

UH219 Series Ultipleat® SRT Filter Assemblies

Features

- Ultipleat (laid-over pleat) medium pack design
- Coreless, cageless element configuration
- Pall Stress-Resistant Technology (SRT) Media
- In-to-out flow path
- Flows to 227 L/min (60 US gpm) at 1 bar (15 psi) ΔP -housing only
- Pressures to 500 bar (7252 psi)
- 1" BSPP ports
- Two indicator ports
- Cap service for ease of maintenance

Notes and Specifications

Maximum Working Pressure: 500 bar (7252 psi)
 Rated Fatigue Pressure: 420 bar (6100 psi)
(10⁷ cycles)
 Typical Burst Pressure: 1500 bar (21,757 psi)
 Seal Material/
 Temperature Range: Nitrile seals: -43°C to 120°C
 (-45°F to 250°F)
 Bypass Valve Setting: 3.4 bar (50 psi)
 Filter Element Burst Pressure: 10 bar (150 psi)
 Materials of Construction: Carbon steel bowl and
 ductile iron head
 Ultipleat SRT
 Element Construction: Inorganic fibers impregnated
 and bonded with epoxy
 resins. Polymer endcaps.
 Anti-static design.

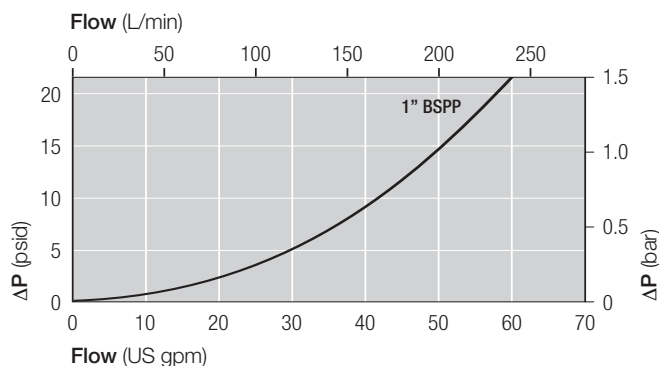


UH219 series Ultipleat SRT filter housing.

Pressure Drop Information

Housing pressure drop using fluid with 0.9 S.G.

Housing pressure drop is directly proportional to specific gravity.

