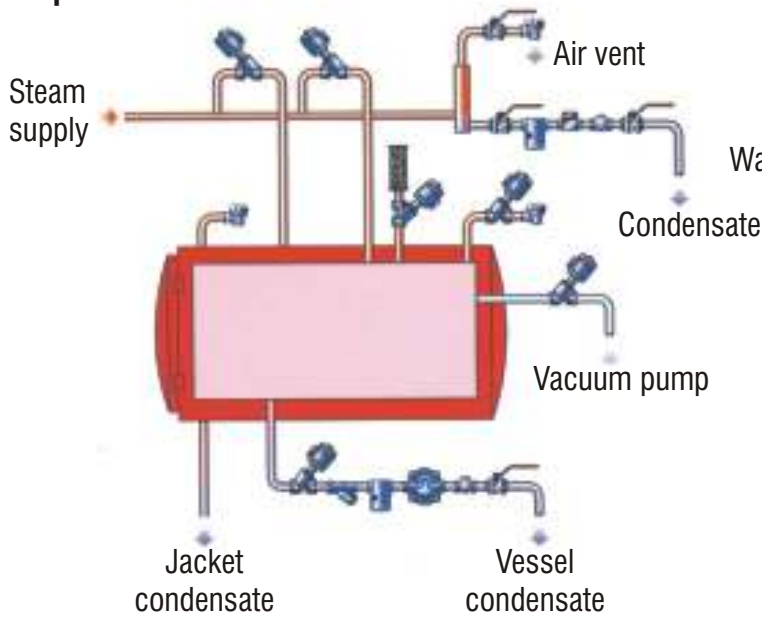
Features	Benefits
<ul style="list-style-type: none"> <li>● Normally closed, normally open and bi-directional options</li> </ul>	<ul style="list-style-type: none"> <li>● Suitable for most applications</li> </ul>
<ul style="list-style-type: none"> <li>● PTFE soft seal</li> </ul>	<ul style="list-style-type: none"> <li>● Tight shut-off with ANSI class VI Isolation</li> </ul>
<ul style="list-style-type: none"> <li>● Burnished Stem guide with self aligning</li> </ul>	<ul style="list-style-type: none"> <li>● Long service life</li> </ul>
<ul style="list-style-type: none"> <li>● The actuator can be rotated in 360 degree</li> </ul>	<ul style="list-style-type: none"> <li>● Pilot media (pneumatic) connection possible around</li> </ul>
<ul style="list-style-type: none"> <li>● Visual travel indicator as standard</li> </ul>	<ul style="list-style-type: none"> <li>● Immediate indication of operating status</li> </ul>
<ul style="list-style-type: none"> <li>● Anti water hammer option for liquid flow</li> </ul>	<ul style="list-style-type: none"> <li>● Rugged design suitable for adverse plant</li> </ul>
<ul style="list-style-type: none"> <li>● Optional magnetic travel switch</li> </ul>	<ul style="list-style-type: none"> <li>● Provision for remote indication of travel status to central plant room, alarm, another</li> </ul>
<ul style="list-style-type: none"> <li>● Stainless steel version for use with saturated stem up to 9 bar g</li> </ul>	<ul style="list-style-type: none"> <li>● Suitable for majority of OEM steam</li> </ul>
<ul style="list-style-type: none"> <li>● Optional flow regulator</li> </ul>	<ul style="list-style-type: none"> <li>● To match supply and load demands</li> </ul>
<ul style="list-style-type: none"> <li>● Versions available for applications that require bidirectional flow or anti</li> </ul>	<ul style="list-style-type: none"> <li>● Diverse applications such as CIP (clean in place) and higher pressure water systems</li> </ul>
<ul style="list-style-type: none"> <li>● Optional direct mounted solenoid valves</li> </ul>	<ul style="list-style-type: none"> <li>● Fully operational compact unit</li> </ul>

