



adhesion moulding joints  
 membranes rubber plastomer  
 giunty MODELLO Blasebälge

### PISTONS



#### GLOBAL OFFER

EFJM is specialized in the design and development of sealing systems for the aeronautical, military and pneumatic fields, as well as packaging machines for liquid, viscous and pasty products.

These sealing systems are customized according to customer specification and comply with the requirements of their environment.

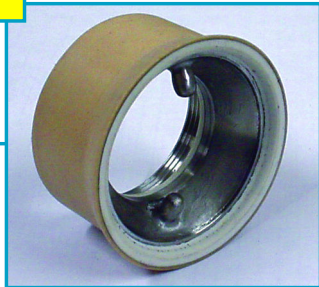
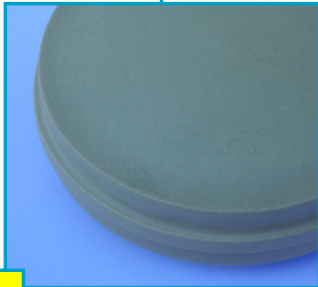
#### CONTROL OF ELASTOMERS

The optimum utilization of sealing systems in their work environment will depend on the quality of the elastomers. EFJM has developed rubber formulas specifically adapted to the utilization of the end product and has a laboratory with the equipment required to control the physico-chemical characteristics of the elastomers. It maintains an on-hand stock to effectively and promptly satisfy the different specific requests of customers.

The R & D team offers its expertise and experience to solve all sealing problems:

- PTFE/rubber/stainless steel composite pistons
- PTFE/rubber/stainless steel liners
- PTFE/composite guiding seals
- dosing membranes by deformation

Rubber is a mechanical building material with viscoelastic properties which we use to give to PTFE a "spring" effect so that it can keep the friction area (lip) in contact with the lining.



### EFJM, Range of products



EFJM is an expert in the adhesion of rubber/metal/plastomer (ptfe) products, and has acquired more than 35 years of real-world expertise and experience in the design and development of sealing systems for packaging machines of liquid, viscous and paste-

like products, particularly volume dosing pistons. The EFJM series proposes unbeatable advantages for specific applications, especially those encountered in the packaging of yogurts and creams.

SPECIALIST IN THE DESIGN AND DEVELOPMENT OF COMPONENTS FOR VOLUME DOSING SYSTEMS

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# EFJM, Range of products



## Pistons



EFJM range of pistons for volumetric dosing offer indisputable advantages when it comes to dosing applications for

liquid, viscous or paste-like products.

### Four families of pistons:

- Projected lip models
- Totally aseptic models
- Miniature models
- Double-lip models

The external shape of our pistons minimises risks of retention; their rubber interface acts as a spring and enables permanent sealing of the zone subject to friction, while the stainless steel insert facilitates command interfacing.

### The advantages of EFJM volume dosing pistons:

- Reduction of the friction coefficient,
- No retention zone,
- Very good chemical resistance and resistance to high temperatures,
- Very good resistance to wear,
- Reduced maintenance,

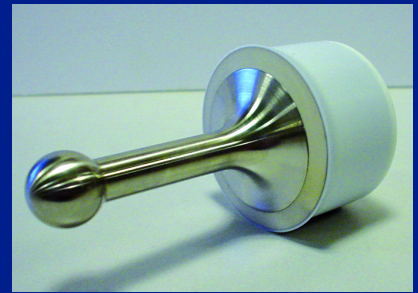
- Ensures the production process's stability.

Not forgetting our pistons' adaptability to all machines, they are **compatible with all systems**. Used by food packaging industries. Our products, which offer higher performance, can be adapted as replacements for competitors' solutions.

Because we use the most appropriate raw materials for your requirements - **choice of more than 300 rubber formulas** - our solutions comply with regulations in the field of products in contact with foods, including CE and the Food & Drug Administration's (FDA) regulations, guaranteeing you outstanding organoleptic quality.



As an original equipment (machine manufacturers) or secondary equipment installer, **we adapt our products to your**



facilities according to your specification.

Whether for a one-unit or in-series production, **our standard piston series ranges from Ø 10 to Ø 300 mm** with many "user interfaces".

In addition to pistons and liners, EFJM also develops and produces specific products (suction cups, piston base seals, scrapers, composite membranes, bellows, scraping shells, valves).

EFJM "upgrades" and recycles its composite products to respect the environment.

We always listen to our customers and supply upon request recommendations on how to use our pistons.

### EFJM: OUR CUSTOMER REFERENCES

APV France	NIJAL
AURIOL	NOVA SOCIMEC
BENHILL GASTI	PCM DOSYS
DANONE	PCM POMPES
DOSELEC	PIERRE GUERIN
ERCA FORMSEAL	SERAC
FILLPACK	SIDEL
FROMARSAC	THYMONNIER
HELY JOLY	TREMARK Europe
HERBERT GRUNWALD GmbH	VMS-MASCHINEN GmbH
KALIX	YOPLAIT
LATINPACK	

