

$$\Delta p_{pipe} = (\lambda_s + \mu \lambda_s) \frac{\rho v^2 L}{2 D}$$

$$P_n = \frac{\gamma R}{g} \left[1 - e^{-(uk_j z/R)} \right] + P_{no} e^{-(uk_j z/R)}$$

Flap Valve

The flap valve forms a major component in the regulation of material flow.

Types Manufactured

RULA manufactures three distinct type of Flap Valves:

- Single Gravity Flap Valve
- Single Pneumatic / positioning Flap Valve
- Double Motorised Flap Valve

Application

- Control and Measuring of the material flow
- Acts as a shut-of mechanism in under pressure situations and to prevent a back draft going upstream

Design Features

- Flap can be removed for maintenance without removing the complete valve
- Flap sensitivity is easily adjustable via flap adjustment bolt
- Material flow can be increased or decreased by adjusting the weights on the gravity a
- Both the flap as well as the insert are of wear resistant materials

Specifications

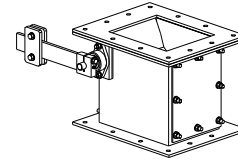
Valve Body	300WA
Insert	Hard wearing plate
Flap	Hard wearing plate
Shaft seals	Viton

Sizes

- Valves are purpose made in any size and shape to fit plant requirements
- Drilling arrangement to suit plant interface

Operating & Maintenance

- The valves are Operator and Maintenance friendly
- A complete Operating & Maintenance manual is available



Single Gravity Flap Valve

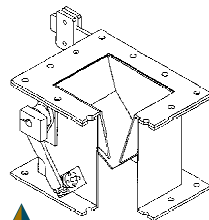


Flow Control Valve with Single Flap Valve application



Silo Discharge Arrangement - Wet Unloading System with Gravity Flap Valve with potentiometer on top and a normal Single Gravity Flap Valve at the bottom

Motorised Double Flap Valve application



Gravity Flap Valve with Locking mechanism

Motorised Double Flap Valve

