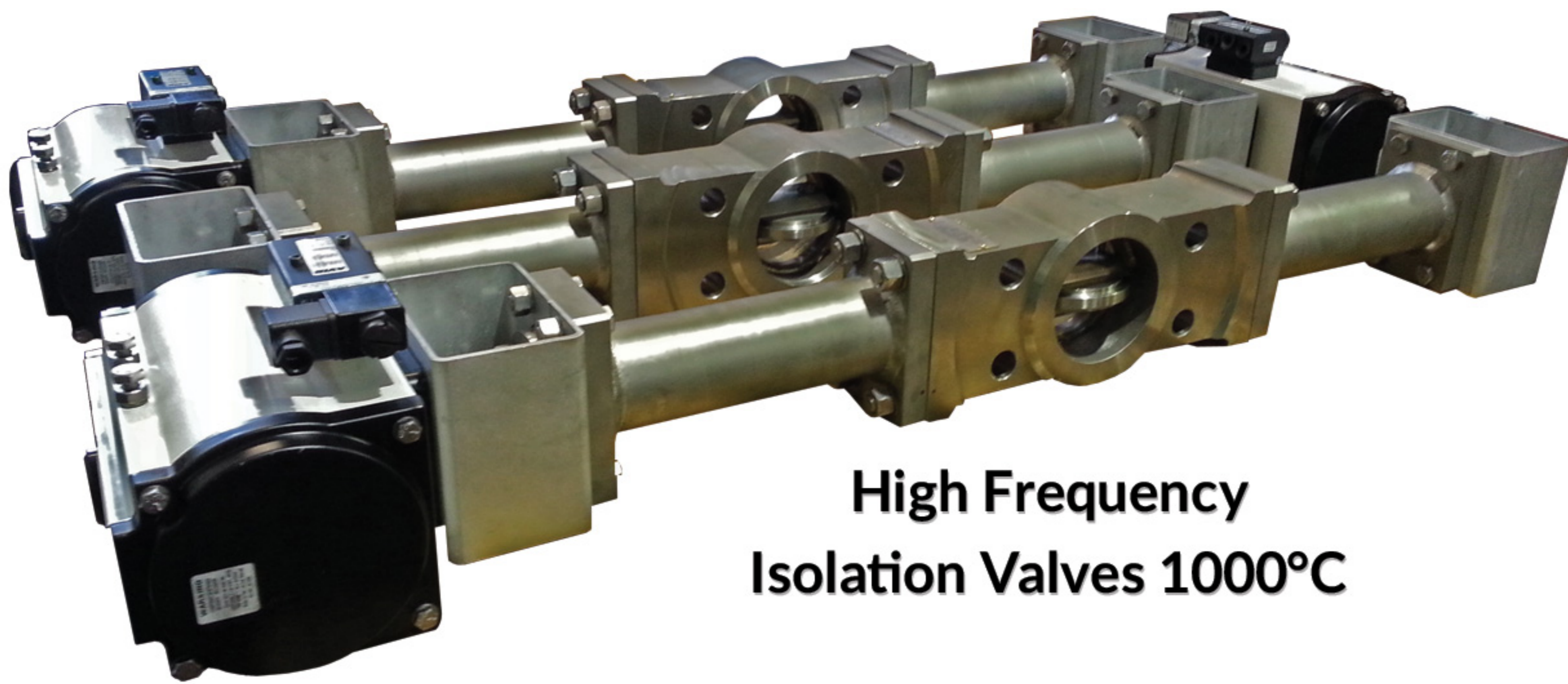




# EVOLUTION VALVES

THE NEXT EPOCH

## High Temperature Valves



**High Frequency  
Isolation Valves 1000°C**

### RELIABILITY

**Problem:** Exhaust gases flow through a test engine at temperatures approaching 1000°C resulting in frequent failures requiring replacement every 200K-300K cycles.

**Solution:** Using Evolution's design of heat and corrosion resistant, high Ni/Cr valves, the customer has had uninterrupted service for over 3 million cycles.

