

SCHIEBEL

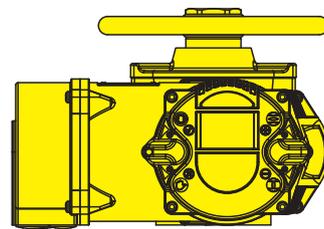
cm series

**Your Success
is our Driving Force.**

3 level concept

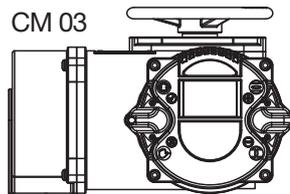
1 Basic Setting

Explosion Protection
Power Supply
Corrosion Protection
Ambient Conditions
Network Connection

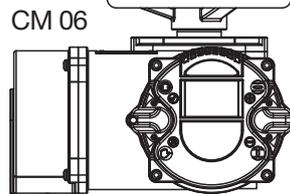


2 Sizing

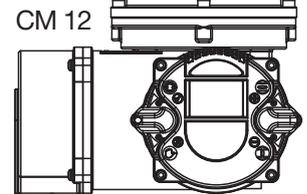
CM 03



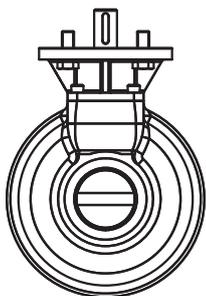
CM 06



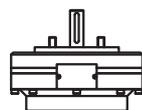
CM 12



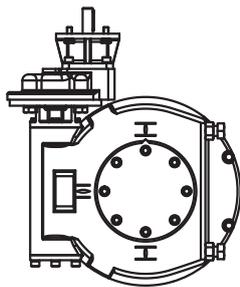
3 Components



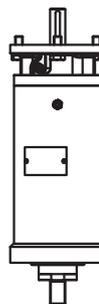
Multiturn
Bevel Gear



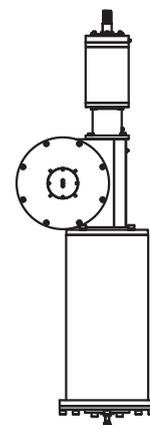
Part-Turn
Planetary Gear



90°
Worm Gear



Linear
Ball Screw Gear



90° Failsafe
Spring Return



Linear Failsafe
Spring Return

cm series

Design

Using intelligent design and high-quality materials, SCHIEBEL has raised the CM Series to a whole new level in terms of longevity and availability. The low weight and compact size simplify handling and ensure that the electric actuators in the CM Series can put all their advantages on full display, even under cramped conditions. This gives planners the leeway they need.

Technology

SCHIEBEL now couples the enormous flexibility of the CM Series electric actuators with top performance. A speed ratio of 1:50 is achieved using a brushless DC motor in combination with a frequency converter. This technology enables extremely high actuator speeds while also achieving ultra-precise control to the nearest 0.1%. For users, this opens up new possibilities that extend far beyond simple ON/OFF functionality. Dynamic, smooth movements go easy on the drive and fittings while the highly accurate variable-speed control unit predestines the CM Series for a large number of applications in process automation.

Smart manufacturing

Of course the actuators in the CM Series can be networked by means of Internet-based bus systems. The interfaces required for this are all available. With a BT app and PC software developed in-house, SCHIEBEL has come up with the right answer to current and future questions relating to Industry 4.0 and the Internet of Things – covering everything from parameter setting and troubleshooting to remote maintenance.

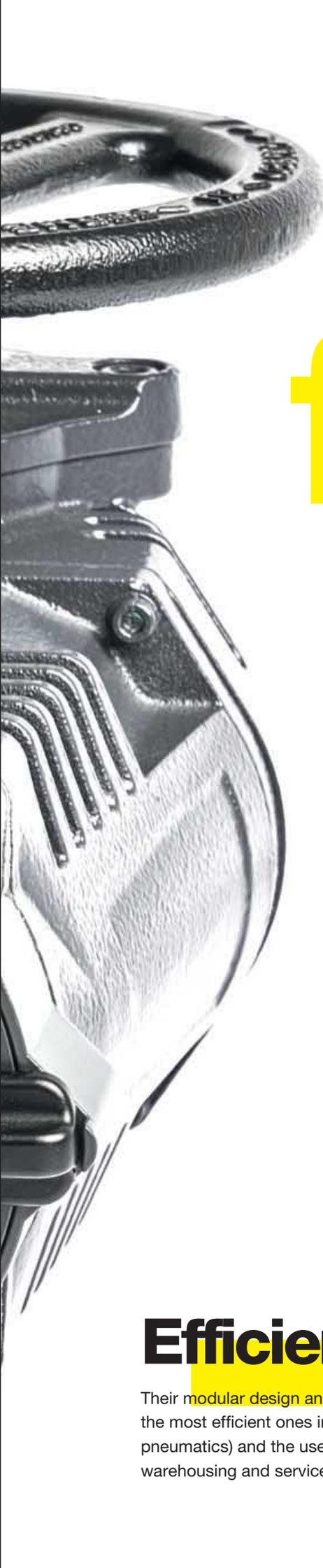
Modular system

The CM drives from SCHIEBEL are built from scratch in modular design. A small number of components, which are also identical across most of the size versions, is wed here with a large number of options to provide customers with precisely the functions they need for their application, as required. This means, on the one hand, maximum cost-efficiency because features not needed for the actual application do not have to be purchased and on the other, the utmost flexibility for system planners and operators because a subsequent upgrade is possible for most of the functions.



SCHIEBEL





total flexible

Engineering

One of the core areas of expertise and a reason for the success of the CM technology thus far has been the hardware and software engineering conducted in-house at SCHIEBEL. The perfect coordination of hardware and software helps the user in setting parameters and in handling operations. With many projects becoming increasingly international in character, SCHIEBEL has integrated multi-voltage inputs in its CM drives. This allows them to be used globally without any hardware adaptation.

Service

Personal service, quick on-site support and comprehensive online documentation ensure the trouble-free installation and the safe, reliable operation of all products from SCHIEBEL.

Failsafe

All size versions in the CM Series can be equipped with an optional mechanical spring that guarantees safe, reliable opening and closing in the event of a failure – even in a power outage. If the mechanical fail-safe function is employed parallel to the electric drive, the stroke can be accelerated by as much as a factor of 10 if necessary. The CM Series actuators therefore combine precise operational control with rapid closing and opening if required by the process. This guarantees maximum availability along with maximum safety.

Efficiency

Their modular design and high degree of flexibility make the CM Series electric actuators the most efficient ones in their class. The elimination of other technologies (hydraulics/pneumatics) and the use of electric actuators yield great cost savings in operations, warehousing and service.

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-actuators
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