TÜFEKÇİOĞLU
RUBBER & MACHINERY

# VALVES

## Pinch Valves

Pinch valves are used to control volumetric flow rate. The rubber tube, which is the major element of the valve, in general, has a cylindrical structure with flanges on both ends for fixing; thus, is more suitable for flow control with higher flow coefficient ($K_v$) and lower loss coefficient ($\zeta$) than other valves.

The rubber tube operates successfully in conditions of high abrasion environment.

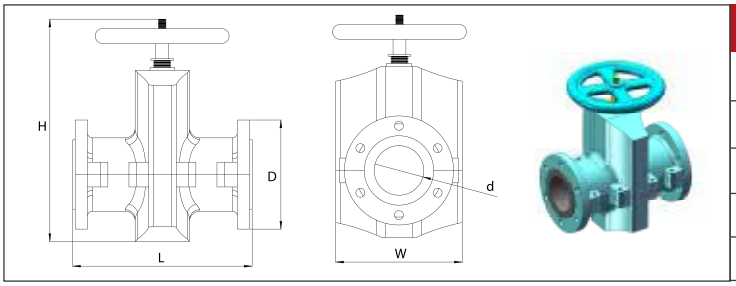
Pinch valves are produced in two different forms as either with open tanks for operation in lower pressure level or with closed tanks for higher pressures.

The rubber tube can be opened and closed with the specially lugged screw shaft on its end, allowing precise adjustment of the flow rate. Pinch valves of varying diameters are produced both as aluminium/sphero cast closed-type and steel-bodied open type.

Pinch valves can be manually or automatically operated by means of PLC controlled air drive system to maintain flow level control. Pinch valves suitable for electrical automation, can also be manufactured upon request.

# SPECIFICATIONS

- Standard Connection Flanges EN 1092-1 PN-10
- Operational pressures of 1,5-3 bars in terms of their diameters
- Continuous 24 hours operation
- Easy maintenance
- Prompt supply of high-quality and reasonably priced spare parts



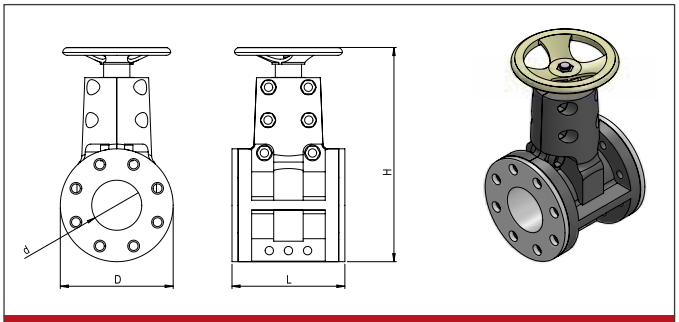

| VALVES | | | | | |
|---|---|---|---|---|---|
| | H | L | W | D | d |
| V60 | 300 | 300 | 185 | 210 | 60 |
| V100 | 440 | 360 | 255 | 220 | 100 |
| V150 | 555 | 425 | 355 | 300 | 150 |
| V200 | 695 | 550 | 430 | 340 | 200 |

# Polyamide Pinch Valves

The Polyamide valve which has the same system of operation with the pinch valve is resistant to -40 degrees and corrosion.

## Specifications

- Non-stop 24 hours operation
- Easy maintenance
- Prompt supply of high-quality and reasonably priced spare parts




| POLYAMIDE VALVES | | | | |
|---|---|---|---|---|
| | **H** | **L** | **D** | **d** |
| VP100 | 440 | 230 | 230 | 100 |

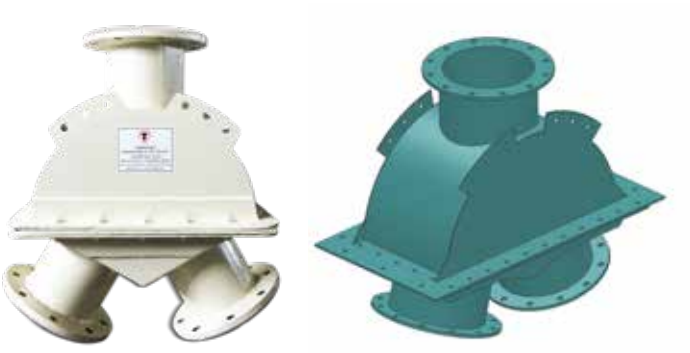
# Taylor Valves

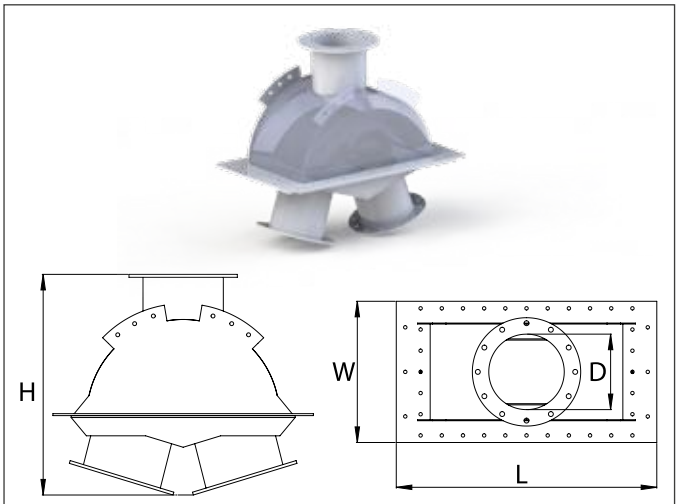
Tüfekçioğlu valves are used to divert slurries of sand and gravel, coal, ash and ground slag, waste waters and other solid substances of certain size from the pump discharge end. They operate automatically without any air or power connections.

Taylor valves are employed to determine the operation/ back up conditions of two parallel pumps and to organize the flow in the appropriate manner in cases of either simultaneous or individual uses. The freely moving rubber lined ball, which is directed by the flow, is sized according to inlet dimensions. The ball directed by the flow from the pump in operation closes the inlet of the stand-by pump. In the case of two pumps operating simultaneously the ball remains in balance by opening both inlets.

## Specifications

- All wet (exposed to flow) parts and surfaces of the body are lined with replaceable high wear resistant rubber
- Provides an economical solution since it can be used instead of a valve system consisting of at least two valves to serve the same function
- Standard Connection Flanges EN 1092-1 PN-10
- Body: Unalloyed low carbon steel construction, St37.2
- Non-stop 24 hours operation
- Easy maintenance
- Prompt supply of high-quality and reasonably priced spare parts






| VALVES | | | | |
|---|---|---|---|---|
| | **H** | **L** | **W** | **D** |
| TV65 | 375 | 580 | 240 | 65 |
| TV80 | 375 | 580 | 240 | 80 |
| TV100 | 600 | 650 | 355 | 100 |
| TV150 | 600 | 650 | 355 | 150 |
| TV200 | 825 | 850 | 495 | 200 |
| TV250 | 1000 | 1070 | 630 | 250 |

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