



Pall Corporation

USD 2131(1)

Advanta Junior Housings

Advanta™ Junior F Housings

High quality versatile sanitary housings for all small scale liquid filtration



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Filtration of liquids is one of the most demanding filter applications in pharmaceutical, biopharmaceutical, beverage and allied industries, especially in low volume production. To meet these requirements, Pall has developed this new range of **Advanta** filter housings. Designed for GMP use, these low upstream volume housings offer high product yields, are easy to use, and benefit from low installation and maintenance costs.

Advanta Junior Filter housings are made from low carbon stainless steel grade AISI 316L. Advanced manufacturing technologies including CNC and orbital welding ensure a robust and highly sanitary design.

Features of this housing range are high quality electropolished internal surfaces, a design optimized for CIP/SIP requirements, design variants for easy automation, as well as convenient filter integrity testing.

Features and benefits

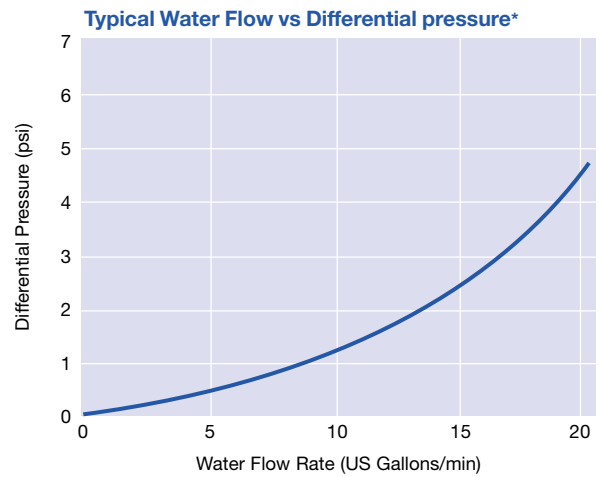
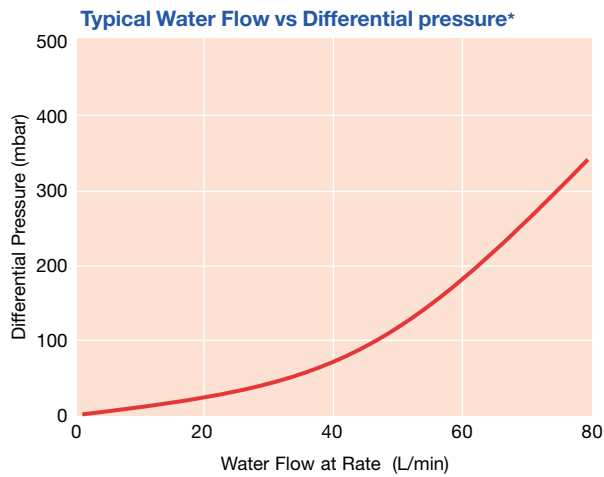
- Aseptic design - with electropolished surfaces giving typical internal Ra-Values of $< 0.4 \mu\text{m}$ / $< 16 \mu\text{inch}$ without crevices or deadlegs and fully self draining
- New valve design for easy operation, maintenance and filter integrity testing
- Variants for integration into automated systems
- Wide range of connection options
- Cartridge retained by built-in flanges and double O-ring seal
- Housings accept up to four cartridge sizes for flexibility

Specification

Maximum Operating Pressure	-1 to 10 bar g / -14.5* to 150psi
Maximum Operating Temperature	140°C / 284°F
Materials of Construction All product wetted parts V-Clamp Seals	AISI 316L AISI 316L, Nitronic 60 Silicone elastomer
Surface Finish Internal External	all electropolished Ra $< 0.4 \mu\text{m}$ / $< 16 \mu\text{inch}$ (typical) Ra $< 0.8 \mu\text{m}$ / $< 32 \mu\text{inch}$ (typical)
Documentation	Certificate type 2.3 to EN10204. Confirmation of gasket material

* Full vacuum

Technical Information



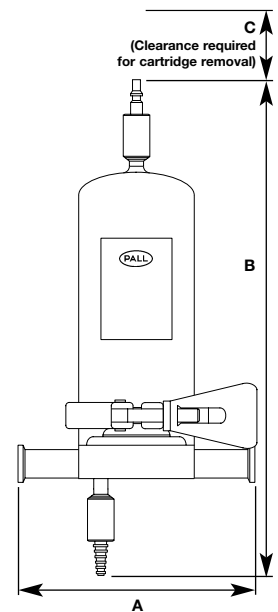
*Water flow/differential pressure drop characteristics refer to the empty housing only for water at 20°C. For other liquids please multiply pressure drop by specific gravity.

Dimensions for standard options

Pall housing part number	Dimension A		Dimension B*		Dimension C**	
	mm	inch	mm	inch	mm	inch
ALT440G05HKH4	151	5.9	314	12.4	112	4.4
ALT440G05DDH4	151	5.9	227	8.9	112	4.4
ALT440NW15HKH4	151	5.9	314	12.4	112	4.4
ALT440GA15HKH4	151	5.9	314	12.4	112	4.4
ALT440GB21HKH4	151	5.9	314	12.4	112	4.4
ALT440G23HKH4	151	5.9	314	12.4	112	4.4

* MCY2220 and MCY1110 variants may be possible, refer to Pall.

** For MCY4440 filters, where smaller filter elements are used, please consult Pall data sheets for nominal length information.



Ordering Information

Pall Part Number: **ALT440 G**

Code	Inlet / outlet
05	3/4" 'Tri-Clamp' compatible
23	1" Tri-Clamp compatible
NW15	Dairy coupling NW 15 to DIN 11851
A15	Aseptic thread connection NW15 to DIN11864-1
B21	Buttweld 21.3x1.6mm to ISO1127

H4*

Code	Vent
D	1/2" Tri-Clamp compatible
H	Sanitary valve with quick-release fitting for 'Stäubli' coupling

*Gasket material silicone, other gasket materials available on request. Please contact Pall.

Code	Drain
D	1/2" Tri-Clamp compatible
K	Sanitary valve with hose barb for 6mm I.D. tubing

Main Accessories and Spares	
Pall Part Number	Description
ACS0598CM	Diaphragm valve kit for 1/2" Tri-Clamp connections incl. Clamp and silicone gasket
ACS0720EU	Silicone housing closure O-ring
ACS0718EU	Housing valve gasket kit
Further spares and accessories on request	



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