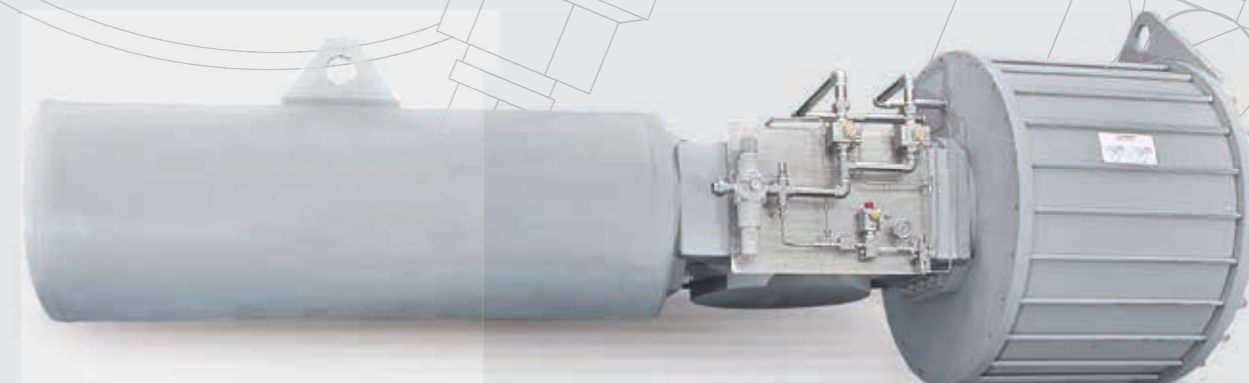




FLV-Pneumatic Actuator



Heavy-duty Valve
Actuators For Industrial
Process Controls

Design Features

BG series scotch actuator adopt the modularity design to suit to various quarter turn valves such as ball valve, butterfly valve and plug valve. All connection as per ISO5211 mounting flange standard. That can be suitable for all kinds of valves.

1.modularity design for easy stock and urgent delivery .

2.safety design for all spring with whole sealing and no one can contact the risk .

3.high accuracy to keep the lowest force of friction that will right output torque and long life cycle.

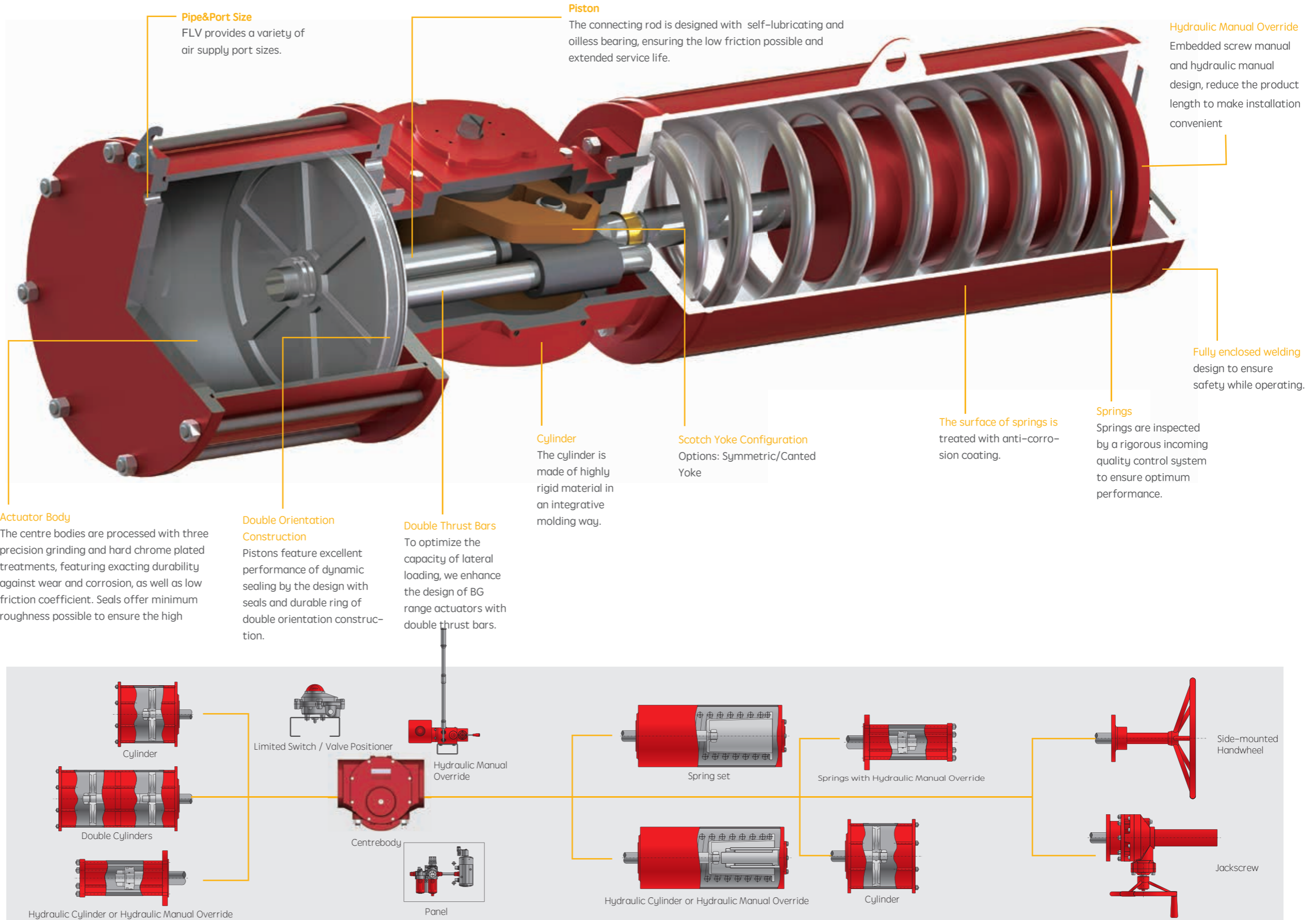
4.Nickel plated or Chrome Plated internal surface that will less the roughness and make high corrosion protection.

