

Data Sheet

Milligard® Sanitary Cartridge Housings

Sanitary design for liquid or gas filtration using cartridges with Code M connection

Milligard® housings are ideal for use with our Code M cartridges in liquid or gas filtration. The Milligard housings range is dedicated to applications requesting small hold up volumes to reduce the loss of product to be filtered.

Secure and Easy to Clean

Milligard housings feature a unique design for vent/drain and connection, allowing CIP and SIP. Vent insulating rings have been added, making handling easier and safer during sterilization. The housing accommodates a secure double O-ring configuration for cartridge installation and port connections, allowing a positive cartridge seal and preventing bacterial and particulate bypass.

Versatile Configuration

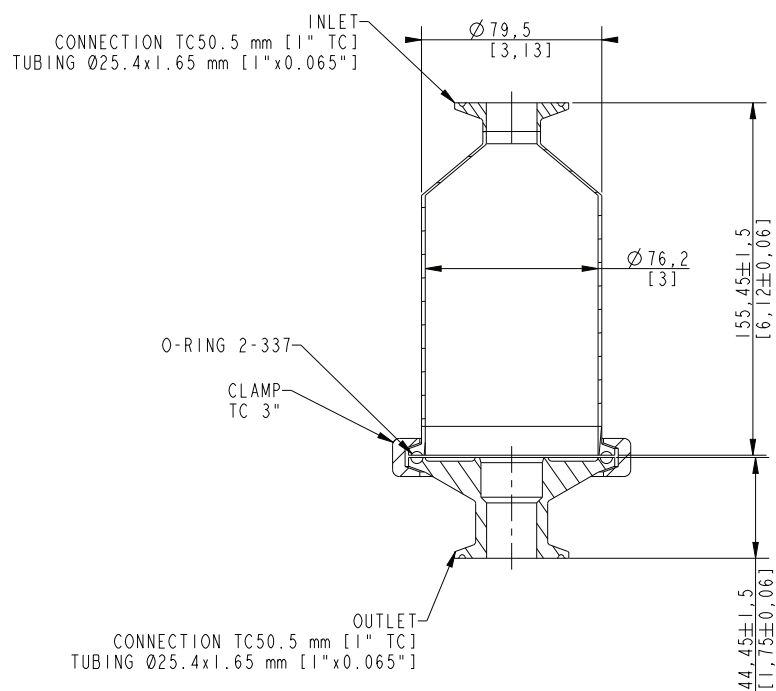
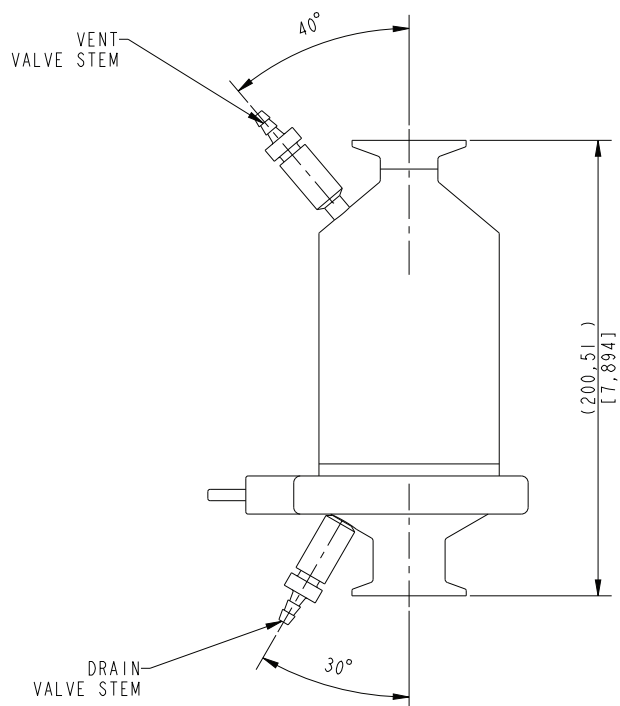
A range of inlet/outlet connections are available including sanitary vent and drain valves, as well as accessories to accommodate your manufacturing process.

Milligard housings are designed to be used with Milligard cartridge filters. Milligard filters provide the finest prefiltration available, with high throughput and minimal differential pressure. These cartridges are robust, strong, resilient and designed to withstand multiple steam-in-place cycles.



Figure 1A.

Milligard® In-Line Housings
HOGMMU[-]AC
CESEGD14ETET.



