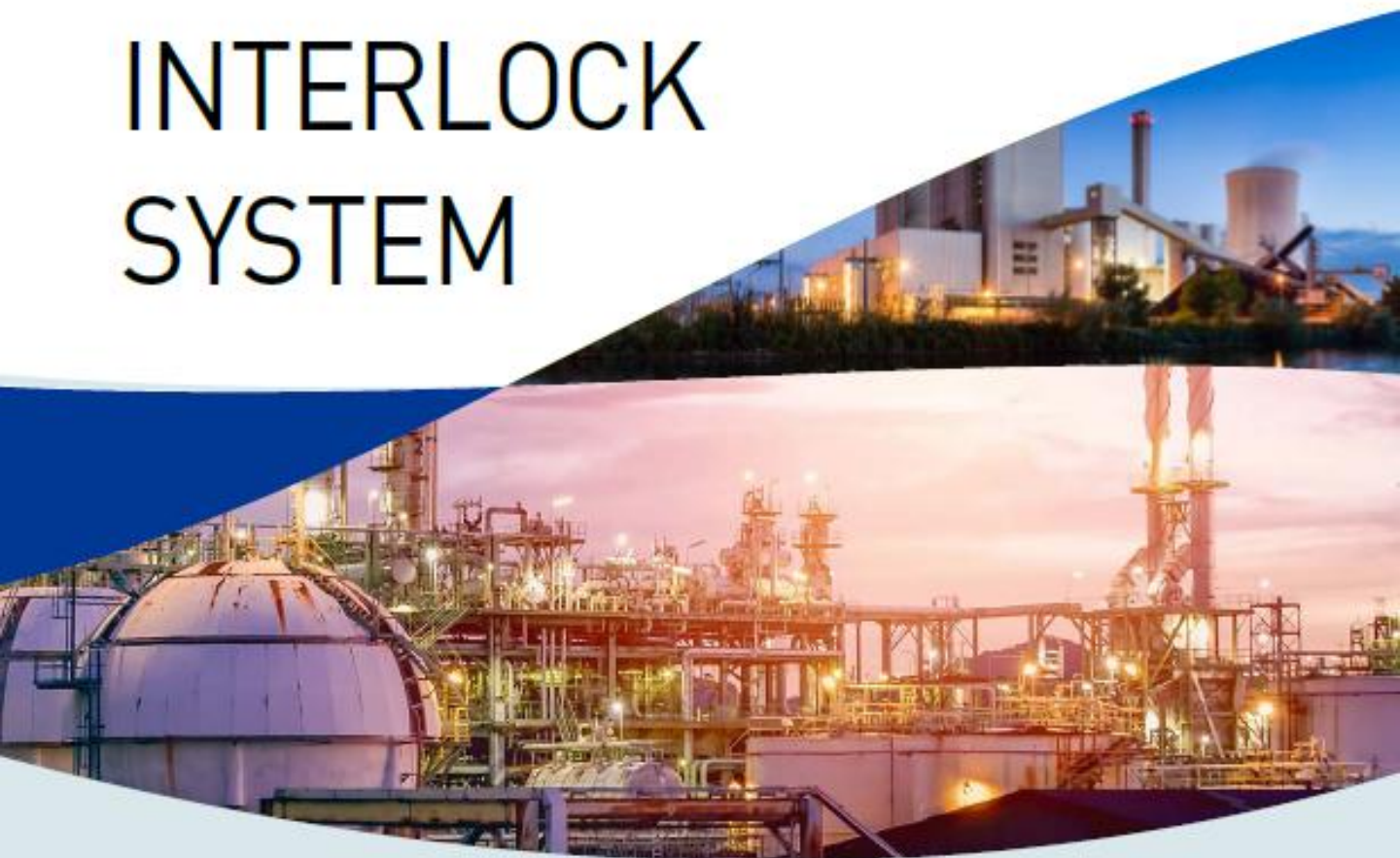


KVA

INTERLOCK SYSTEM



KVA INTERLOCK SYSTEM

- SHIPBUILDING
- OFF-SHORE PLANT
- OIL&GAS PLANT
- PETRO CHEMICAL PLANT
- POWER PLANT

About us

Based on advanced technology and expertise, KVA provides products and solutions in the actuator and safety equipment sectors of various plant industries, ensuring customer reliability and maximum satisfaction.

