



FILTER TECHNOLOGY



The only way to say filtration

**AIM**

**ALL - IN MOLD**

and GVS components for Beta Sterilisation

# The evolution of injection technology

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## ▶ Technology innovation:

AIM (ALL IN-MOLD) represents an absolute innovation, the begin of a new era in the manufacturing of plastic components, with wide possibility of applications for the medical, pharmaceutical and automotive sectors.



# A manufacturing process without limits

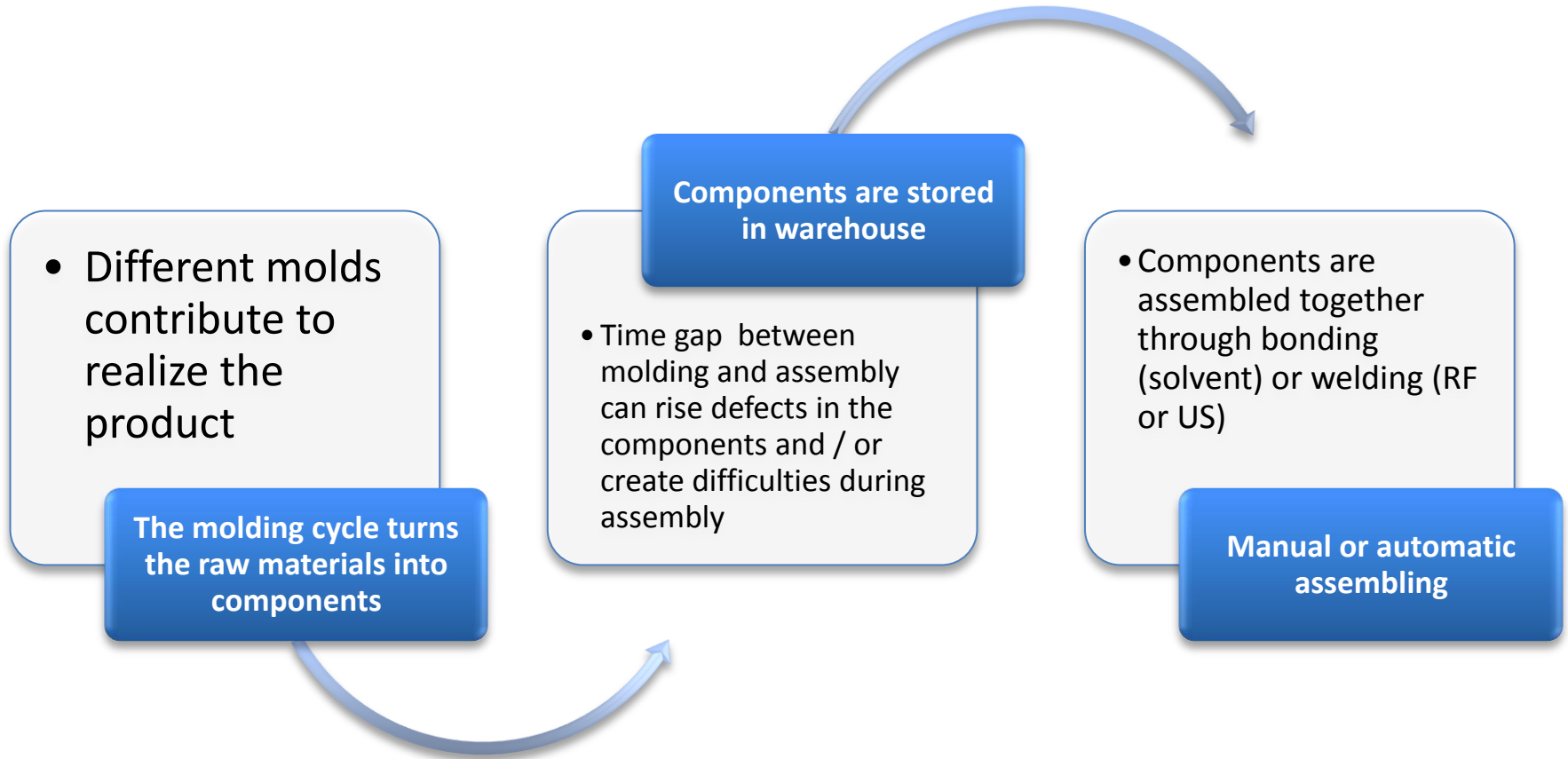
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## ▶ New perspectives:

AIM technology allows to manufacture multi-functional parts made of non-conventional materials, no need of further handling during manufacturing process and no need of bonding through solvents or welding (RF or US)

