



## CERAMIC LINED VALVES, PIPES & FITTINGS

ENGINEERED EXCELLENCE



### DESIGNED TO PERFORM

- Corrosion & Abrasion Resistant
- High Temperature Strength
- Chemical Stability
- Long Service Life

[www.kdvflow.com](http://www.kdvflow.com)

# CERAMIC LINED VALVES

## KDV Ceramic Lining - The Ultimate in Corrosion & Abrasion resistance

KDVs Ceramic lining provides outstanding resistance to corrosion, abrasion, thermal and physical shock. A very cost effective alternative to exotic alloy bodies, ceramic lining boasts up to 400% longer service life compared Titanium or Monel.



### Buy direct from the manufacturer

We offer superior product and application knowledge and fast delivery by supplying ex stock.

### Superior corrosion & abrasion resistance

Structural ceramics are amongst the hardest materials known to man. They are highly resistant to high temperatures, shock and corrosive and abrasive line media.

### Low Cost of Ownership

Low initial cost and long service life compared to exotic alloys provide a low overall cost of ownership.



### Products

- Ceramic Lined Valves
- De-dusting Pipe
- Coal Pipe
- Wind Pipe Elbow
- Slag Pipe
- Coal Pulverizer Outlet Pipe
- Powder Separator Outlet Pipe

## Ceramic Lined Ball Valves



Ceramic Lined Ball Valve



3 Piece Ceramic Lined Ball Valve



Ceramic Lined V Port Ball Valve

### Features & Benefits

- Corrosion & Abrasion Resistance
- High Temperature Resistant
- Shock Resistant
- Low Cost of Ownership
- Long Service Life
- 2-4 x Lifespan of Specially Alloys (Titanium & Monel)
- High Chemical Resistance
- Self Lubricating

### Size Range

From DN15~DN250 (depending on body style)

### Nominal Pressure

Up to PN100 (ANSI 600 LB) available

### Temperature

Up to 750° C available



# CERAMIC LINED VALVES

## Ceramic Lined Knife Gate Valve



### Features & Benefits

- Structural ceramic lined gate & seat
- High corrosion & abrasion resistance
- High chemical stability
- Compact design
- Suitable for high hardness & soft particles
- High temperature resistance
- Can be installed at any angle
- Low Torque – Compact Actuator

### Size Range

DN50~DN300

### Nominal pressure

PN10~PN25

### Temperature

≤250 C

## Ceramic Lined Gate Valve



### Features & Benefits

- Structural ceramic construction
- Corrosion and abrasion resistant
- Leak tight sealing
- Does not accumulate slag
- Long service life
- Manual, electric, pneumatic operator

### Size Range

DN50~DN400

### Nominal Pressure

PN10~PN40

### Temperature

≤200 C

## Ceramic Lined Discharge Valve



### Features & Benefits

- Bi-directional sealing
- On-off operation
- Double plate seal
- Anti- red rinse wear resistance
- Corrosion and abrasion resistant
- Can be set to purge port ash, hopper discharge port.

### Size Range

DN50~DN300

### Nominal pressure

PN10~PN25

### Temperature

≤250 C

## Ceramic Lined Drain Valve



### Features & Benefits

- Structural ceramic construction
- Corrosion and abrasion resistant
- Leak tight sealing
- Does not accumulate slag
- Long service life
- Manual, electric, pneumatic operator

### Size Range

DN50~DN400

### Nominal Pressure

PN10~PN40

### Temperature

≤200 C

# Engineered Excellence

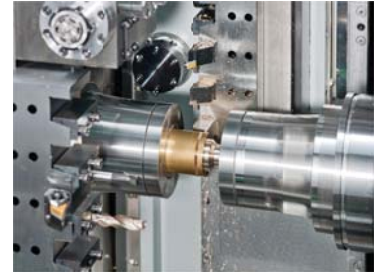
Every aspect of our business is centred around the principle of engineered excellence. Our design, manufacturing, assembly, testing, service and support processes are all engineered with one goal in mind - excellence.

## Design & Manufacture

### Design & Manufacturing Excellence

**Only the best materials and processes**

We utilise state-of-the-art forging, casting, injection molding, rubber lining and plastic lining techniques at our manufacturing facilities in Australia, Thailand and China.



### Quality Control Excellence

**Every process managed to the highest quality standards**

Quality control is the cornerstone of our business. Every process, from design & manufacturing to service & delivery is covered by our ISO accredited quality control system.



## Service & Support

### Service & Support Excellence

**Industry leading advice, service & support**

Our applications engineers, sales, & support staff provide world class service, pre and post sales support.

