



Fenner® Inverters

The Fenner® range of Inverters offer simple, precise and powerful control, delivering the very best in performance and energy efficiency - time after time.



QD:Neo

Constant Torque 0.75kW - 200kW

Controlling the latest generation of permanent magnet motors and standard induction motors.

- > Just 14 basic parameters
- > Pluggable control terminals
- > Internal RFI filter complies with the latest EMC standards
- > Up to 32kHz Output Switching Frequency gives ultra quiet motor operation
- > Integral Brake Transistor
- > Modbus and CANopen as standard
- > IP20, IP55 & IP66 enclosures
- > Bluetooth compatible Q-Stick for fast, accurate repeat programming



QD:Flow

Variable Torque 0.75kW - 250kW

Dedicated to optimising efficiency in pumping and HVAC systems.

- > 14 basic parameters
- > Internal RFI filter
- > Belt brake detection
- > Anti-ragging function
- > Fire-mode
- > Spin start
- > Bypass mode
- > BACnet and Modbus RTU as standard
- > Maintenance interval timer
- > Multi-language OLED display
- > Intelligent standby

ERIKS

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Fenner® Hygienic Geared Drives

In environments that demand an especially high level of hygiene or use aggressive cleansing agents that eat traditional drives, the Fenner® range of Hygienic stainless steel geared drives provides complete inter-changeability with any existing motor population for simple upgrades offering up to **20 times** the service life.

Designed specifically for wash-down duty applications using acid or alkaline solutions required for food, beverage, pharmaceutical or process industries and manufactured in chemical resistant Stainless Steel AISI304/316 with an electrolytic polished surface.

The hygienic characteristics are further complimented by the smooth exteriors free from indentations and catchment areas to prevent the accumulation of dirt, speeding up the cleaning process.

All Fenner Hygienic Geared Drives include;

- > Unique anti condensation breather
- > Hygienic Design, smooth and free draining surfaces
- > Corrosion and chemical resistant high quality electro polished stainless steel AISI 316
- > No ID plates, specifications are etched on the surface
- > IP66 (optional IP69 (K)) to withstand sanitary washdown

Contamination is most important cause of food poisoning, 90% of bacteria contamination is caused by bad Hygienic Design.

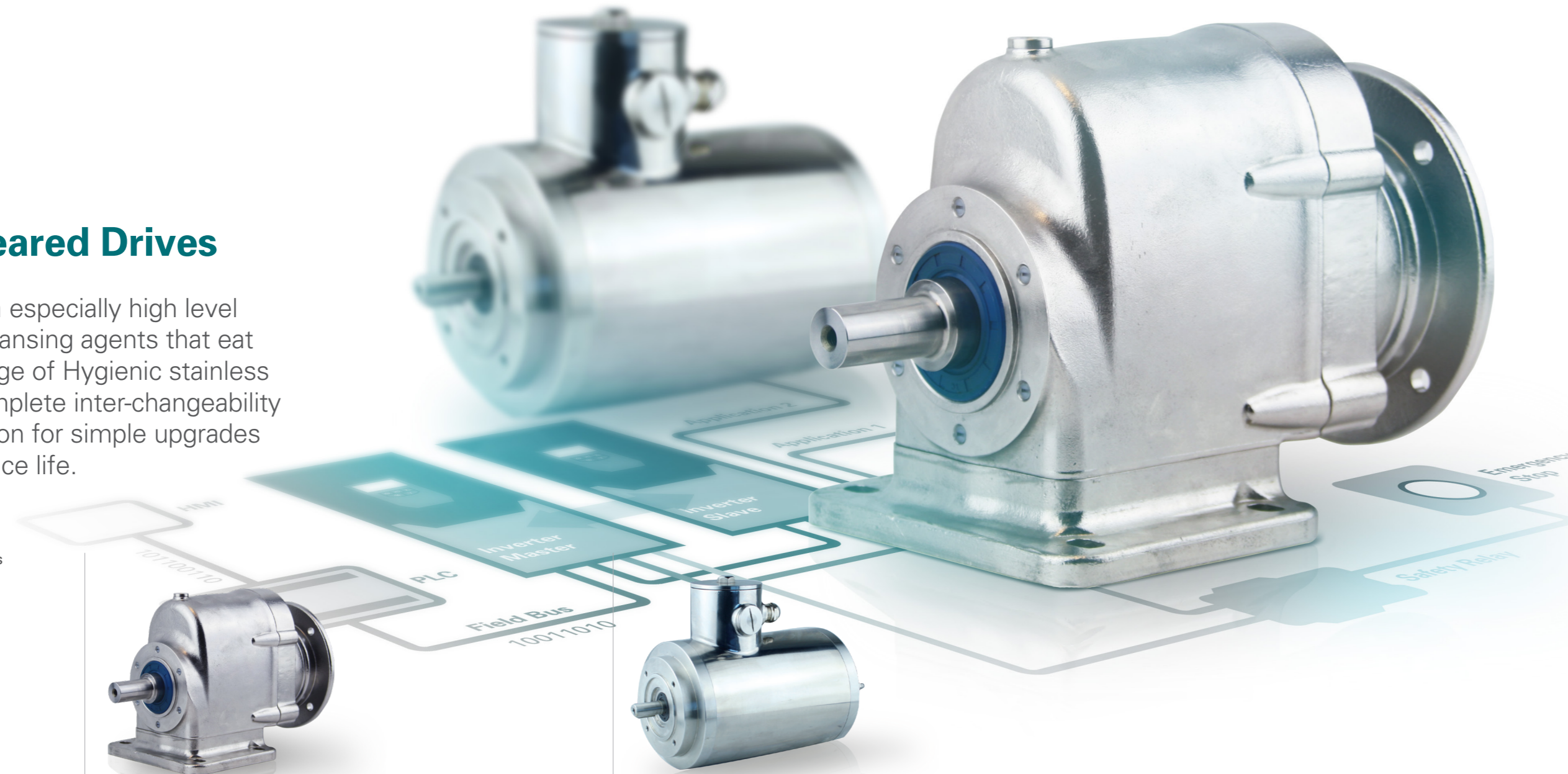
EHEDG (European Hygienic Engineering & Design Group)

