

New Damcos high-torque actuator:
Finally, the highest power
comes in the smallest size



DAMCOS™


EMERSON™
Process Management



The ultimate combination made possible: the highest power; the smallest size

The new Damcos BRCF 16000HT is the market's smallest and most powerful single-acting actuator for large valves and valves requiring very high torque.

You will be surprised how much power it is possible to provide in no more than 1235 mm height and 720 kg weight. But the small size and high power are not the only benefits of our latest actuator innovation.

We have used our marine and offshore experience as well as our in-depth knowledge in mechanics and hydraulics, to design an actuator that is also easy to install and maintain. All this is achieved without compromising the reliability and accuracy required

in demanding daily onboard operations. The result: power and control in a compact and easy-to-install actuator that will prove to be a sound investment onboard any type of ship and offshore unit.

Torque where and when it's needed: at end-closing

The unique spring piston design has two different effective diameters, each activated by the control block according to the actuator position, giving two possible torque levels from the same spring force. One piston diameter compresses the springs during the opening of the valve, the other piston diameter provides torque, where and when it's needed.



As an extra safety feature, mechanical locks maintain the valve in the closed position, in the unlikely event of a hydraulic pressure drop inside the actuator.

Longer life-time and improved safety

Exact control of the hydraulic oil flow and pressure provides an optimized torque distribution over the valve movement, thus avoiding damage to valves and piping. This extends the lifetime of valves and piping and lowers maintenance cost. Environmental and onboard safety will also be improved, since risk of damage to the valve spindles will be minimized.

As an extra safety feature, mechanical locks maintain the valve in the closed position, in the unlikely event of a hydraulic pressure drop inside the actuator.

Easy installation and integration

Thanks to its small size, the Damcos BRCF 16000HT can be fitted into narrow spaces and valve hubs without the need for pipe support, speeding up and cutting installation cost.

It uses Damcos' standard control block system, which conveniently integrates flush systems, filters, relieve valves and position indicators, making it a cost-efficient choice.

So if you have the need for a powerful actuator to handle your big size valves, we are happy to demonstrate how the BRCF-16000HT can improve your ship's or offshore unit's operation by providing power and reliability in a new innovative design with high quality and long lifetime efficiency.

– Emerson. Consider it solved.

Valve remote control is essential for a safe and reliable handling of valve actuation, both at sea and in port.

Damcos provides an extensive range of actuators for different types of valves and offers the most compact and space-saving actuators for all types of ships. Damcos Valve Remote Control is a vital part of Emerson's marine tank management offering.

Our other brands include Rosemount Marine for Cargo Monitoring and LevelDatic and MAS2600 for Ballast & Service Tank Level Gauging.

Emerson's Marine Tank Management system is a complete solution for integrated control and monitoring, including alarm monitoring on any type of ship and offshore unit. The operator can be confident of integrity and quality in decisions with the full overview provided in a user-friendly interface. The result is safe operation and better throughput, based on robust, reliable and timely data.

We offer one-stop-shop efficiency with worldwide support in all phases, from design through to long-term profitable operation of the ship.

www.emersonprocess.com/mtm