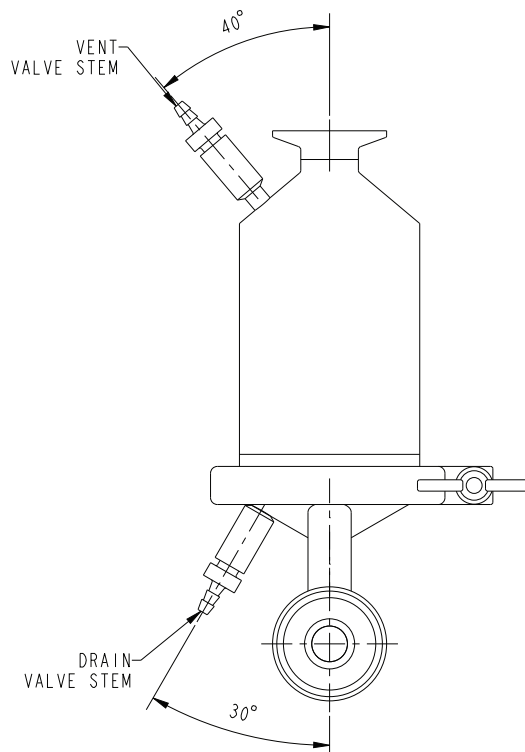


Figure 1B.

Milligard® T-Line Housings
HOGMMU[-]TC,
CESEGDT4CTCT,
CESEGDT4ETET.