5.Low friction for all moving sealing that all reduction all loose of efficiency.

6.Rating output torque range: 360N.m to 110000 N.m .

7.Low Temperature Extremity: Extra-Low-60、Low-40、Normal-20.

8.Manual override: Screw Rod、 Gear Box、 Manual Hydraulic Pump .



Modular Configuration Modular design allows for effective selection and sizing of actuators, available for online maintenance of multi-functional modules. The configuration of BG range products allows the parts which include cylinders, spring sets and manual overrides to be assembled together in various ways, from which actuators with the various sets can be complemented for control valves.

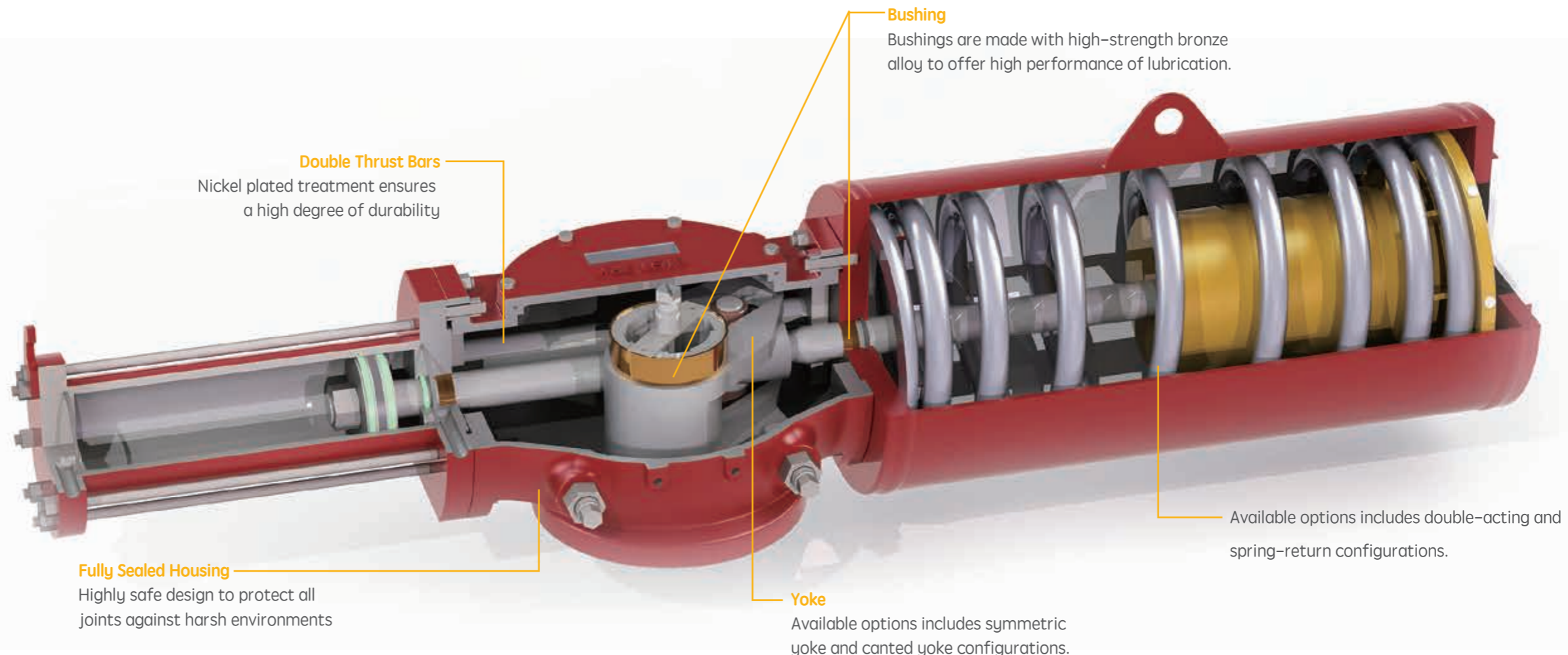
Hydraulic Actuator Characteristics

BTS-Gxx-H series is designed with a quarter-turn hydraulic actuation configuration, suitable for on-off and modulating valves.

The design and materials ensure optimum performance in the harshest environments, covering the applications on both sea and land.

The design of BTS-Gxx-H series is aimed at offering high reliability and maximum flexibility to work with various valves with a full range of pressure classes.

BTS-Gxx-H series features double torque outputs, assured safety and flexibility of mounting various accessories to automatically control the operation of valves.

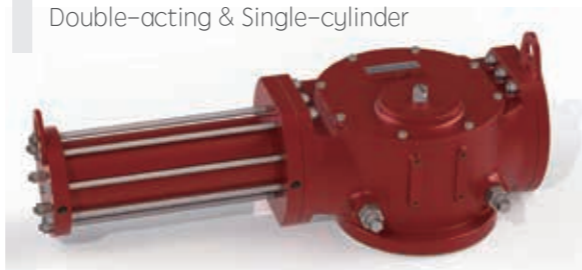


Hydraulic Actuator

Hydraulic actuator is the type of actuator which can convert the hydraulic fluid into energy to implement preset actions and perform a variety of functions.

Hydraulic actuator has compact construction and features smaller size, lighter weight as well as lower inertia force on the same outputs.

Hydraulic Actuator – Double-acting & Single-cylinder



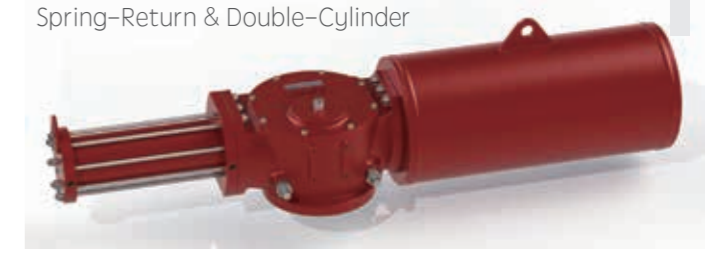
