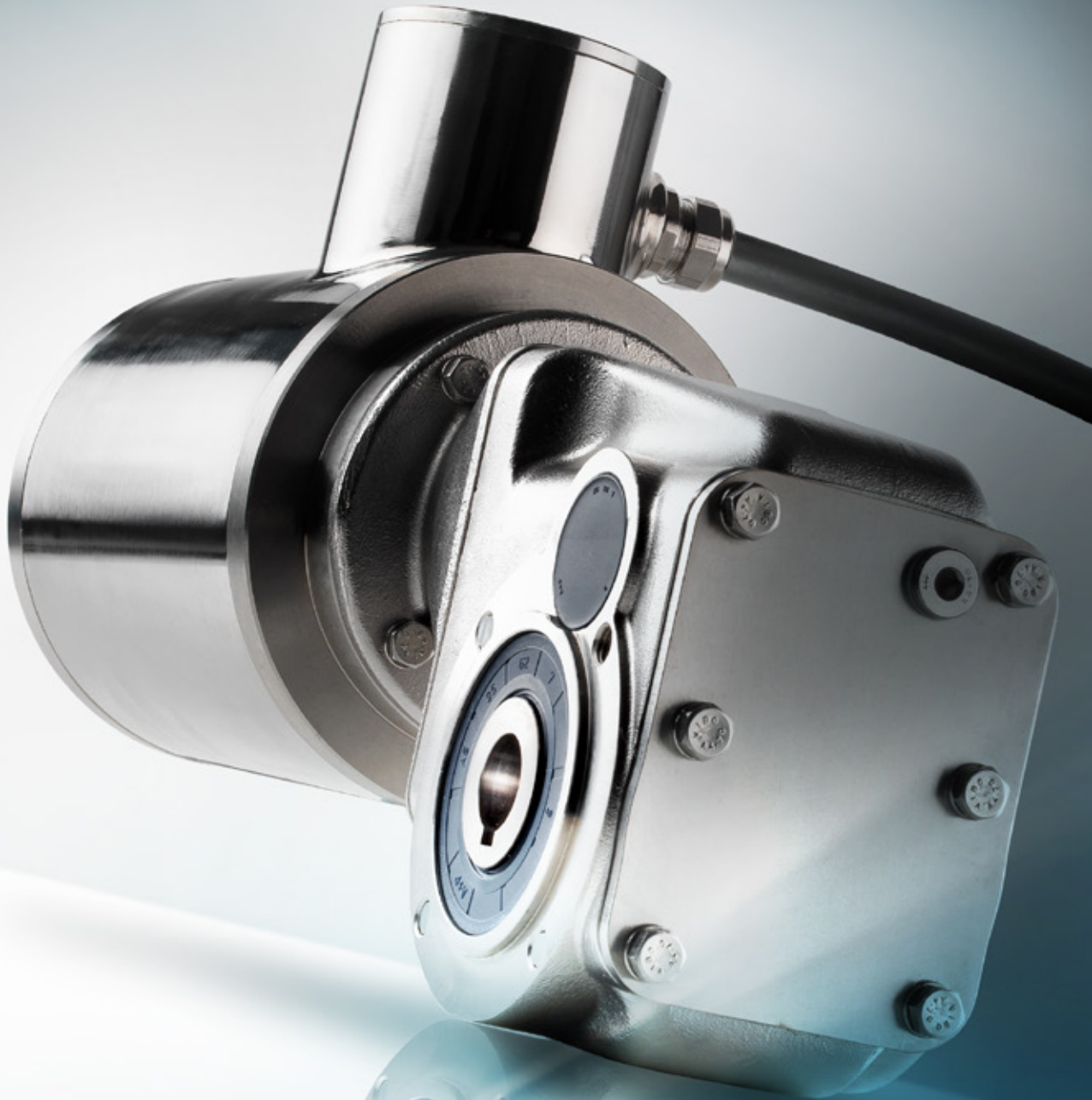


GEARBOXES



Hygienic Geared Drives



Fenner[®]

Reliable | Trusted | Connected



Reliable | Trusted | Connected

Fenner® Hygienic Geared Drives

In environments that demand an especially high level of hygiene or use aggressive cleansing agents that corrode 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 **15 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;

