

MED TRON[®] AG



CLOSE TO THE MRI, CLOSE TO THE PATIENT.

NEW: SYRIFLOW[®] MR
THE SYRINGE PUMP FOR MR IMAGING





BECAUSE YOUR DAILY ROUTINE OFTEN DEMANDS EVERYTHING.

WE UNDERSTAND WHAT IT MEANS TO GET EVERYTHING RIGHT IN CRITICAL MOMENTS.

In intensive care, anaesthesia and MRI: where people heal, help, and save lives, every second and every decision matter.

We understand the pressure and responsibility. That's why we've been developing solutions for over 30 years that relieve doctors and care staff – so you can focus on what really matters: your patients.

With Syriflow[®] MR, we provide you with a tool that truly eases the burden – safe, precise, and right at the patient's side.



**SAFE INFUSION DIRECTLY IN THE MRI.
NO DETOURS, NO STRESS.**

GAME-CHANGER IN MRI. SYRIFLOW® MR.

Syriflow® MR is designed to make your infusion management in MRI simpler, safer, and more economical – for highest precision close to the patient and close to the scanner.

EVERYDAY CHALLENGES.

SYRIFLOW® MR BENEFITS.

Long tubing and detours			Can be used directly adjacent to the MRI scanner
Time loss due to change of infusion sets			Time savings in workflow
Risk from magnetic attraction			No magnetic attraction up to 30 000 Gauss line
Inaccurate dosing with volumetric infusion pumps			Precise dosing with infusion pump
High training and maintenance requirements			Easy to use, no special training in infusion sets

TECHNOLOGY THAT SAVES WORK.

- Non-magnetic design
- Compatible with standard syringes
- No shielding box required
- Made in Germany: durable & low-maintenance
- Easy integration into existing systems

KEY ADVANTAGES FOR EVERY MEDICAL FIELD.

In intensive care, anaesthesia, and radiology: Syriflow® MR simplifies infusion management and increases safety in the MRI environment.

INTENSIVE CARE: FASTER RESPONSE, SAFE DELIVERY.

In everyday intensive care, Syriflow® MR supports doctors and care staff in administering medication safely and precisely directly at the patient's side – without detours or time loss.

SAVE TIME WHEN EVERY SECOND COUNTS.

Syriflow® MR can be placed directly adjacent to the MRI scanner (up to 3 T), eliminating the time-consuming relocation of infusion pumps outside the MRI room.

NO LONG TUBING, LESS RISK.

Long infusion lines are no longer needed – making medication delivery safer, reducing tripping hazards, and minimizing the risk of unintentional bolus administration.

PRECISE DOSING FOR HIGH-RISK PATIENTS.

Critically ill patients, newborns, or unstable individuals benefit from the exact and consistent delivery of medication – accurate and highly precise.

INCREASED SAFETY IN EMERGENCIES.

In everyday intensive care, adjustments often need to be made immediately. Syriflow® MR enables uninterrupted, uncompromisingly safe infusion directly at the patient's side.

ANAESTHESIA: FULL CONTROL IN THE MRI.

In intensive care and especially during anaesthesia, it's essential to intervene and make adjustments at any time. Syriflow® MR remains fully accessible – no shielding box required – and ensures precise dosing directly at the patient, even during ongoing imaging.

DIRECT ACCESS DURING EXAMINATIONS.

Syriflow® MR does not require shielding or complex positioning. The team can access the pump safely at any time – even during MRI scanning.

NO CUMBERSOME SHIELDING REQUIRED.

External boxes or protective enclosures are completely unnecessary – saving space in the confined MRI room and reducing the risk of handling errors.

SAFE CORRECTIONS AT ANY TIME.

Especially in anaesthesia, the dosage often needs to be adjusted at short notice. With Syriflow® MR, medication administration remains controllable at all times: without interrupting the workflow.

RELIABLE PRECISION.

Especially during sedation and anaesthesia in MRI, the consistent, precisely controlled delivery is crucial. Syriflow® MR ensures the required precision.



RADIOLOGY: SMOOTH WORKFLOW, CLEAR IMAGES.

Syriflow® MR ensures an optimized workflow and interference-free imaging. From the first step to the completion of the examination. Because clean image quality is crucial for reliable diagnoses.

HIGH IMAGE QUALITY, FEWER DISTURBANCES.

The non-magnetic design minimizes unwanted image artefacts that can occur with conventional infusion pumps. This ensures reliable diagnostics.

FASTER PATIENT THROUGHPUT.

Since the pump operates directly adjacent to the scanner (up to 30 000 Gauss), preparation time and the cumbersome placement of tubes are eliminated. Patients can be prepared and examined more quickly.

OPTIMIZED WORKFLOW.

No additional accessories, no costly shielding boxes: instead, seamless processes that ease the workload for staff and resources.

RELIABLE IN EVERY EXAMINATION.

Whether routine or complex MRI diagnostics: Syriflow® MR operates seamlessly in the magnetic field, ensuring stable utilization.

PAEDIATRICS: GREAT SAFETY FOR LITTLE PATIENTS.

MRI exams can be stressful for both children and parents. Syriflow® MR ensures that sedation remains precise and reliable at all times: without unnecessary interruptions or risk. This creates maximum safety and a calm atmosphere when it matters most.

PRECISE SEDATION AT ALL AGE LEVELS.

Accurate dosing is crucial, especially for newborns and toddlers. Even for older children who require sedation, the precise syringe technology ensures maximum safety.

MORE CALM & SAFETY FOR YOUNG PATIENTS.

