

LR-Mag Reactors

A close-up photograph of a stainless steel reactor assembly. The assembly consists of a central vertical shaft with several cylindrical components, mounted on a large, circular, stainless steel flange. The flange has four bolt holes around its perimeter. The entire assembly is mounted on a blue, cylindrical base. The background is slightly blurred, showing more of the blue base and some mechanical parts.

Ultimate corrosion resistance by pioneering solutions in the processing industry



We are proud to introduce, a new series of lined reactor vessels designed to provide an overall solution for the full spectrum of your chemical processing needs. Our new series incorporates the benefits of both metal housing & fluoropolymer lining, thus enabling higher purity levels and corrosion free processing.

For the last few years Labgoods has been working on a new type of processing equipment enabling processing not achievable by glass or metal equipment. The fluoropolymer family in our reactors series stretches the boundaries processing capabilities such as pressure, PH, corrosion free, and high purity reaction.

With our LR Mag series you do not have to worry about sealing problems since our agitating system is fully magnetized with very powerful magnets.

The magnets are capable of handling viscose and/or high volumes of liquid substances since our minimum torque is 70 Ncm.

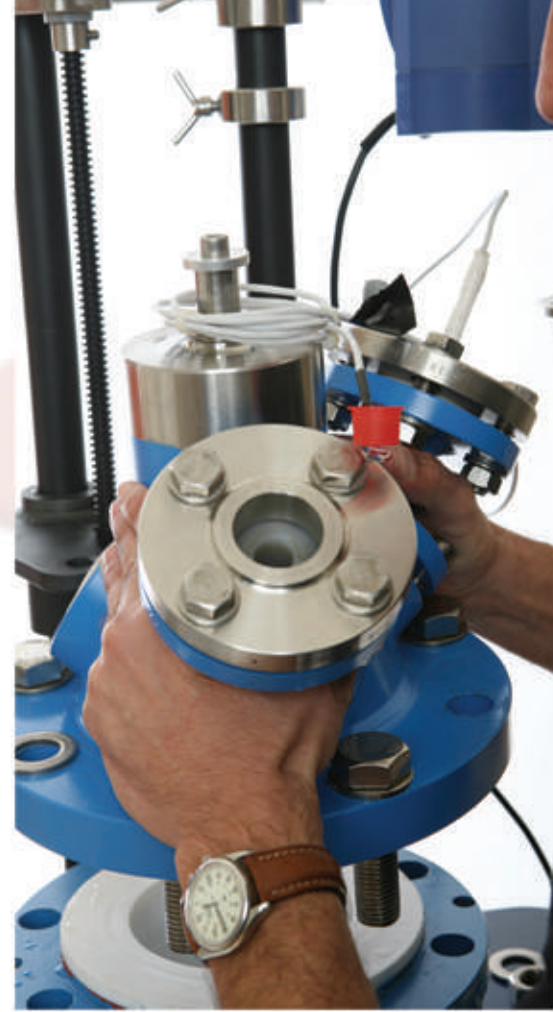
A key feature of the reactor is that it is **metal free**. Your product (including vapors) comes in contact only with fluropolastic materials.

Full visual monitoring via direct glass window or a Digital camera is optional.



With LR-Mag you can reach unparalleled working conditions:

- Ph 0-14
- Pressure range -1 up to 40 bar (568 PSI)
- Working temperature - 40C(F)- 180C (356F)
- Lining materials : PTFE, TFM, PFA, ETFE, ECTFE, PVDF, PE
- Volume 0.5 - 100 liter
- Multi heating techniques
- Cooling systems
- Magnetic drive - seal less
- Mechanical drive
- Fully monitored
- Tailor made
- Construction material: carbon steel, stainless steel
- Constructed according to ASME VIII Div 1 standard
- Product visibility - optional



