PRECISION

MEDICAL COMPONENTS

PRODUCT CATALOGUE

Precision-manufactured medical plastic components for healthcare equipment and fluid management applications.



TRANSDUCER PROTECTOR



BACK CHECK VALVE



INLINE FILTER



NEEDLE-FREE CONNECTOR

MANUFACTURING FOR A SAFER HEALTHCARE TOMORROW

ABOUT TOMSON MEDICARE

Medical component manufacturing / IMT Manesar, India

WHO WE ARE

Tomson Medicare Pvt. Ltd. manufactures precision plastic components for medical equipment and healthcare applications. Our work covers injection moulding, component assembly and product development.



MANUFACTURING FOCUS

01 Injection-moulded components

02 Assembly and handling

03 Medical-device subassemblies

04 Customer-specific development

MANUFACTURING LOCATION

Plot No. 37, Sector 8, IMT Manesar, Gurgaon, Haryana 122051, India.

www.tomsonmedicare.com

MANUFACTURING CAPABILITIES

Authentic Tomson factory photographs



INJECTION MOULDING



COMPONENT ASSEMBLY



ASSEMBLY WORKSTATIONS

PRODUCTION CAPABILITIES

- **Injection moulding**
- **Manual and semi-automatic assembly**
- **In-process product inspection**
- **Product development and tooling support**

QUALITY APPROACH

Production controls and inspection are defined according to applicable product and customer requirements.

0.2 MICRON INLINE FILTER

Single clear housing variant



PRODUCT DESCRIPTION

A 0.2-micron inline membrane filter component for incorporation into compatible intravenous (IV) infusion administration sets.

FUNCTION

Filters particulate matter from compatible aqueous infusion fluids. Air-handling and microbial-retention performance depend on the validated membrane and filter design.

INTENDED USE

Installed in the fluid pathway of compatible IV sets to provide filtration during administration of appropriate infusion solutions.

PRODUCT NOTE

Filtration performance and solution compatibility are product-specific.

TRANSDUCER PROTECTOR

TM01 bulk packed / TM02 pouch packed



TM01 / BULK



TM02 / ORIGINAL POUCH

PRODUCT DESCRIPTION

A hydrophobic-membrane transducer protector for the pressure-monitoring line of hemodialysis blood tubing. Offered in bulk-packed (TM01) and individually pouch-packed (TM02) formats.

FUNCTION

Transmits pneumatic pressure changes while helping block blood and other liquids from entering the dialysis machine pressure-monitoring system.

INTENDED USE

Placed between compatible hemodialysis bloodline pressure tubing and the machine pressure-monitoring connection.

PRODUCT NOTE

TM01: bulk packed | TM02: individually pouch packed.

BACK CHECK VALVE

One-way flow component



PRODUCT DESCRIPTION

A one-way (non-return) valve designed for integration into compatible medical fluid-transfer tubing assemblies.

FUNCTION

Permits fluid movement in the intended forward direction and restricts reverse flow when back-pressure occurs.

INTENDED USE

Used where backflow control is required in a validated IV or other compatible medical fluid-management assembly.

PRODUCT NOTE

Opening pressure, leakage and flow specifications depend on the valve design.

NEEDLE-FREE CONNECTOR

Transparent luer-activated connector



PRODUCT DESCRIPTION

A self-sealing, luer-activated needle-free connector for compatible medical fluid-access systems.

FUNCTION

Allows a compatible male luer fitting to open the fluid pathway for connection and closes the access point after disconnection.

INTENDED USE

Integrated into compatible IV administration or extension sets to provide access without a sharp needle.

PRODUCT NOTE

Fluid transfer, sampling and disinfection instructions depend on validation.

TUBE HOLDER

WITH SAFETY LID



PRODUCT DESCRIPTION

A blood collection tube holder with a hinged needle-safety cover for use in compatible evacuated blood collection systems.

FUNCTION

Supports the collection tube during sampling; the safety cover is designed to shield the used needle after activation.

INTENDED USE

Used with compatible blood collection needles and evacuated tubes for venous specimen collection.

PRODUCT NOTE

Needle compatibility and safety-feature performance require verification.

PRESSURE TRANSDUCER

Medical pressure monitoring assembly



PRODUCT DESCRIPTION

A disposable pressure transducer assembly for connection between a fluid-filled pressure-monitoring line and a compatible electronic patient monitor.

FUNCTION

Converts pressure transmitted through the fluid pathway into an electrical signal for pressure readings and waveforms.

INTENDED USE

Integrated into validated invasive hemodynamic monitoring systems, including arterial or venous pressure monitoring as applicable.

PRODUCT NOTE

Electrical compatibility, accuracy and operating range are model-specific.

FOLEY CATHETER INFLATION VALVES

WHITE SS-SPRING / TRANSPARENT SILICONE-RUBBER



PRODUCT DESCRIPTION

Two balloon inflation valve variants for Foley urinary catheters: an opaque white valve with a stainless-steel spring mechanism and a transparent valve with a silicone-rubber sealing mechanism.

FUNCTION

Permit inflation and deflation of the catheter retention balloon through a compatible syringe connection, and help retain balloon inflation after disconnection.

INTENDED USE

Integrated into the balloon inflation channel of compatible Foley urinary catheters.

PRODUCT NOTE

Both pictured variants are for Foley catheters; not ET-tube valves.

T-DRAIN VALVE

TM06 / Urine bag drainage



PRODUCT DESCRIPTION

A manually operated T-type drainage outlet valve for integration into compatible urine collection bags.

FUNCTION

Opens and closes the bag outlet to allow controlled emptying of collected urine without disconnecting the catheter drainage tubing.

INTENDED USE

Fitted to the drainage outlet of compatible urine collection bags used with urinary catheter systems.

PRODUCT NOTE

This is a drainage outlet valve, not an anti-reflux valve.

0.2 MICRON INLINE FILTER

Product family / Multiple configurations



SINGLE / DOUBLE FILTER

0.2-micron IV fluid filtration

Single/double arrangement to be verified



WITH CONNECTOR

Inline filtration with needle-free access

For compatible IV administration sets



LIGHT-RESISTANT

Inline filtration with amber housing

For light-protective infusion assemblies

APPLICATION NOTE

Filtration, air removal and light protection must be verified for each configuration.

BABY INLINE FILTER

FOR CAPNOGRAPHY MACHINES

0.2 Micron Inline Filter



PRODUCT DESCRIPTION

A compact inline filter component for compatible sidestream capnography gas-sampling lines.

FUNCTION

Helps limit moisture and contamination carried in sampled exhaled gas from reaching the monitoring system, subject to validated membrane performance.

INTENDED USE

Integrated into compatible sampling tubing that conveys respiratory gas to a CO2 monitoring device.

PRODUCT NOTE
Not intended for intravenous fluid filtration.