## Typical industries and applications

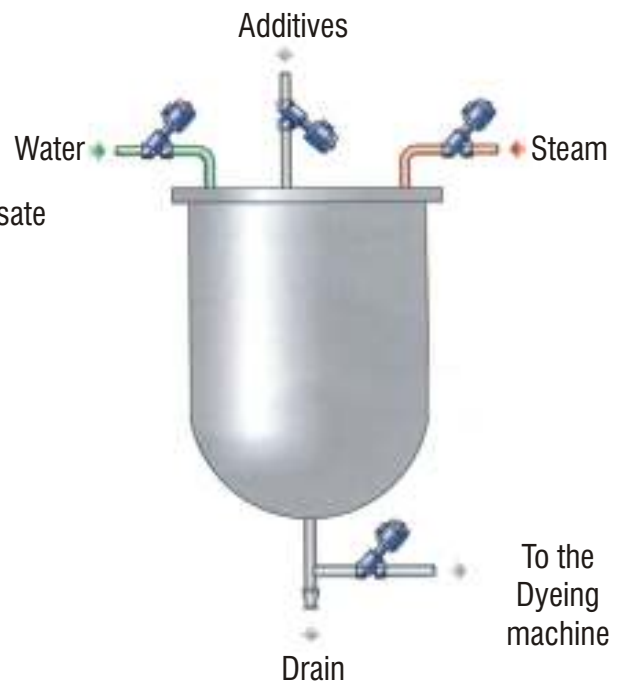
Piston actuated valves provide the ideal solution for many OEM applications for on/off control including

Textile	Food & Beverages	Laundries	and many others
Dyeing machines	Cookers	Washers	Pharmaceutical reactors
Additive mixing	Filling machines	Hot water heating	Hospital steriliser
Finishing machines	Bottling machines	Dry cleaning	Tyre presses
Caustic washing	Heating cabinets	Tumble driers	Paper driers
Pressing machines	Bottle washers	Extractors	Rubber injectors

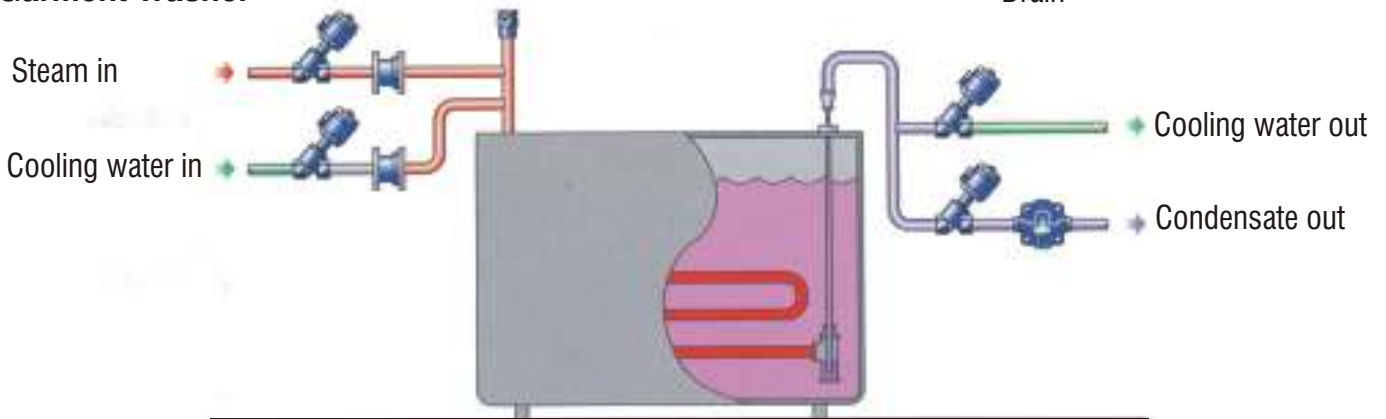
### Hospital steriliser



### Textile additive



### Garment Washer



Subject to change without notice

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