Less stress for children and parents thanks to short lines, direct proximity, and precise control of medication.

CONTINUOUS CARE.

Doctors and care staff can operate the pump directly at the MRI without interrupting the sedation.

LESS REPOSITIONING, LESS RISK.

No long infusion lines needed outside the MRI room. This saves preparation time and makes medication administration safer.

CARE STAFF & RADIOGRAPHERS: MORE FOCUS ON WHAT MATTERS.

In the fast-paced MRI environment, every minute counts. Syriflow® MR simplifies your work – no detours, no improvisations – so you can focus on your patients.

DIRECT OPERATION AT THE DEVICE.

Syriflow® MR can be placed and controlled directly adjacent to the MRI. No annoying workarounds, no complicated shielding boxes.

LESS STRESS & LESS RISK OF ERROR.

Shorter distances, fewer interruptions, no tripping hazards from long lines. This reduces the error rate, especially in stressful situations.

NO ADDITIONAL TRAINING EFFORT.

Syriflow® MR works like familiar devices, is intuitive to operate, and ready for use quickly.

FLEXIBILITY IN DAILY OPERATIONS.

Compatible with all common syringes, meaning less logistical effort and no manufacturer-specific consumables.

MORE SAFETY FOR PATIENTS & STAFF.

The MR conditional design prevents unwanted magnetic forces and protects against image artefacts.

IMPRESSIVE: TECHNICALLY, ECONOMICALLY, AND HUMANLY.

Syriflow® MR is thoroughly designed for easy integration into workflows of all kinds of teams and reliable, low-maintenance operation.



ADMINISTRATION & PROCUREMENT: A WORTHWHILE INVESTMENT.

NO EXPENSIVE SPECIAL SOLUTIONS REQUIRED.

Syriflow® MR operates without shielding boxes or special accessories – saving acquisition costs.

REDUCED MRI DOWNTIME.

The pump can be safely operated in the MRI area without the risk of magnetic attraction.

COMPATIBLE WITH STANDARD MATERIALS.

Uses commercially available syringes from major manufacturers – saving costs on proprietary consumables.

MINIMAL TRAINING & MAINTENANCE COSTS.

Intuitive operation, familiar design – reduces the effort required for training and integration.

MADE IN GERMANY.

High manufacturing quality and design: Durable, reliable, low-maintenance. Reduces follow-up costs and ensures a quick ROI.

SERVICE TECHNOLOGY: EASY TO MAINTAIN, BUILT TO LAST.

NO RISK OF MAGNETIC ATTRACTION.

MR conditional design – reduces the risk of interference or damage in the scanner area.

FEWER WORKAROUNDS.

No shielding boxes or complex protective solutions required – simplifies the technology.

EASY MAINTENANCE & INTEGRATION.

Compatible with existing infusion systems – no complex retrofitting required.

FAMILIAR DESIGN.

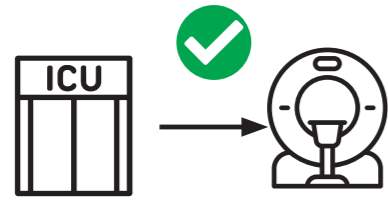
The operating logic and technology are based on proven infusion pumps, making maintenance processes easier.

DURABLE & RELIABLE.

The robust quality minimizes repair interventions, saving time and costs in service.



DESIGNED WITH CARE. SYRIFLOW® MR.



From ICU to MRI



MR conditional -
no magnetic attraction
up to 30 000 Gauss line (3 Tesla)



Always accessible –
no shielding box



**PRECISE INFUSION PUMP TECHNOLOGY
FOR SAFE PATIENT CARE.**



Compatible with common
syringe brands



Reduces workflow steps and costs



Easy operation

TECHNICAL DATA AND SPECIFICATIONS.

PRODUCT SPECIFICATIONS

Article number	SF 6000
IP protection class	IP 22
Electrical protection class	II
Protection against electric shock	CF
Input voltage	9 V DC
Current consumption	1 500 mA
Weight	2 300 g
Dimensions (W × L × H)	209 × 248 × 93 mm
Energy consumption during normal operation	2 W
Operating mode	continuous
Battery life	approx. 16 hours
Battery charging time	approx. 4 hours
Magnetic field	MR conditional up to 30 000 Gauss (3 Tesla)

SETTING RANGES FOR THE INFUSION

Syringe Size	Setting Range	Increment
50 ml	0,1–999,9 ml/h	0,1 ml/h
30 ml	0,1–900 ml/h	0,1 ml/h
20 ml	0,1–800 ml/h	0,1 ml/h
10 ml	0,1–500 ml/h	0,1 ml/h

SETTING RANGES FOR THE BOLUS

Syringe Size	Setting Range	Standard Value
50 ml	100–1 400 ml/h	800 ml/h
30 ml	100–900 ml/h	600 ml/h
20 ml	50–800 ml/h	400 ml/h
10 ml	50–500 ml/h	200 ml/h

COMPATIBLE SYRINGES

Name	Syringe Size
B. Braun Omnifix Solo disposable syringe	50, 30, 20, 10 ml
B. Braun Original perfusor syringe	50, 20 ml
BD Plastipak syringe	50 ml
Fresenius Injectomat syringe	50 ml



DISCOVER SYRIFLOW[®] MR IN ACTION!

Learn more about our syringe pump in a short product video, schedule a personal meeting, or request an individual demo. All with just one click:



**SIMPLY SCAN
AND LEARN MORE.**

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