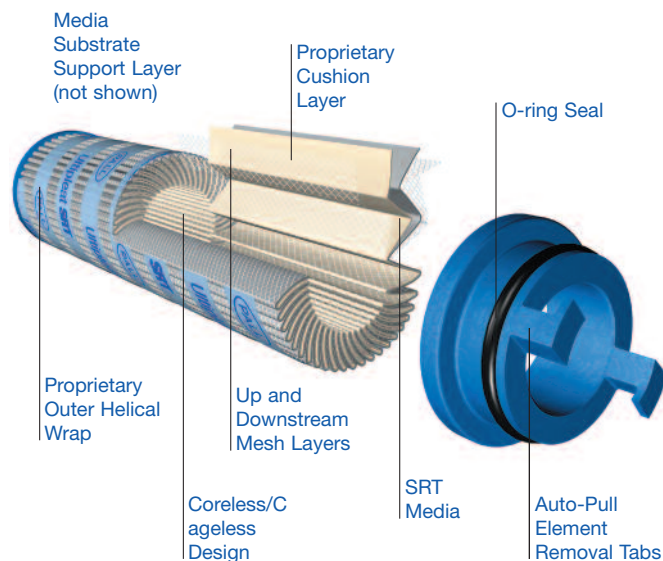


Element Pressure Drop

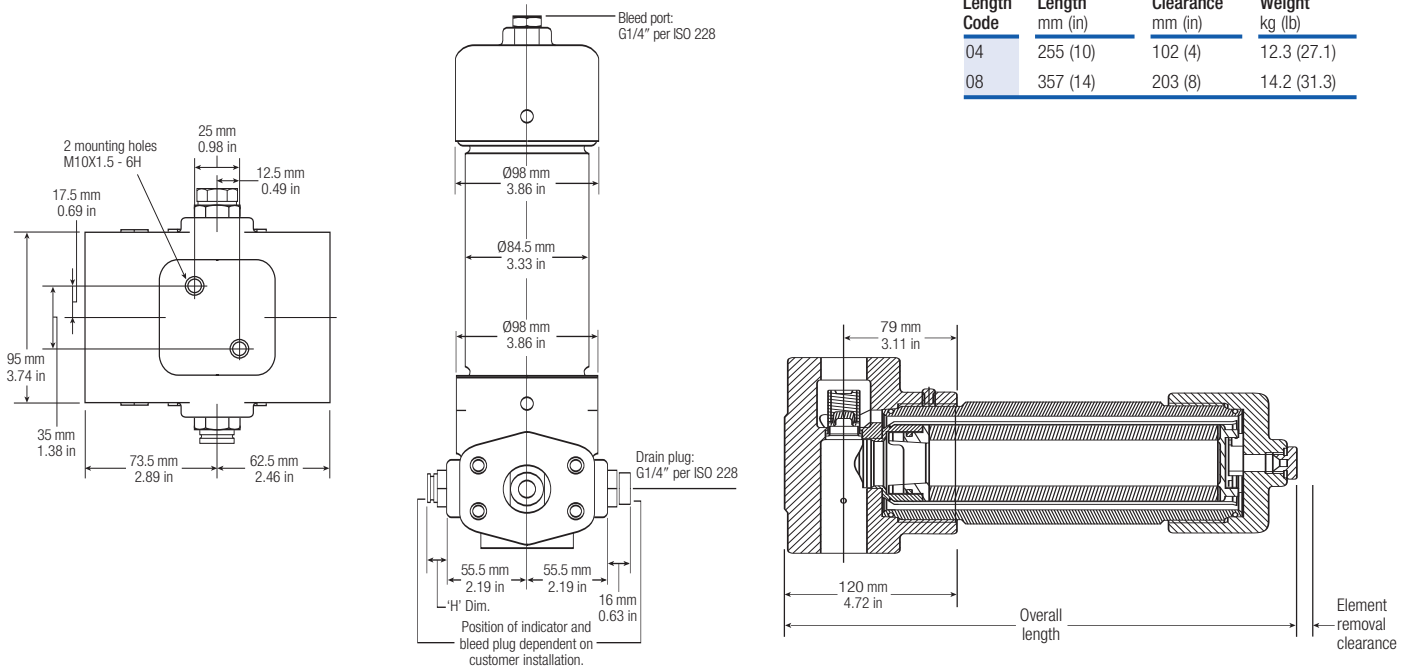
Multiply actual flow rate times factor to determine pressure drop with fluid at 32 cSt (150 SUS), 0.9 S.G. Correct for other fluids by multiplying new viscosity in cSt/32 (SUS/150) x new S.G./0.9. Note: factors are per 1000 L/min and per 1 US gpm.

219 Series Filter Elements — bar/1000 L/min (psid/US gpm)

Length Code	Element Type				
	AZ	AP	AN	AS	AT
04	20.07 (1.102)	8.51 (0.467)	5.72 (0.314)	3.55 (0.195)	2.69 (0.148)
08	9.93 (0.545)	4.21 (0.231)	2.83 (0.155)	1.76 (0.096)	1.33 (0.073)



Dimensional Drawings



Length Code	Overall Length mm (in)	Element Removal Clearance mm (in)	Empty Weight kg (lb)
04	255 (10)	102 (4)	12.3 (27.1)
08	357 (14)	203 (8)	14.2 (31.3)

Ordering Information

Assembly P/N: UH 219 C C16 H B

Table 1 Table 2 Table 3

Element P/N: UE 219 H

Table 1 Table 2

Seal Kit P/N: UH 219 SK H

Table 1: Filter Element Options

Code	B _{x(c)} ≥1000	CST Rating*
AZ	3	08/04/01
AP	5	12/07/02
AN	7	15/11/04
AS	12	16/13/04
AT	22	17/15/08

* From Cyclic Stabilization Test

Table 3: Differential Pressure Indicator Options

Code	Indicator	'H' Dimension
P	Visual indicator with thermal lockout	21 mm (0.83")
M	Electical switch (SPDT) with DIN43650 connector and matching cap	78 mm (3.07")
B	Plug in place of indicator	8 mm (0.32")
9	2 indicator ports with plastic plugs	N/A

Table 2: Length Options

Code	Length (in)*
04	4
08	8

* Nominal length



Pall Industrial Manufacturing

Portsmouth - UK
+44 (0)23 9230 3303 telephone
+44 (0)23 9230 2507 fax

Supplied by:

Primary Fluid Power Limited

Caddick Road
Knowsley Industrial Estate
Merseyside, L34 9HP
(0845) 848 840 telephone
(0151) 548 9869 fax

Filtration. Separation. Solution.sm

Visit us on the web at www.pall.com

Pall Corporation has offices and plants throughout the world in locations including: Argentina, Australia, Austria, Belgium, Brazil, Canada, China, France, Germany, India, Indonesia, Ireland, Italy, Japan, Korea, Malaysia, Mexico, the Netherlands, New Zealand, Norway, Poland, Puerto Rico, Russia, Singapore, South Africa, Spain, Sweden, Switzerland, Taiwan, Thailand, United Kingdom, United States, and Venezuela. Distributors are located in all major industrial areas of the world.

Because of developments in technology these data or procedures may be subject to change. Consequently we advise users to review their continuing validity annually. Part numbers quoted above are protected by the Copyright of Pall Europe Limited.

® Pall and Ultiplet are trade marks of Pall Corporation.
Filtration. Separation. Solution is a service mark of Pall Corporation.
® indicates a trademark registered in the USA.
© Copyright 2004, Pall Corporation.