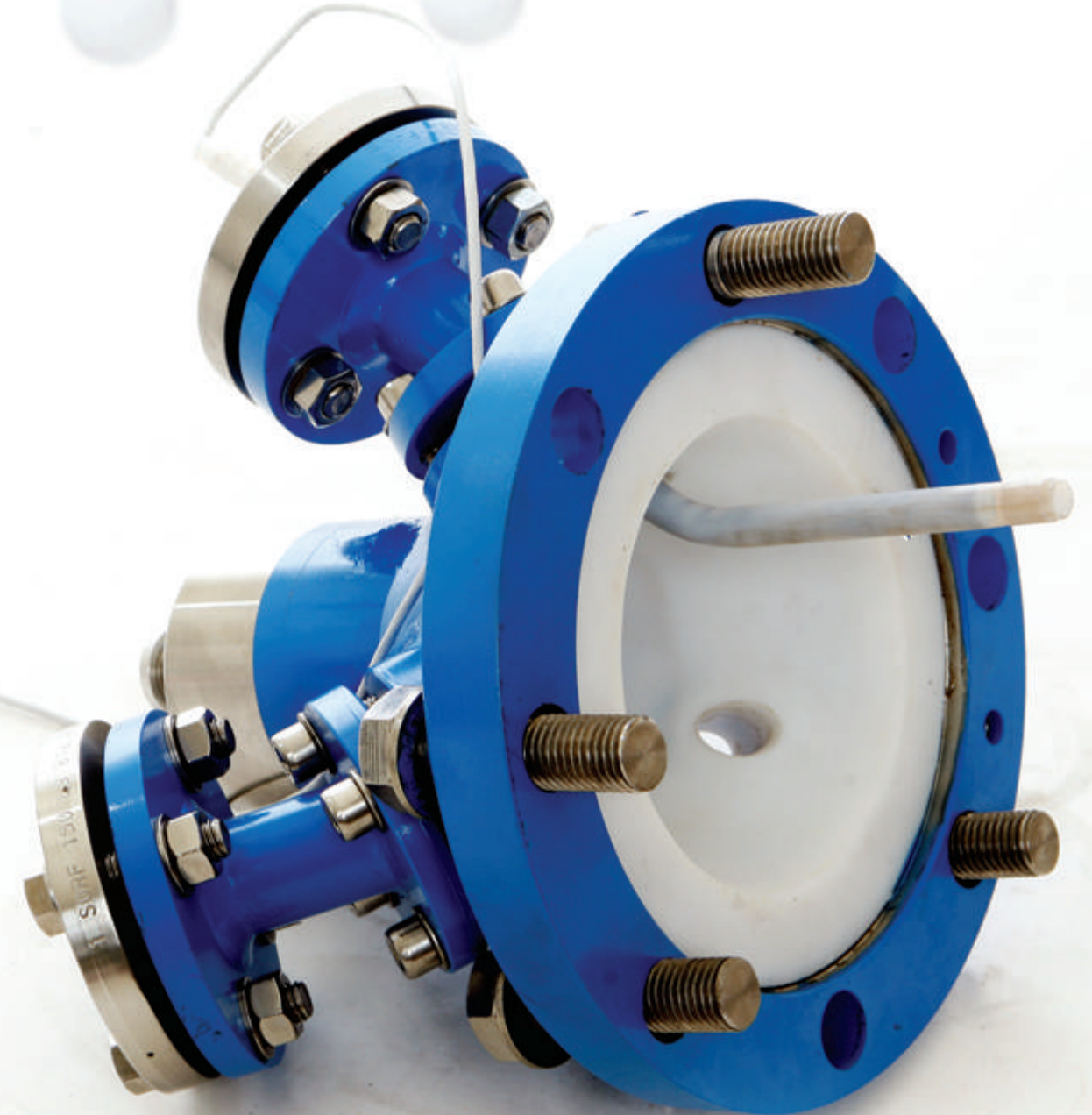
LR-Mag & Fluoroplastics combination advantages:

- Heavy wall lining , enables durability against mechanical deformations and scratches
- One or two layer system
- Wide range of possible Fluoroplastics
- In-House manufacturing
- Prompt service reply



Fluoroplastics capabilities and advantages:

- Unmatched corrosion resistance
- Anti stick properties
- FDA approval
- High purity
- Wide temperatures working range
- Easy to clean
- Permeation resistance
- PH 1 to 14
- Flexible



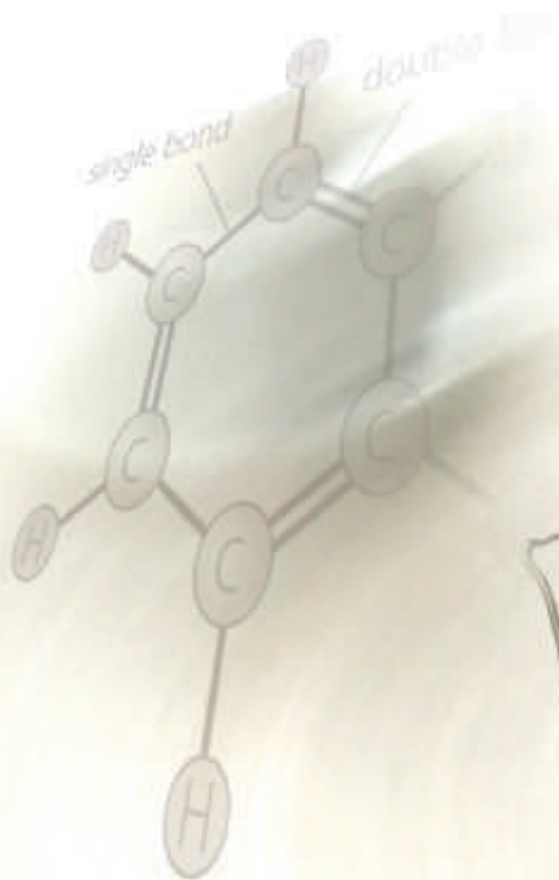
Metal Construction Capabilities

- Flanges according to ANSI, DIN standards
- Construction materials ST37,ST52,A512, SS304,SS316
- Fixed and rotating flanges
- Fully penetrating welds
- Construction standard ASME VIII DIV 1
- X-ray reports (upon request)
- Third party inspection (upon request)
- ASME or CE stamp (upon request)
- Exterior Finishes: Epoxy coating, Fluoroplastic coating, Mechanical Polishing, Electro polishing, Electrolysis coating

Quality assurance

- ISO 9002 control system
- Hydrostatic test per vessel
- Spark tests per item
- Materials certificates (upon request)
- Vacuum test (upon request)
- CNC machining center
- Latest CAD/CAM engineering software
- Latest Welding equipment
- State of the art lining and coating techniques





About Labgoods

Labgoods is an engineering company that specialized in tailored solutions for high corrosive and high purity applications.

Our mission is to become a leading vendor for industries that pursuit after corrosion free and high purity for their unique processing requirements, by prompt service and 'out of the box' products.

Industries that benefit from our services are:
Semiconductor, Pharmaceutical chemistry, and Organic chemistry industries.

Labgoods is led by Moshe Horovitz & Ronen Berman with combined over 35 years of experience providing solutions to the chemical, semiconductors and pharmaceutical industries.

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