

Betapure[®]

Disposable Filter Capsules



Fluid Purification



Absolute rated Betapure capsule filters are designed for critical, small volume filter applications and laboratory testing in the coating, fine chemical, and micro-electronic markets. The unique Betapure filter construction employs long bi-component fibers composed of an inner polypropylene core and outer polyethylene sheath. The matrix is thermally bonded during the manufacturing process resulting in a clean, rigid structure that provides consistent and reproducible filtration. Unlike common melt-blown filters that can exhibit erratic efficiencies as differential pressure increases, durable, rigid Betapure filters resist deformation under pressure, resulting in consistent high particle removal efficiencies.

Benefits

- Quick installation and reduced labor
- Low hold-up volume
- Reduced operator exposure and easy disposal
- Eliminates clean-up
- Exceptional chemical compatibility
- Manufactured to an ISO 9001 certified Quality System
- Constructed with FDA 21 CFR listed materials

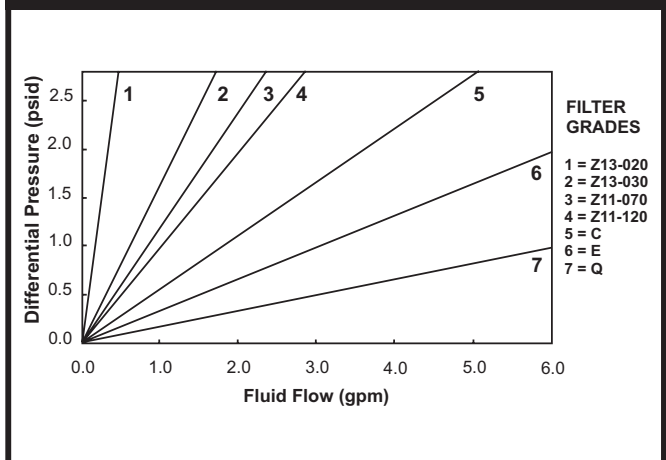
Materials of Construction

All Betapure Filter Media	Bi-component polypropylene / polyethylene fibers
Z11 Filter Media	Includes a polypropylene insert
Z13 Filter Media	Includes a glass paper insert
Capsule Body	PolyPropylene
Vent/drain O-rings	See ordering guide

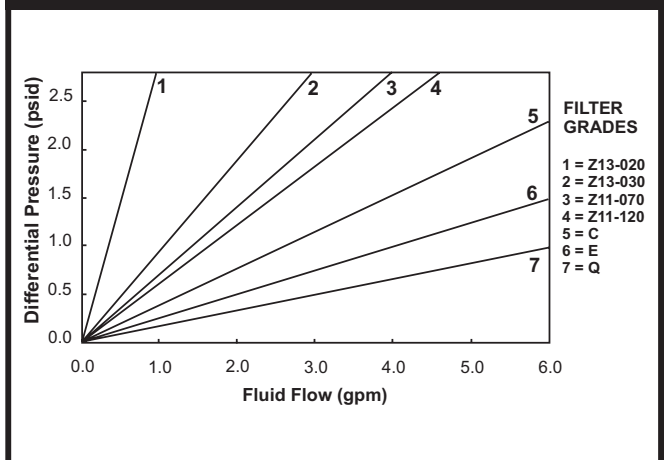
Flow Rates

The following are typical water flow rates for Betapure capsules with 1/2" sanitary flange connections. Other end connections will affect maximum flow rates, see table below. Consult factory representative for flow rates using optional end connections, request LITTDBPCFL or visit www.cuno.com.

Flow Rates for 2 1/2" Capsules with 1/2" Sanitary Flanges @ 20°C



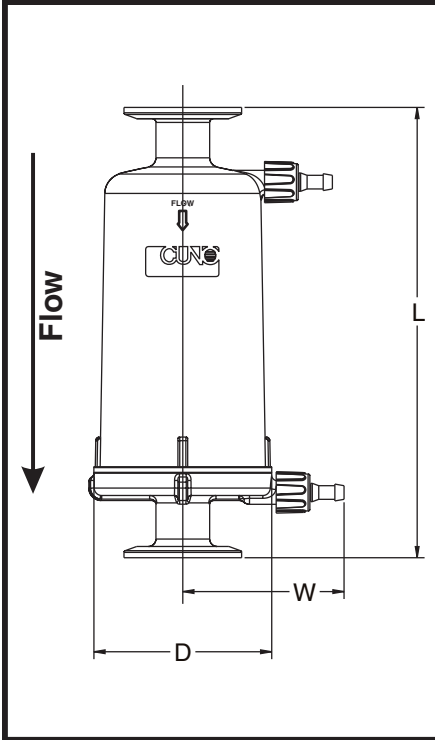
Flow Rates for 5" Capsules with 1/2" Sanitary Flanges @ 20°C



