



# **KOSO** **PARCOL**

YOUR **CONTROL VALVE** SOLUTION PROVIDER





**SEVERE SERVICE  
CONTROL VALVES**

**INNOVATION**

**AFTER SALES  
SERVICE**



# ABOUT US

Founded in 1954, we are the Italy based company belonging to Nihon Koso Co. Ltd - Japan, a relationship that allowed us to consolidate as a leader of severe service control valves and steam desuperheating systems.

We are a team of highly knowledgeable professionals, ready to serve the most demanding customers, from EPC contractors to End Users of industrial plants. Our commitment begins from the initial request for quotation of our products and continues during the normal plant operation for the entire life of the valve.



## DESIGN

Design and innovation are central to our business. For those items requiring tailored solutions, our engineering department takes care of the Client's requirements and develops the detailed engineering of the valves.



## PRODUCTION

Due to the wide range of products and the stringent requirements of our Clients, flexibility is a key factor. Particular care is therefore dedicated to the coordination of all activities related to the production process: procurement, manufacturing, assembling, testing, delivery, supported by an advanced and fully integrated ERP software.



## AFTER-SALES SERVICE

After-sales services are essential for our Clients: we are committed to providing excellent assistance during commissioning, start-up and throughout the entire valve's life. We guarantee a fast-track spare parts service and upgraded solutions based on data collected directly from plants over the last decades.

## OUR PROCESS

### RFQ AND OFFER

Our Sales Engineers support the Client at offer stage to find the best technical and economical solutions. Each valve is individually sized and selected, considering all the fluid dynamic aspects to avoid cavitation and noise generation, and selecting the proper material to limit corrosion or erosion during valve operation.

### ORDER MANAGEMENT

Once an order is received, our team of Project Managers and Engineers monitors every step of our activity, from the beginning of the project to the shipment, working in synergy with the customer's Engineering and Quality teams.

### DOCUMENT MANAGEMENT

Engineering and quality documents are critical both for the internal production process and for the development of our customer's project. A dedicated team ensures that all documents are timely generated and approved in line with the client requirements.



# APPLICATION SECTOR



## POWER GENERATION

FOSSIL • NUCLEAR • GEOTHERMAL • BIOMASS • WASTE TO ENERGY • CSP (SOLAR)

### Solutions for:

- Utility and Industrial Boilers
- Heat Recovery Steam Generators (HRSG)
- Steam Turbines
- Gas Turbines

### Technical aspects:

- Noise emissions
- Vibrations
- Erosion
- Thermal stresses (cycling)



## AMMONIA - UREA PLANTS

CO2 AND AMMONIA STRIPPING TECHNOLOGY

### Solutions for:

- Stripper letdown
- NH3 pump minimum recirculation flow
- Carbamate pump minimum recirculation flow
- CO2 to reactor
- Reactor vent

### Technical aspects:

- High pressures
- Corrosive fluids
- Crystallizing fluids



## OIL & GAS

OIL & GAS PRODUCTION • GAS PROCESSING • PETROCHEMICAL • REFINING

### Solutions for:

- Compressor antisurge
- Pump minimum recirculation flow
- Gas to flare
- Emergency steam vents
- High pressure let down
- Auxiliary power unit

### Technical aspects:

- Erosive and corrosive fluids
- Fugitive emissions (toxic or lethal)
- Cryogenic service



## DESALINATION PLANTS

MED (MULTI-EFFECT) • MSF (MULTISTAGE FLASH) PLANTS

### Solutions for:

- Brine Dp
- Brine recirculation
- Steam to brine heater
- Sea water make-up

### Technical aspects:

- High flowrates
- Corrosion
- Cavitation
- Noise emissions



# OUR PRODUCTS



**PRDS**  
SERIES 1-5700

**SIZE:** up to 60"  
**RATING:** job rating  
**BODY:** CS / CrMo



**UREA CONTROL VALVE**  
SERIES 1-4800

**SIZE:** 3/4" - 12"  
**RATING:** PN 160 - 320 - 420  
**BODY:** SS / Duplex



**VeGA CONTROL VALVE**  
SERIES 1-6940

**SIZE:** 3/4" - 24"  
**RATING:** 150 lbs - 2500 lbs  
**BODY:** CS / CrMo / SS / Duplex SS



**TANDEM PLUG CONTROL VALVE**  
SERIES 1-7000

**SIZE:** 1" - 3"  
**RATING:** up to 4500 lbs  
**BODY:** CS / CrMo



**THREE WAY CONTROL VALVE**  
SERIES 1-0003

**SIZE:** up to 12"  
**RATING:** 150 lbs - 600 lbs  
**BODY:** CC / SS / Duplex



**SPRAYSAT DESUPERHEATER**  
SERIES 1-4442

**SIZE:** 1" x 3" - 3" x 6"  
**RATING:** job rating  
**BODY:** CS / CrMo



**LIMIPHON CONTROL VALVE**  
SERIES 1-9000

**SIZE:** 1" - 36"  
**RATING:** up to 4500 lbs  
**BODY:** CS / CrMo / SS / Duplex SS



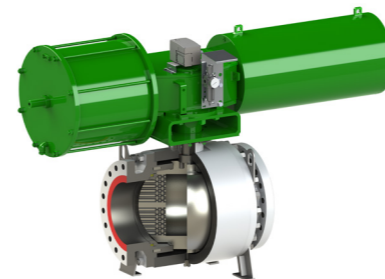
**VeGA CRYO CONTROL VALVE**  
SERIES 1-6940

**SIZE:** 3/4" - 24"  
**RATING:** 150lbs - 2500 lbs  
**BODY:** SS



**VARISTEP CONTROL VALVE**  
SERIES 1-6962

**SIZE:** 3" - 16"  
**RATING:** up to 2500 lbs  
**BODY:** CS / CrMo



**BALL CONTROL VALVE**  
SERIES 4-4000

**SIZE:** 2" - 48"  
**RATING:** 150 lbs - 2500 lbs  
**BODY:** CC / SS / Duplex



**BUTTERFLY CONTROL VALVE**  
SERIES 1-2483

**SIZE:** 8" - 80"  
**RATING:** PN 6-16  
**BODY:** CC / SS / Duplex SS



**PROBE DESUPERHEATER**  
SERIES 3-4000

**SIZE:** up to 6"  
**RATING:** 150 lbs - 1500 lbs  
**BODY:** CS / CrMo





FROM 1954  
YOUR CONTROL VALVE SOLUTION PROVIDER.



**KOSO PARCOL**

70 YEARS ANNIVERSARY



# **KOSO PARCOL**

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