Geared Unit range

- > Interchangeable with European standard footprints
- > Dry fit IEC mounting
- > Filled with USDA H1 food grade lubrication and Blue FDA approved oil seals
- > Stainless steel AISI 316 breather

Motor range

- > IEC interface
- > Class F isolation
- > Built-in PTC motor thermal protection
- > IE2 or IE3 efficiency
- > Suitable for frequency inverter duty
- > O-ring sealed terminal box
- > C3 bearings with O-ring protected shields



Range

Totally Enclosed Non Ventilated
0.12kW to 0.75kW

Mounting

Totally Enclosed Fan Cooled
0.75kW to 7.5kW



The unique anti condensation breather balances the pressure difference between the internal air of the sealed motor and the surrounding environment.

The design incorporates a special membrane that allows air to pass but keeps moisture and dirt out to protect the bearings and windings.

All of our stainless steel motors and gearboxes have these fitted as standard if required by the design.



	Motors	Coaxial Drives	Helical Worm	Parallel shaft	Bevel Gear	Worm Gearbox	Hypoid Bevel Gear	Coaxial Drives
Power (kW)	FMH – 0.12kW – 0.75kW TENV 0.75kW – 7.5kW TEFC	MH 0.12 - 7.5	CH 0.12 - 4,0	FH 0.12 - 11	KH 0.12 - 7,5	WH 0,12 - 0,75	0,12 - 3,0	0,12 - 3,0
Shaft diameters (mm)	B3/B5/B14A/B14B/B35/B34A/B34B	30, 35, 40, 45, 50 & 60	20, 30, 35, 40 en 45	30, 35, 40, 45, 50 en 60	30, 35, 40, 45, 50 en 60	18 - 25	20, 25, 30 en 35	20, 25, en 30
Ratio's	2, 4, 6 P / 8P on request	3,77 : 1 t/m 228,99 : 1	6,80 : 1 t/m 217,41 : 1	3,77 : 1 t/m 228,99 : 1	3,98 : 1 t/m 144,79 : 1	7,5 : 1 en 100 : 1	7,5 : 1 t/m 300 : 1	3,66 : 1 t/m 54,00 : 1
Torque (Nm)		1550	520	3000	2700	140		
Options								
Output Flanges		Y	Y	Y	Y	Y	Y	Y
Easy clean open and closed shaft covers			Y	Y	Y	Y	Y	
Easy clean torque arm		Y	Y	Y	Y	Y	Y	
Footplates				Y	Y	Y	Y	Y
Lubrication with Halal, Kosher or Nut free certification		Y	Y	Y	Y	Y	Y	Y
Mirror polishing		Y	Y	Y	Y	Y	Y	Y
Single sided solid output shafts			Y		Y	Y	Y	
Hollow output shaft		Y						
Solid output shafts				Y				