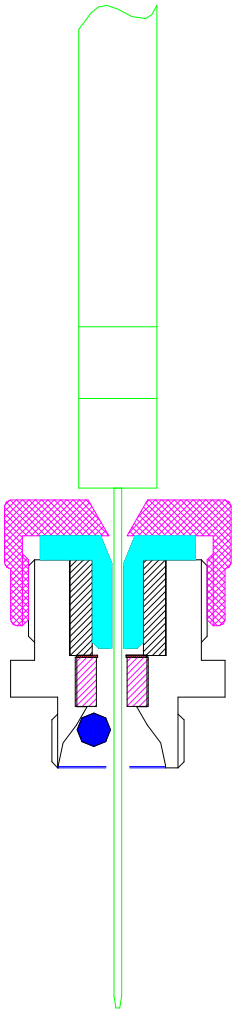
MagSep

Septumless Injection

Robust

Septum-free

Reliable



Replaces a conventional rubber septum to provide a long-life, bleedless alternative – without septum coring

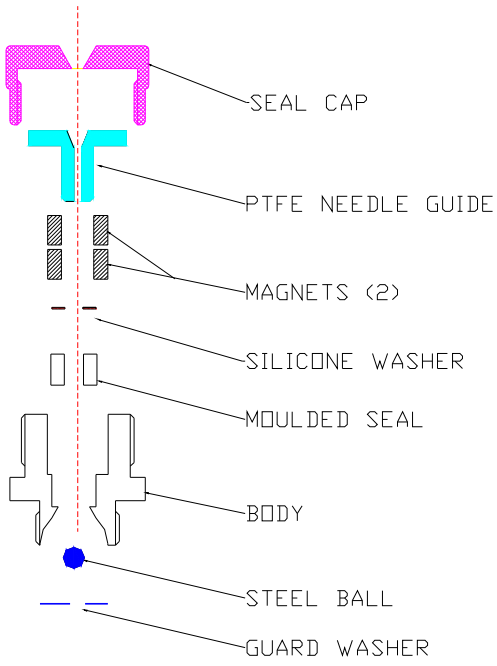
MagSep

Affordable, reliable and robust

analytical sciences

Operation

The MagSep is designed to provide a septum seal for syringe needles without the problems associated with septum coring. The seal works by using magnets to pull a ball up on to an elastomer seat to provide a gas tight seal. When the syringe is inserted, it pushes the ball away from the seal but the assembly remains leak-tight from the seal formed between the needle and the Teflon® PTFE needle guide. Different needle guides are available to suit needle diameters up to a maximum of 1.3mm.



Installation

The Magsep is delivered assembled and may be fitted directly into the injection port of your instrument. The thread is 7/16" x 32, which is compatible with the Thermalox injection port, as well as a range of other instruments including most Agilent GCs.

Maintenance

Periodically (we would recommend every 1000 injections) unscrew the MagSep, carefully remove the stainless steel ball and using DI water, rinse out the ball cavity and seat – it's as simple as that.

Needle diameter	0.63 (23swg) to 1.24mm (18swg)
Needle tip	Blunt (coned) tip
Port Thread	7/16" x 32tpi (others on request)
Operating Pressure	2-100psig (0.15-7.0 Barg)
Operating Temperature	-50°c to 220°c (injection port temperature to 350°c)
Materials:	Body: Brass Needle Guide: PTFE Seal: Silicon Rubber Ball: Stainless Steel AISI 420
Needle guide life	Typically 6,000 to 8,000 injections for 23swg needle when used with an autosampler.

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Analytical Sciences, Cambridge, England CB3 9EY Telephone: +44 (0) 1223 569150 Fax: +44 (0) 1223 569152
Email: sales@analyticalsciences.com Website: www.analyticalsciences.com