- > 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

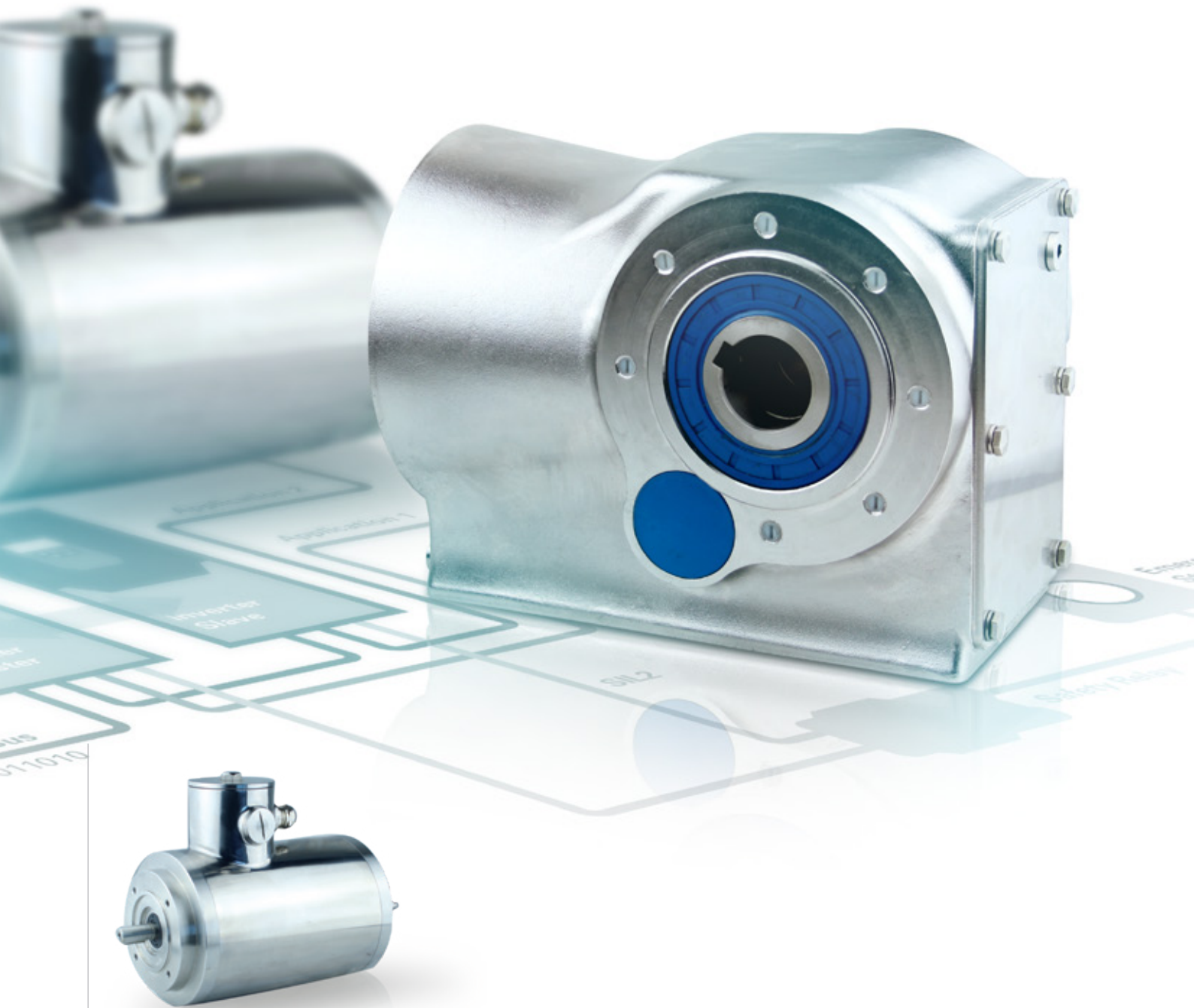
Contamination is the most common cause of food poisoning, 90% of bacteria contamination is caused by bad Hygienic Design.



Geared Unit range

7 types, up to 3,000Nm

- > 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

Power range 0.12kW - 7.5kW

- > IEC interface
- > Unique anti condensation breather
- > Class F isolation
- > Built-in PTC motor thermal protection
- > IE2 or IE3 efficiency
- > Suitable for frequency inverter duty
- > O-ring sealed terminal box

Motors	
FMH	
Power (kW)	0.12kW - 7.5kW (*) 11 - 18.5kW
Shaft diameters (mm)	B3/B5/B14A/B14B/B35/B34A/B34B
Speed/Max Ratio's	2, 4, 6P / 8P on request
Torque (Nm)	
Options	
Output Flanges	Y
Easy clean open and closed shaft covers	
Easy clean torque arm	
Footplates	
Lubrication with Halal, Kosher or Nut free certification	
Mirror polishing	
Hollow output shaft	
Solid output shafts	



Range

Mounting

Totally Enclosed
Non Ventilated
0.12kW to 0.75kW

Totally Enclosed
Fan Cooled
0.75kW to 7.5kW



B3



B5



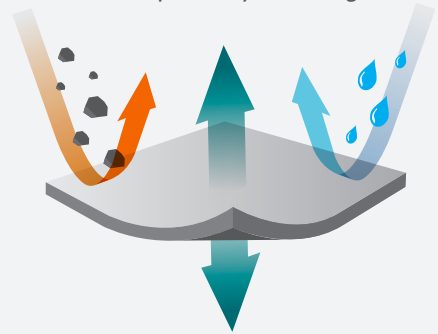
B14a



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.



Coaxial Drives	Helical Worm	Parallel shaft	Bevel Gear	Worm Gearbox	Hypoid Bevel Gear	Coaxial Drives
MH	CH	FH	KH	WH	KHS	MHI
0.12 - 7.5	0.12 - 4.0	0.12 - 11	0.12 - 7.5	0.12 - 1.5	0.12 - 3.0	0.12 - 3.0
25, 30, 35 (**), 40, 45	20, 30, 35, 40, 45	30, 35, 40, 45, 50, en 60	30, 35, 40, 45, 50 (**), 60	18 - 25	20, 25, 30 and 35	20, 25 and 30
247 : 1	217 : 1	281 : 1	145 : 1	100 : 1	300 : 1	54 : 1
600	520	3000	2700	152	500	152
Y	Y	Y	Y	Y	Y	Y
Y	Y	Y	Y	Y	Y	Y
Y	Y	Y	Y	Y	Y	Y
Y	Y	Y	Y	Y	Y	Y
Y	Y	Y	Y	Y	Y	Y



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 - 250kW

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



QD:Evo

Easy to use 0.37kW - 11.0kW

Simple commissioning, 12 basic parameter settings, default settings suitable for most applications.

- > Internal RFI filter for full EMC compliance
- > Modbus RTU allows easy integration with your control and monitoring systems
- > Compact enclosures help minimise your space requirements
- > Brake chopper on sizes 2 & 3, dynamic and compact options with heatsink mounted resistor
- > High overload capacity, 150% overload for 60 seconds and 170% overload for 2 seconds

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