Supported by our Quality and Environmental Management Systems in accordance with ISO 9001:2015 and ISO 14001:2015 standards, we deliver high-quality products and services dedicated to customer satisfaction.

VALVE INTERLOCK SYSTEM

The VALVE INTERLOCK SYSTEM consists of two or more valves and locks that can be opened and closed by interlocking the closing and opening device. A series of sequence control is carried out through this, and two keys must be inserted in the LOCKING DEVICE to open and close the valve. Free keys can only be removed when the valve is in the opened or closed position.

By making the right valve open and close in the place where valves should only be operated by authorized users, the VALVE INTERLOCK SYSTEM fundamentally prevents property damage and fatal safety accidents caused by malfunctions by HUMAN errors. VALVE INTERLOCK SYSTEM can be applied when a sequence is required to open and close the valve for accident prevention, product protection, and process stability in the following places.



KVA INTERLOCK SYSTEM

| Valve Interlocks Types

HVL (HANDWHEEL VALVE LOCK)

Applied to INTERLOCK of MANUAL HANDWHEEL VALVE / ACTUATOR such as GATE/GLOVE VALVE and GEAR BOX



LVL (LEVER VALVE LOCK)

Applied to LEVER OPERATED VALVE INTERLOCK such as BALL VALVE and BUTTERFLY VALVE



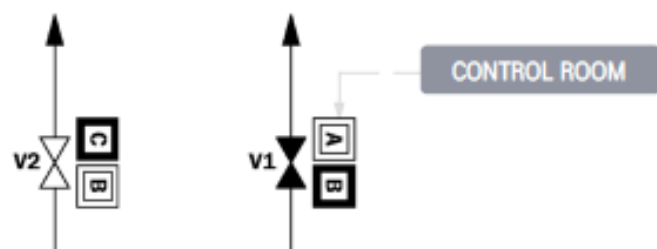
ADVANTAGE

KVA Interlocks are manufactured in Korea in precision casting method by using AISI 316 STAINLESS STEEL, making it also suitable for corrosion and extreme environments. Having a simple structure, KVA Interlocks require no maintenance and are easy to install without operating the valve. KVA Interlocks are designed with unique key coding to ensure that only the correct key is inserted, and the dust cover closes itself to block foreign substances getting in. KVA Interlocks can be unlocked and locked simply by inserting and removing the correct linear type key without any operation

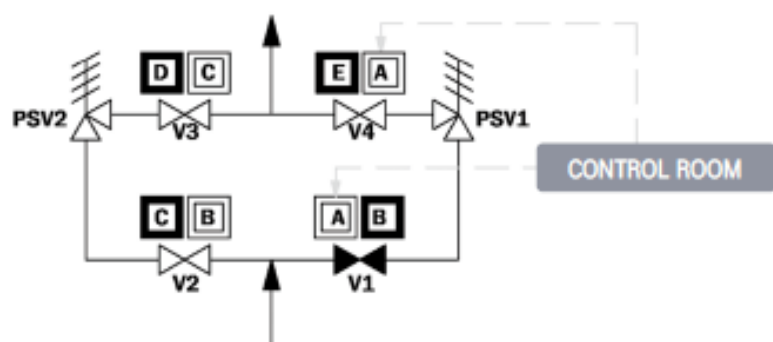


Application example

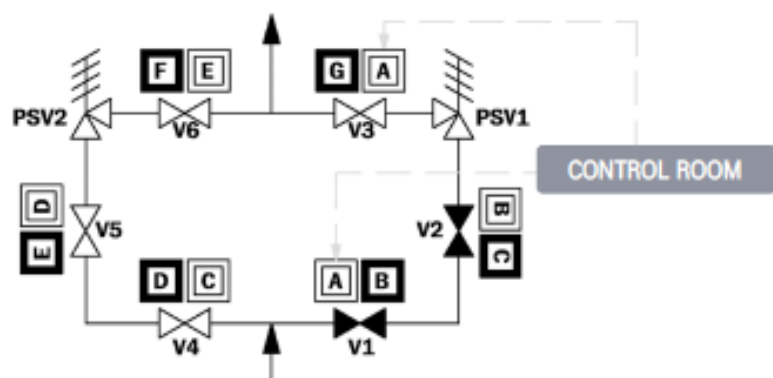
CASE-1



CASE-2



CASE-3



APPLICATION

- Pressure relief valves
- Inert gas systems
- Flare lines
- Decoking
- Pig launching / receiving
- Pump startup
- Boiler blowdown