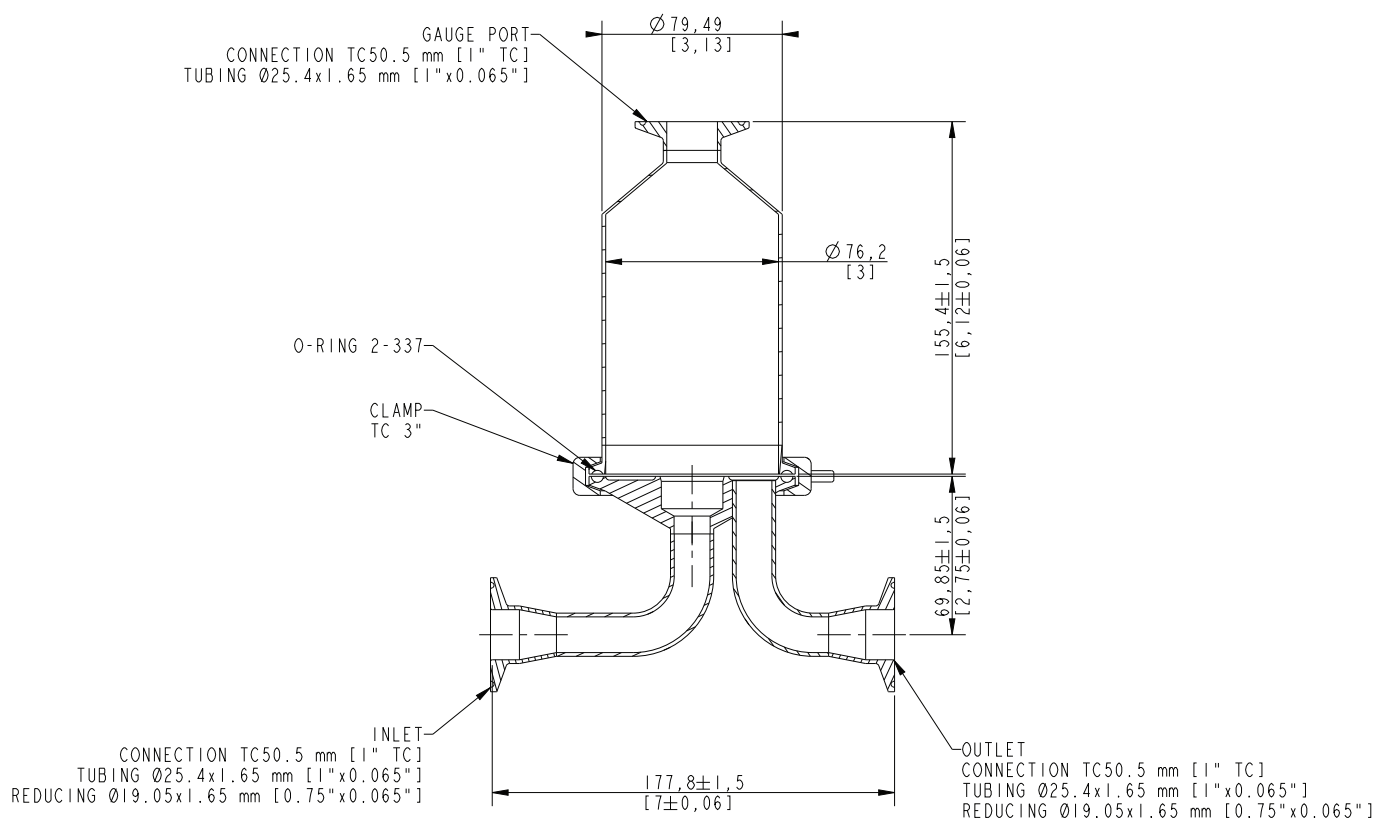
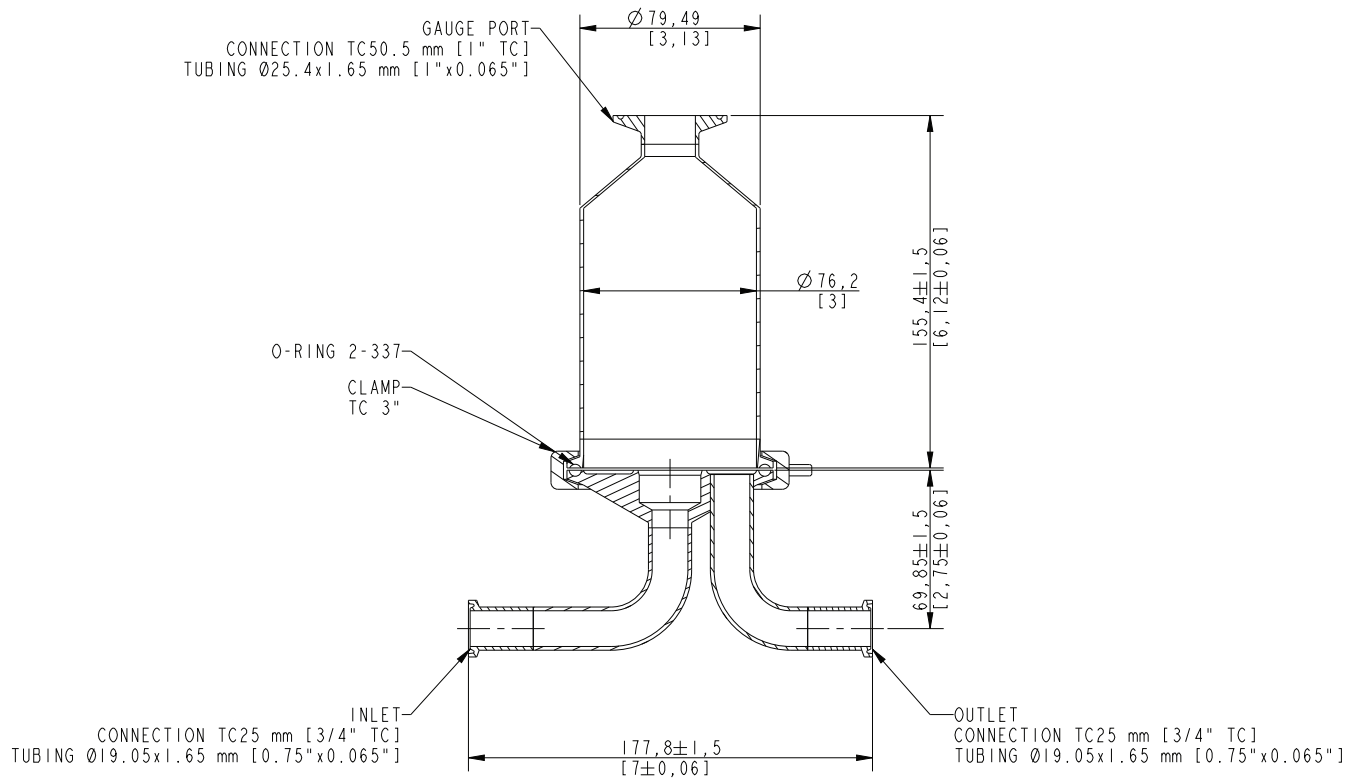
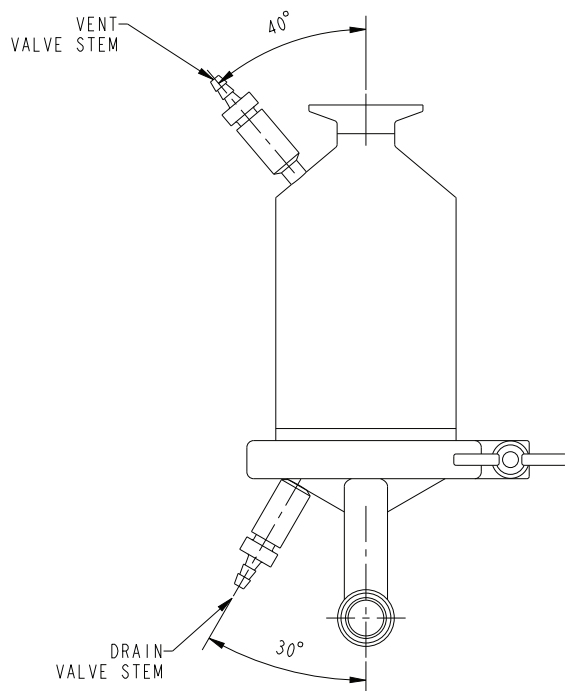


Figure 1B Continued.

