

# QuickChange<sup>®</sup> NX Liquid Filters

*Yield-enabling all-PTFE filtration  
for aqueous-based chemistries*

QuickChange<sup>®</sup> NX nondewetting filters deliver a cost-effective solution for clean, high-temperature filtration of aqueous-based, outgassing and base chemistries in  $\geq 28$  nm technology nodes. Constructed of an all-PTFE membrane with PFA supports, QuickChange NX filters utilize several membrane configurations to meet various process demands. The advanced cleaning standards effectively reduce metals, chlorides, and particle shedding to ensure lower organic extractables and maximize device yield.

Because QuickChange NX is packaged “water-wet” in ultrapure DI water, there is no need for IPA prewetting prior to use. This packaging prevents alcohol and chemical interactions, avoids potential sources of contamination, and prevents filter dewetting that leads to sudden flow loss and unscheduled filter changeouts.

## APPLICATIONS

- FEOL, MOL, and BEOL wet chemical processing
- Single wafer and batch tools for mainstream technology nodes
- Critical chemical manufacturing and delivery systems



## FEATURES & BENEFITS

<b>Nondewetting PTFE membrane with PFA supports</b>	Compatible with high-temperature aqueous applications
<b>UCM-16 cleaning</b>	Enhanced cleaning technology ensures lower organic extractables for fast startup time
<b>“Water-wet” packaging in ultrapure DI water</b>	Requires no IPA prewetting prior to use Prevents alcohol and chemical interactions Avoids potential sources of contamination Prevents dewetting that can lead to sudden flow loss and unscheduled filter changeouts
<b>Comprehensive aqueous-based chemical compatibility</b>	High-temperature processes including SC1, SC2, SPM, nitride etch, metal etch, and various semi-aqueous resist strips  Low-temperature processes including H <sub>2</sub> SO <sub>4</sub> , H <sub>3</sub> PO <sub>4</sub> , HNO <sub>3</sub> , HCl, NH <sub>4</sub> OH, H <sub>2</sub> O <sub>2</sub> , TMAH, and ozonated water

## SPECIFICATIONS

<b>Materials</b>	Membrane	Prewet, nondewetting PTFE					
	Supports	PFA					
<b>FOR CARTRIDGE FILTERS</b>							
	Cartridge connections	Code 0 (2-222) o-rings					
	Cartridge o-ring	E-FKM, E-ETP, Chemraz® or Kalrez®					
	Key (cartridge with Chemlock® key only)	PFA					
<b>FOR DISPOSABLE FILTERS</b>							
	Shell	PFA					
<b>Retention rating</b>	15 nm (NXT, NXE, NXF, NXG)						
	30 nm, 0.05 µm, 0.1 µm, and 0.2 µm (NXT, NXX, NXM, NXE)						
<b>Membrane area</b>		<b>NXT</b>	<b>NXX</b>	<b>NXM</b>	<b>NXE</b>	<b>NXF</b>	<b>NXG</b>
	<b>30 nm, 0.05 µm, 0.1 µm, and 0.2 µm</b>						
	4"	–	0.5 m <sup>2</sup> (5.4 ft <sup>2</sup> )	–	–	–	–
	10"	0.9 m <sup>2</sup> (9.7 ft <sup>2</sup> )	1.3 m <sup>2</sup> (14 ft <sup>2</sup> )	1.8 m <sup>2</sup> (19.4 ft <sup>2</sup> )	2.2 m <sup>2</sup> (23.7 ft <sup>2</sup> )	–	–
	20"	1.8 m <sup>2</sup> (19.4 ft <sup>2</sup> )	2.6 m <sup>2</sup> (28 ft <sup>2</sup> )	3.6 m <sup>2</sup> (38.8 ft <sup>2</sup> )	4.4 m <sup>2</sup> (47.4 ft <sup>2</sup> )	–	–
	30"	2.7 m <sup>2</sup> (29 ft <sup>2</sup> )	–	–	–	–	–
	<b>15 nm</b>						
	10"	0.9 m <sup>2</sup> (9.7 ft <sup>2</sup> )	–	–	2 m <sup>2</sup> (21.5 ft <sup>2</sup> )	2.4 m <sup>2</sup> (25.8 ft <sup>2</sup> )	3 m <sup>2</sup> (32.3 ft <sup>2</sup> )
	20"	1.8 m <sup>2</sup> (19.4 ft <sup>2</sup> )	–	–	4 m <sup>2</sup> (43.1 ft <sup>2</sup> )	4.8 m <sup>2</sup> (51.7 ft <sup>2</sup> )	6 m <sup>2</sup> (64.6 ft <sup>2</sup> )

