

# Jacob Diverter Valves

Top Quality At Competitive Prices!

**2-Way Valves**



**Dosing Valves**



**2-Way Distributors**

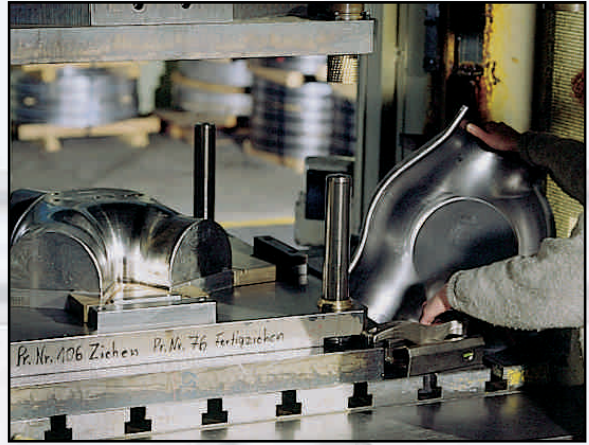


**JACOB**

Modular Tubing Systems



- Valves up to 12" (300mm) dia. are manufactured from stamped half-shells, eliminating cross welds and areas of product build up.
- Valves up to 12" (300mm) dia., are standard with Jacob flange.
- Valves 14" (350mm) dia. and above are standard with flanges (ANSI or DIN, as required).
- All valves are available symmetric or asymmetric.
- Mild steel/stainless steel.
- Shafts with o-ring seal.
- Can be used with all tubing, Jacob or existing.
- Quick removal for maintenance, cleaning or replacement.



## 2-Way Valves

- Designed for gravity flow of granular, free flowing products.
- 60 degree outlets, 50 degree for valves above 12" (300mm) dia.
- Available 4" (100mm) up to 16" (400mm) dia., special order >16" (400mm).
- Also available in galvanized.
- Overlapping inner collar to help direct product flow to the selected outlet.
- Valves 6" (150mm) dia. and above can be supplied with inspection door for access to internal flap as special order.
- Valves 6" (150mm) dia. and above can be supplied with wear resistant liner on inlet or inner flap as special order.



## Dosing Valves

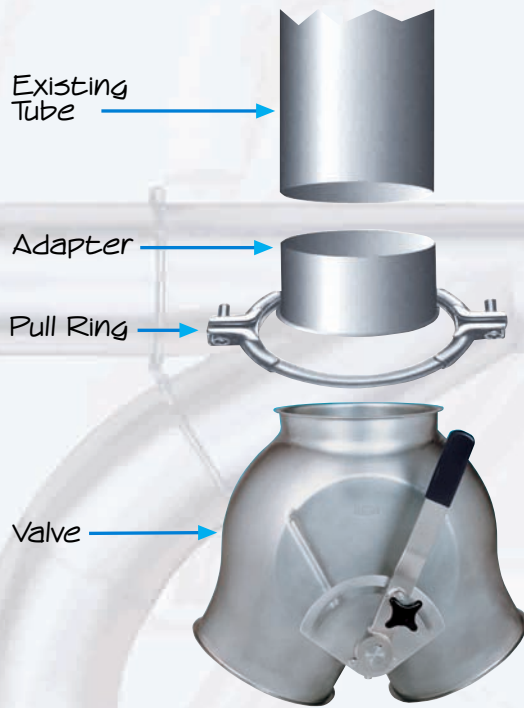
- Designed for ventilation systems and gravity flow of bulk goods, granular and powder.
- Suitable for low pressure conveying systems.
- 60 degree outlets, 50 degree for valves above 12" (300mm) dia.
- Available 4" (100mm) up to 16" (400mm) dia., special order >16" (400mm).
- FDA approved NBR sheet gasket, temperature resistant up to 265 F (130 °C), other gasket material available for customer specified needs.
- Replaceable gasket.
- Shaft positioned between pant legs to increase angle of flow, reducing product deformation.
- Stamped grooves to assure accurate seal.



## 2-Way Distributors

- Designed for low pressure or vacuum conveying systems.
- Available with 45 degree outlets or 60 degree outlets.
- Available 6" (150mm) up to 25" (630mm) dia.
- Recessed ledge for flap seal to eliminate gasket abrasion & reduce product deformation.
- Silicon gasket is FDA approved, heat resistant up to 450 F (230 °C), other gasket material available for customer specified needs.
- Replaceable gasket.
- Removable inner flap assembly for cleaning or maintenance without removing valve from installation.
- Shaft positioned between pant legs to increase angle of flow, reducing product deformation.
- Sanitary design available.





## Adapts To Existing Components

Through the use of a weld-on adapter, Jacob valves can quickly be fitted to your existing tubes.

## Actuation

- All valves have option of manual, rotary, linear, or electric actuation
- Valves are fully assembled and tested prior to shipping
- All valves are produced with a universal drive connection shaft to allow later upgrade from manual to pneumatic or electric drive
- Also allowing drive units to be mounted either side of the valve (factory standard right-hand installation)

### Rotary Actuator

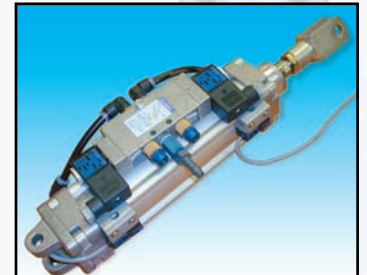
- Allowing compact design
- Double acting actuator (spring return available)
- Flow control to regulate airflow to minimize the wear on valve and actuator components
- NAMUR mounting
- No external moving components
- Quick response time
- Rotary assembly includes:
  - Actuator
  - Solenoid valve – single coil, 110V standard
  - Flow control
  - Mounting Hardware



- OPTIONS:**
- Limit Switches
  - Positioner
  - Dual coil solenoid
  - 24V solenoid
  - Explosion proof

### Linear Actuator

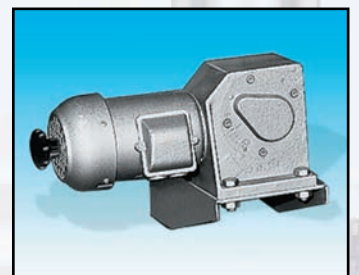
- Linear assembly includes:
- Solenoid valve – dual coil, 110V standard
  - Proximity switches
  - Cylinder unit
  - Mounting hardware
  - Protective cover for cylinder unit



- OPTIONS:**
- 24V solenoid
  - Explosion proof

### Electric Actuator

- Electric assembly includes:
- Electric actuator – 110V standard
  - Limit switches
  - Manual hand wheel for actuator override



- OPTIONS:**
- 24V actuator
  - Explosion proof

# Quick-Request

Copy and fill out the form below, then just fax it to us  
or log onto our website at [www.jacob-tubing.com](http://www.jacob-tubing.com).

## Other products offered by Jacob Tubing:

- Tubes
- Slip Tubes
- Pull Rings
- Bends/Segments
- Forks
- Inspection Ports
- Cleaning Ports
- Sight Glass
- T-Pieces
- Cones
- Spouts
- Ball Joints
- Jet Caps
- Air Regulators
- Slide Gates
- Throttle Valves
- Tube Hangers
- Turn Head Distributors

Name \_\_\_\_\_

Company Name \_\_\_\_\_

Telephone \_\_\_\_\_ Fax \_\_\_\_\_

E-Mail \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ ST \_\_\_\_\_ Zip \_\_\_\_\_

Specific Request \_\_\_\_\_

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**Fax to 901-566-1910**



Modular Tubing Systems

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