Double-acting actuator with single cylinder is one of the most commonly used configuration among hydraulic actuators. It has the advantages of simple structure and reliable performance.

Hydraulic Actuator – Double-acting & Double-cylinder



With two hydraulic cylinders on each side, double-acting actuator can deliver twice the torque output and offer reliable performance as its balance of torque outputs during operation.

Hydraulic Actuator – Spring-Return & Double-Cylinder



Spring-return actuators are capable of being fail to open and fail to close in accordance with customer requirements.

Advantages

Extended Life

The processing of grinding with low coefficient of friction, along with chrome plating of cylinders provide high performance and long service life. Yoke is designed with high-strength sealing, enabling that the structure remains stable and undeformed to operate safely and reliably under high torque values.

Modular Design

The BG range products are compact and lightweight. Either symmetrical or canted actuator is designed to offer adequate torque values. Interchangeable power modules and spring sets allow for easy and quick spring resetting without any risks. Hydraulic seals are able to be replaced easily on site by the construction of hydraulic cylinders.

Reliable Safety

Spring modules with welded carbon steel housing ensure high efficiency as well as maintenance activities that can be performed safely with no unexpected operation caused by corrosion of the bolts.

High Efficiency

The inner surface of the housing is coated with a waterproof layer for high quality corrosion protection. Carefully selected materials as well as the surface treatment offer high performance to resist wear and prevent torque loss during service life. All parts that require threaded connection allow thread to be rotated in position. Stroke between 85 and 95 degree is available to be adjusted.