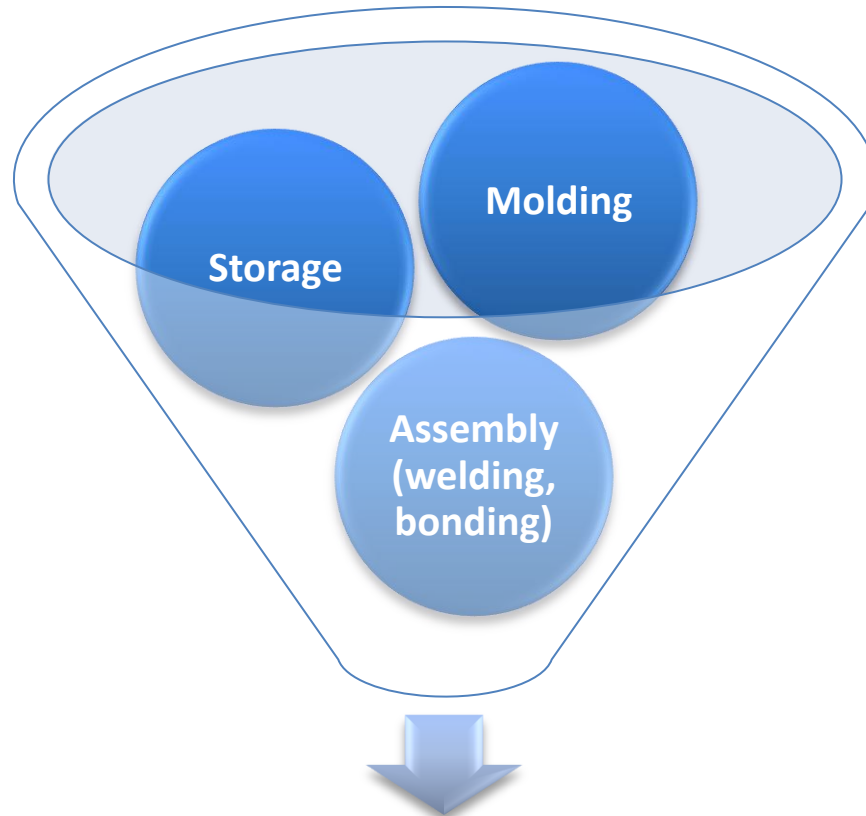


# The usual injection process



# Present AIM Technology

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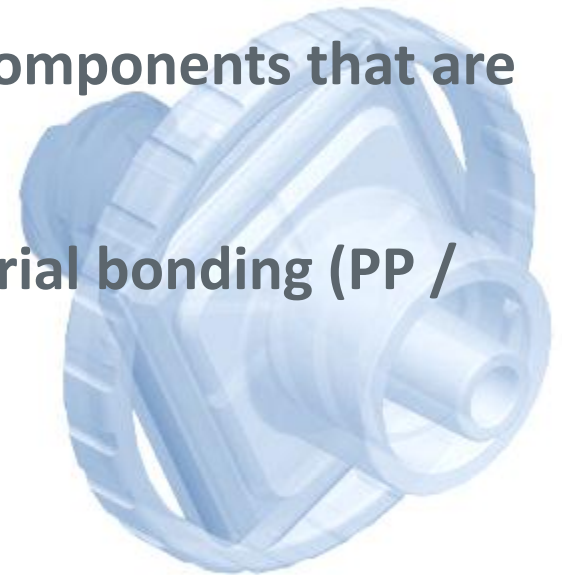
**AIM Technology groups together the different steps of the usual injection process in a single cycle**

# AIM Technology advantages I

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ALL IN-MOLD is an exclusive patented process that allows to:

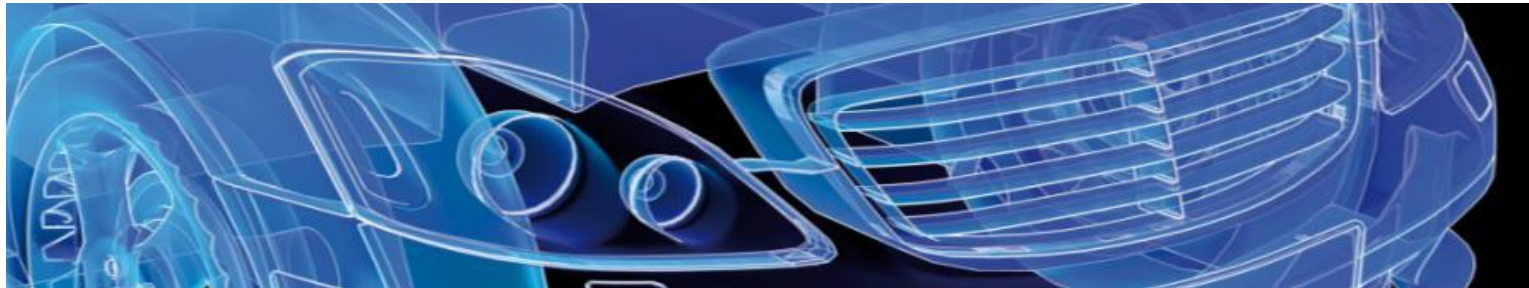
- ▶ Eliminate storage problems and defects generated during the assembly, such as deformation, contamination, cosmetic problems and micro-cracks caused by solvents or mechanical stress (RF or US welding)
- ▶ Molding at the same time materials and components that are otherwise difficult to weld to each other
- ▶ Eliminate issues related to NON PVC material bonding (PP / PE etc...)