## SPECIFICATIONS (CONTINUED)

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**Maximum  
operating  
conditions**

Maximum operating pressure:  
0.58 MPa (5.8 bar; 84 psi) @ 25°C (77°F)  
0.097 MPa (0.97 bar; 14 psi) @ 200°C (392°F)

Maximum forward differential pressure:  
0.44 MPa (4.4 bar; 64 psid) @ 25°C (77°F)  
0.05 MPa (0.52 bar; 7.5 psid) @ 200°C (392°F)

Maximum reverse pressure:  
0.35 MPa (3.45 bar; 50 psi) @ 25°C (77°F)

Maximum operating temperature:  
200°C (392°F)

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**Metallic  
extractables**

Standard Clean: Testing conducted for 16 metals  
UCM-16: Testing conducted for 23 metals

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**Other  
extractables**

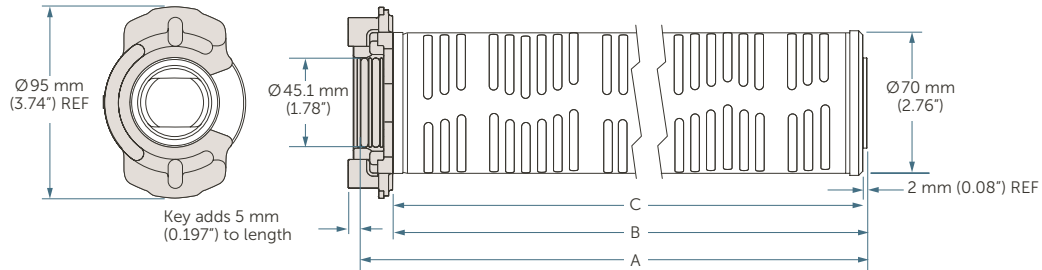
Standard Clean: Testing conducted for TOC  
UCM-16: Testing conducted for TOC, Cl, F ions

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# QuickChange NX Cartridge Filters

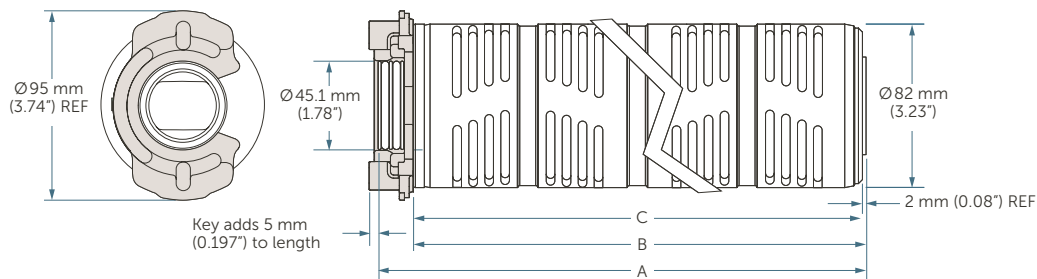
## DIMENSIONS

### QuickChange NXT Cartridge Filters



Length	A	B	C
10"	262.3 mm (10.33")	245 mm (9.65")	243 mm (9.57")
20"	498.3 mm (19.62")	481 mm (18.94")	479 mm (18.86")
30"	738.3 mm (29.07")	721 mm (28.39")	719 mm (28.31")