Milligard® T-Line Housings
HOGMMU[-]TC,
CESEGDT4CTCT,
CESEGDT4ETET.



Milligard® Sanitary Cartridge Housings Specifications*

Compliance with Pressure Equipment Codes	They are CE / PED 97/23/EC compliant, but do not bear any CE marking (article 3.3).
CFR Compliance	All sealing materials are FDA 21 CFR compliant
USP Class VI Compliance	The sealing materials are USP class VI certified.
Operating Conditions Range:	These housings are rated at 10 barg at 121°C (250°F).
Materials of Construction - Wetted Parts (All metal surfaces in contact with the product)	All the housings parts are manufactured from 316L Stainless Steel
Materials of Construction - Elastomers	Gaskets for the closure clamp and port valves are silicone O-rings , PTFE tip
Surface finish for stainless steel wetted parts (depending on the options)	The housings are mechanically polished and electropolished inside to an average roughness of Ra < 0,5 µm, and outside to an average roughness of Ra < 0,8 µm.
Cartridge Code	The Milligard® housings have been designed to be used only with Milligard® cartridges. The Milligard® cartridges code is CODE M (double 2-118 silicone O-ring seal)
Clamp	SS 304
Cleaning	CIP, SIP
Design	T Line / In-line
Quality and documentation package	All housings are shipped with a User Guide and a complete Documentation Package guaranteeing conformance to stated requirements. Main Content of the Certificate Package - Certificate of Conformance - Certificate of Quality - General Arrangement Drawing - As built drawing - Ra Map + Surface finishes measurements - Conformity statement of surface treatment (ep, passivation) - Heat # / O-ring Batch Map - Material Test Reports / EN 10204 3.1 - USP® Class VI - FDA - ADI (Animal Derivated Ingredients) - Material certificate - FDA certificate - ADI (Animal Derivated Ingredients) - USP® Class VI - Weld Maps - WPS/WPQ/PQR Certificates - Filler wire material certificates - Welders certificates - Nameplate - Pressure Certificate of Compliance to ASME® Section VIII UG100 - PED 97/23/EC Statement of Compliance - ISO 9001 Certificate - ASME® U/UM Certificate (U or UM according applicability) - Housings User Manual.



Figure 2.
Milligard® cartridge filters.

Ordering Information

Description	Qty/Pk	Catalogue No.
Milligard® Housings: EU Version		
Milligard® In-line Housing 1" TC ferrule	1	CESEGD14ETET
Milligard® T-line Housing 3/4" TC ferrule	1	CESEGD14CTCT
Milligard® T-line Housing 1" TC ferrule	1	CESEGD14ETET
Milligard® Housings: US Version		
Milligard® Housing	1	See Chart Below
H O G M M U C Seal Material S = Silicone V = Fluoroelastomer E = EPDM T = PTFE Encapsulated Fluoroelastomer Design A = In-line T = T-line		
Base-to-dome O-Ring		
O-Ring 2-337 SILICONE	10	17390X4
O-Ring 2-337 PTFE enc. fluoroelastomer	2	17390X3
O-Ring 2-337 EPDM	10	17390X2
O-Ring 2-337 fluoroelastomer	2	17390X1
TC Closure Clamp		
Housing Sanitary Clamp 3in.	1	P30799
Plunger valve spare parts		
Valve stem and spares kit (316L/Silicone/PTFE)	1	17402
Vent valve seal kit, Silicone+PTFE	1	17403X1
Vent valve seal kit, fluoroelastomer+PTFE	1	17403X2
Vent valve seal kit, EPDM+PTFE	1	17403X3
Vent tips, PTFE	10	H4VVT000

Should you need anything outside of our standard range, our extensive custom capabilities allow for more options upon request.

To Place an Order or Receive Technical Assistance

In Europe, please call Customer Service:

France: 0825 045 645

Germany: 01805 045 645

Italy: 848 845 645

Spain: 901 516 645 Option 1

Switzerland: 0848 645 645

United Kingdom: 0870 900 4645

For other countries across Europe, please call: +44 (0) 115 943 0840

Or visit: www.merckmillipore.com/offices

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