# AIM Technology advantages II

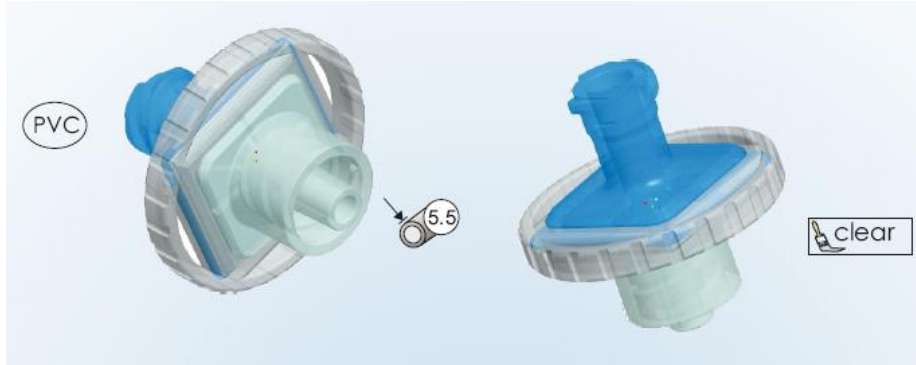
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- ▶ Mold single piece products with a guaranteed higher quality
- ▶ Reduce the size of the necessary manufacturing area (into the clean room)
- ▶ Reduced investment, because of reduced manufacturing steps
- ▶ Improve level of cleanliness of the finished product
- ▶ **Reduce cost – Rise productivity and profitability**



# GVS dialysis components suitable for Beta Sterilisation

## ▶ Transducer protector TP100 0,2 µm



- Innovative square design with round flexible handling
- Real irradiation resistant membrane
- Manufactured through leak free «All in Mould» proprietary assembly patented technology
- Elastic innovative material for perfect coupling with metal cones
- Absence of random damages to membrane by ultrasonic welding
- Eto and irradiation sterilization methods with a unique part-number

# GVS dialysis components suitable for Beta Sterilisation

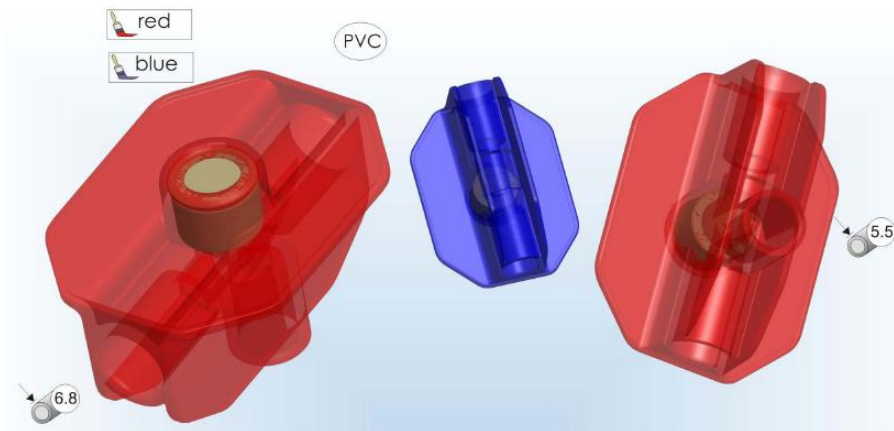
## ▶ Transducer protector TP100 0,2 µm



- Solvent free.
- Manufactured through «All in Mould» proprietary assembly patented technology
- Cracks free and great transparency, high optical quality
- Suitable for post pump use too

