

70 SERIES OVERVIEW



Hygienic Cartridge Housings

The **70 Series** hygienic filter housing range brings together advanced design and finishing techniques to produce a modern range of sanitary single and multi-cartridge filter vessels.

Designed for ease of operation with a wide range of sizes and connections, these housings have proved successful in the Pharmaceutical, Beverage and Fine Chemical industries where cleanliness and simplicity are paramount.

The **70 Series** housing range consists of:-

71 Series

- Design primarily as a hygienic vent filter
- Low cost simple design
- Crevice free construction with hygienic single polished inlet/outlet port
- Available for 10" or 20" length cartridges and recommended for use with the naturally hydrophobic **SupaPore TP** PTFE membrane cartridge

72 Series

- 'T' Style configuration is ideally suited to smaller scale or pilot based processes
- Base mounted, this free standing housing allows easy access to all internal areas
- No loose internals for trouble free operation
- Available for elements up to 30" long

73 Series

- This leg mounted, free standing housing is ideal for larger scale critical applications
- Lightweight dome allows full and easy access for rapid change-outs
- Suitable for 3 or 5 element stacks up to 30" long
- Rated up to 10 bar in liquids, up to 7 bar in gases and up to 150°C

76 Series

- Single cartridge housing suited to both gas and liquids
- Rated for full vacuum, up to 10 bar in liquids and gases and up to 150°C
- Plenum styled housing offers improved flow and drainage
- Accepts 10" or 20" code 7 cartridges

Manufactured in 316L stainless steel as standard and with an option of Alloy 22. Available in a variety of design styles so suitable for most clean processes.

Features include 'T' style designs (to provide ease of installation and minimal flow resistance) and various different connections and end cap configurations. The housings are finished by mechanical polishing to remove all crevices and then electro-polished both inside and outside, making them the market leaders in hygienic filtration systems.



Features and Benefits

- 316L construction for maximum corrosion resistance
- Full housing customisation service available
- Every housing is etched with a batch number for full traceability
- Wide range of connection options available
- Full PED compliance with 97/23/EC and full ATEX compliance with 94/9/EC, level CE Ex II 2 GD c X



70 Series Technical Data

Maximum Operating Conditions

		71 Series		72 Series			7303 Series			7305 Series			76 Series	
		10"	20"	10"	20"	30"	10"	20"	30"	10"	20"	30"	10"	20"
Maximum Pressure	Liquid	-					10							
	Gas	-		10			7			6			10	
Maximum Temp.		150°C												
Volume (Litres)		2.5	4.5	2.6	4.6	6.6	11.4	19.4	27.4	14.2	23.3	32.4	3.8	5.5

Materials of Construction

Body and Head: 316L St. Steel
 Closure: 304 St. Steel (non wetted parts)
 Seal: Silicone
 Viton

Standard Connections

Inlet/Outlet: 1 -2" Tri Clamp, 1½" Hygienic Coupling
 Vent: ¼" BSPF with Plug
 Drain: ¼" BSPF with Plug
 Optional Connections: Tri Clamp, RJTM Coupling, DIN11851 Coupling, IDMF Coupling

PED Status:

Compliant with 97/23/EC

Exceptions:

Group 1 liquids – Explosive

		71 Series	72 Series	73 Series	76 Series
Fluid Groups	Liquids	-	Groups 1+2	Groups 1+2	Groups 1+2
	Gas	-	Groups 1+2	Group 2	Groups 1+2
Marking		-			CE

For full details on any of our housings please contact the Sales Office or refer to individual datasheets available upon request.

Technical drawings for each individual housing showing dimensions, volume, weights, maximum temperatures and design pressures available on request.

70 Series Accessories

Hygienic Diaphragm Gauge

¼" BSPM, 316 St. St gauge, 0-10 bar, glass or perspex front
 1½" Tri Clamp, 316 St. St gauge, 0-10 bar, glass or perspex front



Hygienic Reducers

0.8 Ra, 1" Tri Clamp reducers to 1½" 2" DIN 1185 male, RJTM, SMSM or IDFM



Clamps and Seals

Silicone, EPDM, Viton, PTFE



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