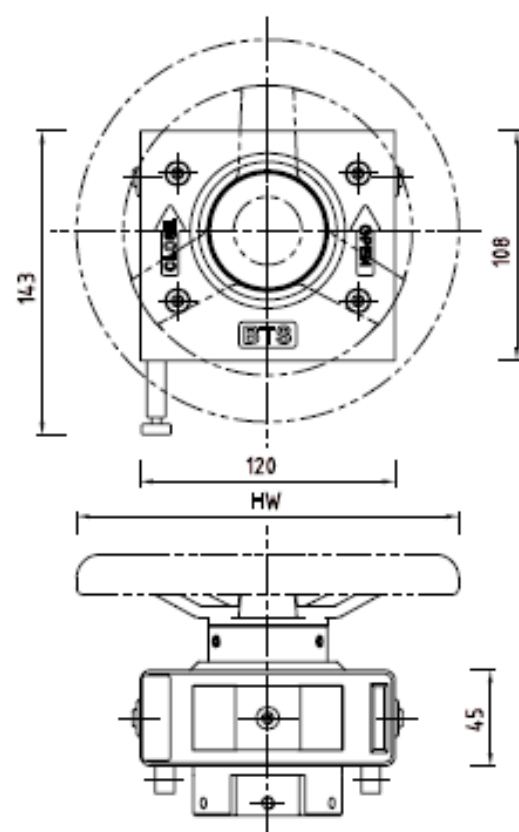
LEGEND

- VALVE OPEN
- VALVE CLOSED
- KEY FREE
- KEY TRAPPED

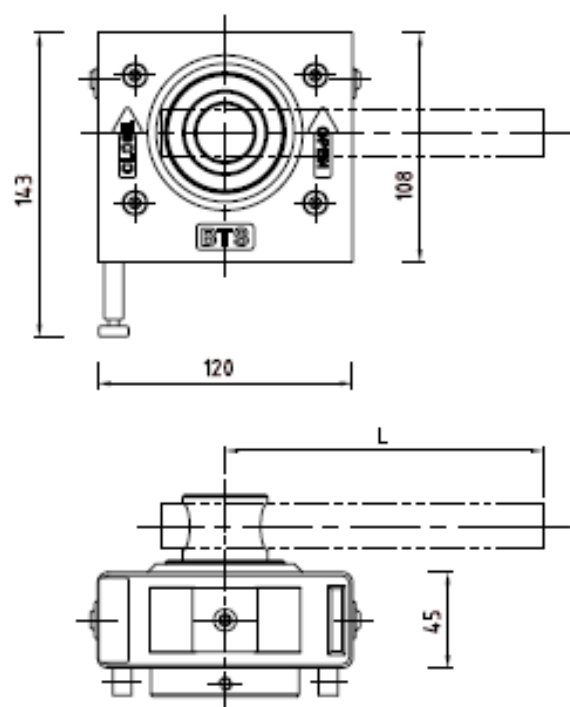
KVA INTERLOCK SYSTEM

Dimension

HVL



LVL



HW : 180/280/380/500/ Optimum Size
L : 150/250/350/450/550/650/ Optimum Size



Accessories

PCL (CLOSURE LOCK)

- By applying to PRESSURE WARNING SCREW of QUICK OPEN CLOSURE for PIG LAUNCHER/RECEIVER TRAP, it is used to help correct operation by user's safety and accurate sequence.

SCL (SWITCH CONTROL LOCK)

- Manufactured to fit the shape of MOV or other switches to prevent user's malfunction.

PIU (KEY EXCHANGE UNIT)

- Connected to SCL by applying to MOV/GOV and can proceed to the next operation by checking the opened and closed status of valve.

KEY CABINET, KEY HODER

- Produced in basic STAINLESS STEEL material to meet customer requirements.

LOCKOUT

- Reusable door lock device that prevents the arbitrary use of valves, machinery and equipment by other than the approved operator.

CARSEAL

- Works like LOCKOUT and used as single-use



PARTNERS





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