# GVS dialysis components suitable for Beta Sterilisation

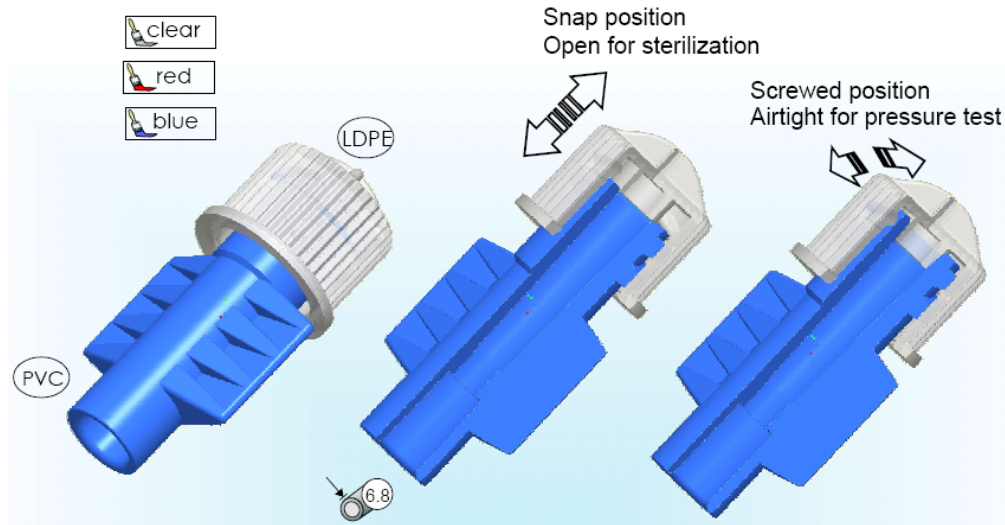
## ▶ In-line injection ports



- New design with large finger protection area
- Thin wall technology for light weight and smooth surfaces
- Standard or pre-cutted plug for needle-less operations
- Rounded edges
- Saline port option

# GVS dialysis components suitable for Beta Sterilisation

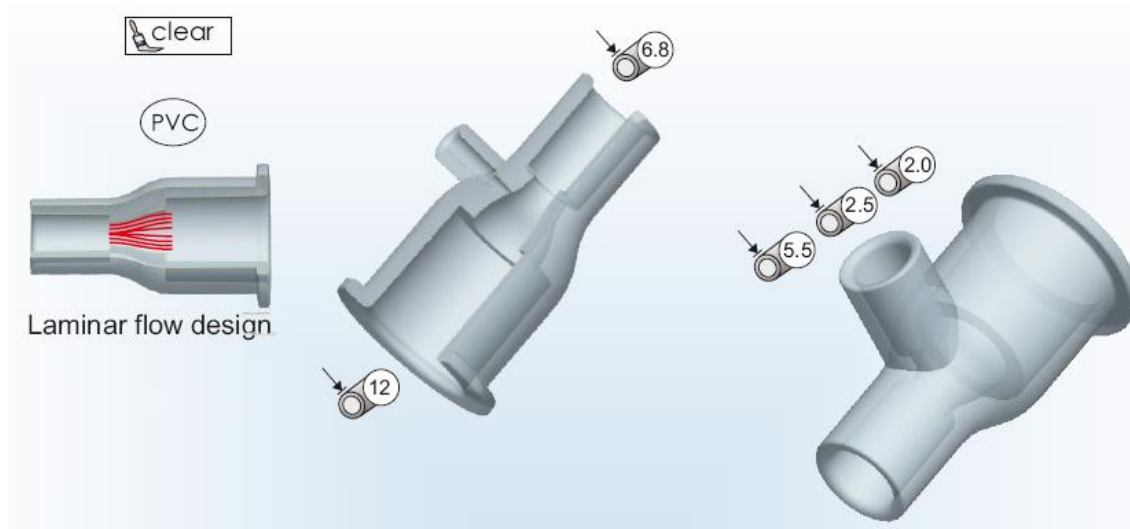
## ▷ Dialysis connectors with cap



- New comfortable handling design with large ribs for high torque and safe connection
- Double function Cap
- Flanged Cap designed for easy One-Hand operations
- Designed for haemodialyser, haemofilters and haemoconcentrators that are in accordance to ISO8638
- At line disconnection, after rinsing, the cap can be screwed as a safe no-drop closure.

# GVS dialysis components suitable for Beta Sterilisation

## ▶ Pump connectors



- New inside design to obtain a not traumatic flow circulation
- Designed for 8x2 (12mm O.D.) pump segment
- Large rounded flange for safe operation on peristaltic pump housing
- Full range of derivations for heparine and saline lines
- Don't damage the blood of your patients, use laminar flow connectors!



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