

New ranges!

IAW GEARED MOTORS



Geared motor ranges for the food industry

LEROY-SOMER, specialist in mechanical and electronic drive systems for industry, enhances the **IA geared motor** range, specially designed for machinery used in the food processing industry. Indeed, **a new version dedicated to very harsh atmospheres** has just been added to the existing helical-in-line **COMPABLOC 3000 IA** and worm **MULTIBLOC 2000 IA** geared motors: these are **COMPABLOC 3000 IAW** and **MULTIBLOC 2000 IAW** new geared motor ranges.

Food processing installations have to meet very strict operating requirements. It was therefore essential to design equipment resistant to this environment's special operating conditions, particularly corrosion resulting from frequent washing down, high-pressure cleaning, contact with harsh products, constant humidity, etc.

The **IAW geared motors** are perfectly designed for use with asynchronous motors in fixed speed or in centralised or de-centralised variable speeds. They meet the **food industry specific requirements** in applications such as processing, mixing, materials handling and packaging.

◆ Hygiene

The **IAW geared motors** are specially designed to meet health and safety regulations depending on the conditions of use:

- Easy to clean: **no water retention zones**,
- **Special anti-corrosion surface protection, food industry paint finish**,

- Food industry **lubricant**,
- **Stainless steel** screws and nameplate.

◆ Reliability

Durability of the **I AW geared motors** is enhanced by a highly reinforced corrosion protection:

* Reinforced waterproofing on mechanical joints:

- Waterproof sealant on flange fittings
- Waterproof cover on hollow shaft on the **MULTIBLOC 2000 IAW**,
- **Sealing cartridge on hollow-shaft** (user side).

* Reinforced waterproofing on electrical connections:

- IP 68 connector with non-releasing concentric clamp
- Flat seal under the cable gland
- Terminal box cover with nitrile seal

◆ Maintenance

The **MULTIBLOC 2000 IAW** has an anti-fretting corrosion adaptation, due to **a grease reserve, with a helical slot and hollow shaft cover**. Resulting in a hollow shaft protected against harsh environments.

In addition, the design techniques of **I AW geared motors** allow **ease of assembly and dismantling** (among other features, lockwashers and snap rings are employed to aid in assembly and dismantling on the **MULTIBLOC 2000 IAW**).

◆ The ranges

The **I AW geared motors** range is as follows:

- **COMPABLOC 3000 IAW**: 3 sizes with output torque from 20 to 800 Nm and reduction ratios from 1,2 to 200.
- **MULTIBLOC 2000 IAW**: 5 sizes with output torque from 30 à 1500 Nm and 11 reduction ratios from 7,3 to 100.