Maximum Recommended Flow by End Connection

End Connection	Maximum Recommended Flow Rate (gpm)	Housing Pressure Loss (psid)*
1/2" Sanitary Flange	6.00	1.00
3/8" FNPT	6.00	1.00
1/2" Hose Barb	3.00	1.50
1/4" MNPT	1.50	2.40
Tapered Hose Barb	0.50	2.20

Figure 1



Operating Conditions

Maximum operating pressure	75 psig (5.2 bar)
Maximum forward differential pressure	75 psid at 104°F (5.2 bar at 40°C)
Recommended change-out differential pressure	35 psid at 104°F (2.4 bar at 40°C)
Maximum Operating Temperature	104°F (40°C) DO NOT in-situ STEAM or Autoclave

Nominal Capsule Dimensions

Dimensions (See Figure 1)	Nominal Length (See Ordering Guide)	With End Connections* (inches)				
		A	B	C	D	E
Length (L)	01	5	5 1/2	5	5	5 1/4
	02	7 1/2	8	7 1/2	7 1/2	7 3/4
Diameter (D)	01	3				
	02	3				
Width to Vent (W)	01	2 3/4				
	02	2 3/4				

WARRANTY

Seller warrants its equipment against defects in workmanship and material for a period of 12 months from date of shipment from the factory under normal use and service and otherwise when such equipment is used in accordance with instructions furnished by Seller and for purposes disclosed in writing at the time of purchase, if any. Any unauthorized alteration of modification of the equipment by Buyer will void this warranty. Seller's liability under this warranty shall be limited to the replacement or repair, F.O.B., point of manufacture, of any defective equipment or part which, having been returned to the factory, transportation charges prepaid, has been inspected and determined by Seller to be defective. THIS WARRANTY IS IN LIEU OF ANY OTHER WARRANTY, EITHER EXPRESSED OR IMPLIED, AS TO DESCRIPTION, QUALITY, MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE OR USE, OR ANY OTHER MATTER. Under no circumstances shall Seller be liable to Buyer or any third party for any loss of profits or other direct or indirect costs, expenses, losses or consequential damages arising out of or as a result of any defects in or failure of its products or any part or parts thereof or arising out of or as a result of parts or components incorporated in Seller's equipment but not supplied by the Seller.

Betapure Filter Capsule Ordering Guide

Cartridge Type	Grade		Configuration	Nominal Length	End Connection	Vent O-ring Option	Packaging Option
	Code*	Absolute Rating (µm)					
AU	Z13020	2	C = Capsule	01 = 2 1/2"	A = 1 1/2" sanitary flange B = 1/2" (14mm) hose barb C = 1/4" MNPT D = 3/8" FNPT E = 1/4" - 3/16" - 3/8" tapered hose barb	A = Silicone B = Fluorocarbon C = EPR	01 = single pack 03 = 3 pack 20 = 20 pack
	Z13030	3					
	Z13050	5					
	Z11060	6					
	Z11070	7					
	Z11080	8					
	Z11100	10					
	Z11120	12					
	Z11150	15					
	B11	20					
	C11	30					
	E11	40					
	G11	70					
	L11	90					
	Q11	100					
V11	140						
W11	160						
X11	190						

Your Local CUNO Distributor is:

* Grades Z13020 through Z13050 employ a glass paper insert, grades Z11060 through Z11150 employ a polypropylene insert.

Service Worldwide

Visit us at www.cuno.com



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Cuno Incorporated

400 Research Parkway
 Meriden, CT 06450, U.S.A.
 Tele: (800) 243-6894
 (203) 237-5541
 Fax: (203) 238-8977

CUNO Pacific Pty Ltd
 140 Sunnyholt Road
 Blacktown, NSW 2148
 Australia

CUNO GmbH
 Wihl-Th-Römheld-Str. 32
 55130 Mainz
 Germany

CUNO Srl
 Via Zara, 38
 20032 Cormano (Mi)
 Italy

CUNO Filtration Asia Pte Ltd
 18 Tuas Link 1 (3rd Floor)
 Singapore 638597

CUNO Latina Ltda
 Rua Amf Do Brasil 251
 18120 Mairinque-Sp
 Brazil

CUNO Europe SA
 19 Avenue de la Sablière
 ZI de la Sablière
 BP 81 - 94372 Sucy en Brie Cedex
 France

CUNO K.K.
 Hodogaya Station
 Building 6F
 1-7 Iwai-cho, Hodogaya-ku
 Yokohama 240 Japan

CUNO Ltd
 21 Woking Business Park
 Albert Drive
 Woking, Surrey GU215JY
 United Kingdom