### PERFORMANCE

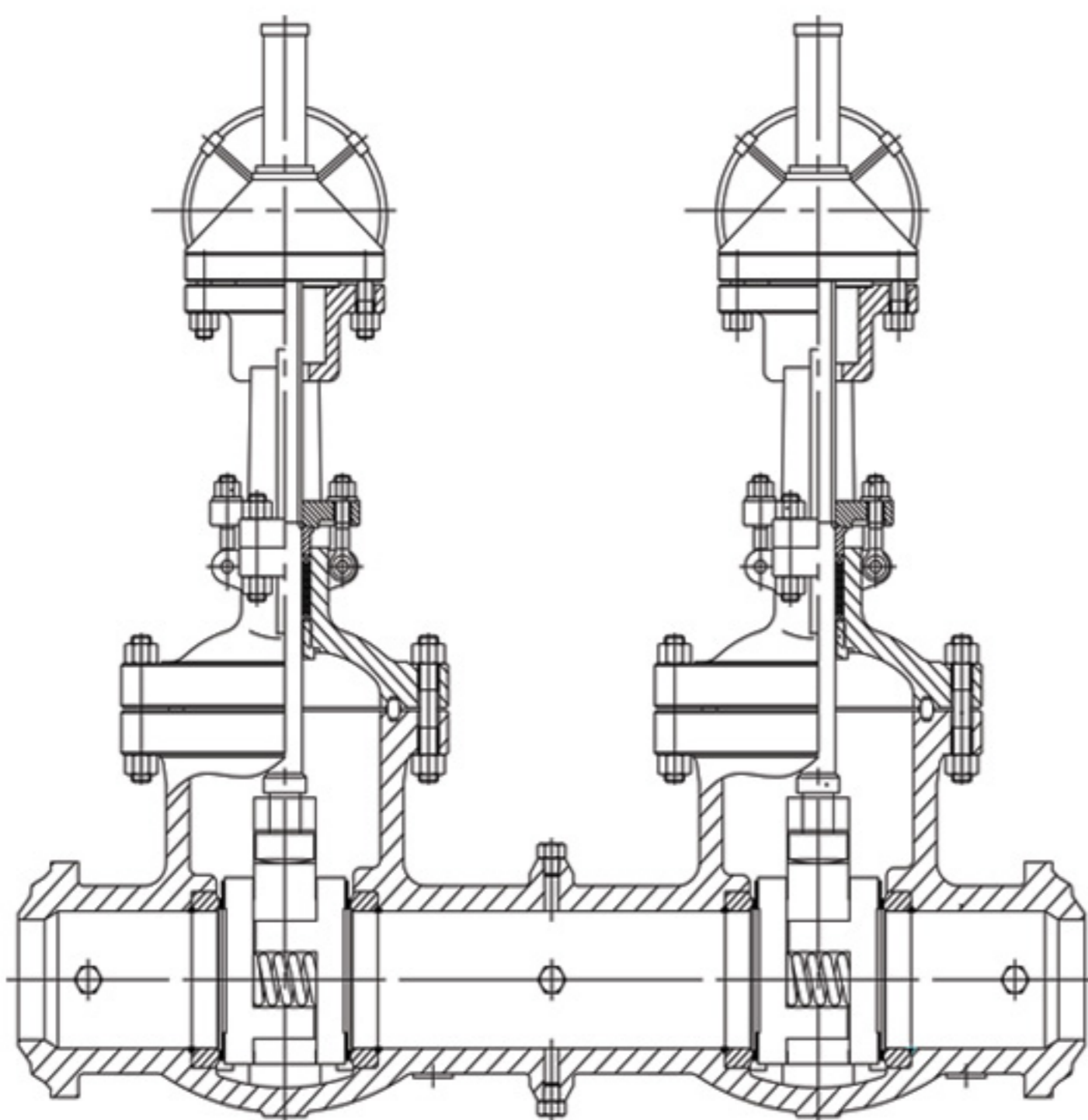
Using standard valves, excessive heat causes frequent failure and loss in production. To address this, Evolution Valves routinely use materials to combat the temperature. Valve linings that are in direct contact with the hot medium can be tailored to the specific environment. Such linings include refractory (cement) and ceramics for temperatures exceeding 1000°C.

Ceramic lining is also useful in abrasive media such as furnace fly ash.



**Refractory Lined Valve**

**Ceramic  
Valve**



**DBB High Temperature Steam Valves**

### QUALITY

High Temperature processes occur in all industries over a range of applications such as superheated steam (Power), FCCU (Refining), Flue Gas (Steel Production), etc. Off the shelf solutions are usually costly as they create process inefficiencies and down time. Evolution Valves' bespoke engineering provides the answer.

### Contact Us



Evolution House  
Lime Oak Way  
Stockton on Tees  
TS18 2LS  
United Kingdom



+44 (0)1642 671471



info@evolutionvalves.co.uk

### AVAILABILITY

All of our High Temperature Valves are specifically engineered to the customer's requirements ranging from 25mm-3000mm and used for both isolation and control applications. All our valves are engineered to required industry manufacturing code and can be tested to bespoke requirements.

### Contact Us



1001 S. Dairy Ashford  
Suite 100  
Houston  
TX 77077  
USA



info@evolutionvalves.com