### QuickChange NXF, NXG, NXE, NXM and NXX Cartridge Filters

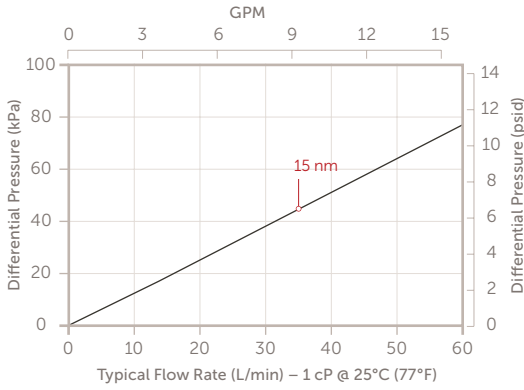


Length	A	B	C
4"*	127.3 mm (5.01")	110 mm (4.33")	108.5 mm (4.27")
10"	244 mm (9.61")	227 mm (8.94")	225 mm (8.86")
20"	471 mm (18.54")	454 mm (17.87")	452 mm (17.80")

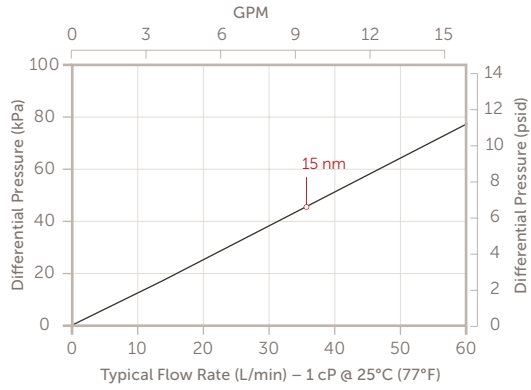
\*The 4" length is only available with QuickChange NXX.

## PERFORMANCE DATA

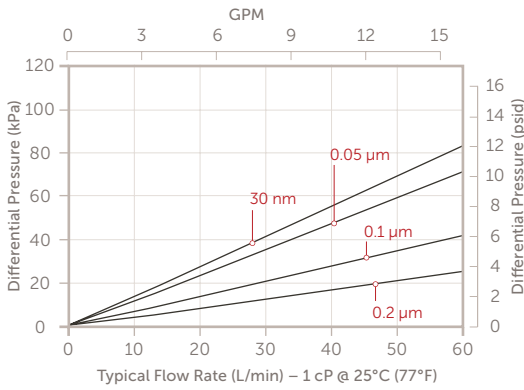
### QuickChange NXF 10" Cartridge Filters



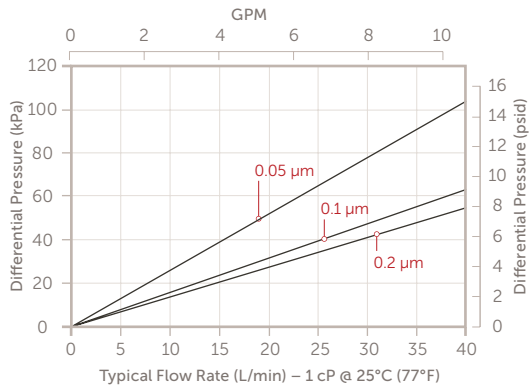
### QuickChange NXG 10" Cartridge Filters



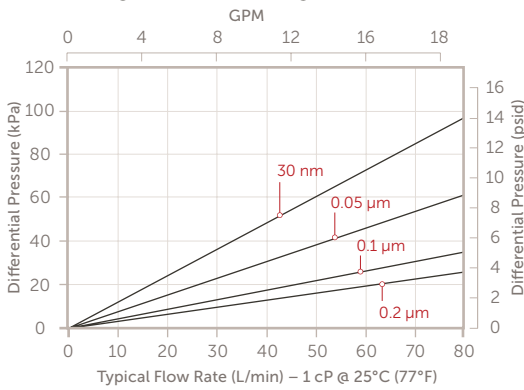
### QuickChange NXT 10" Cartridge Filters



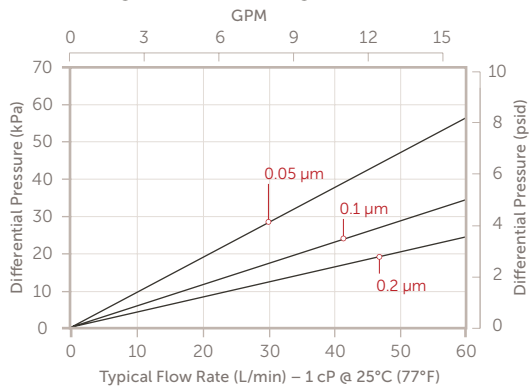
### QuickChange NXX 4" Cartridge Filters



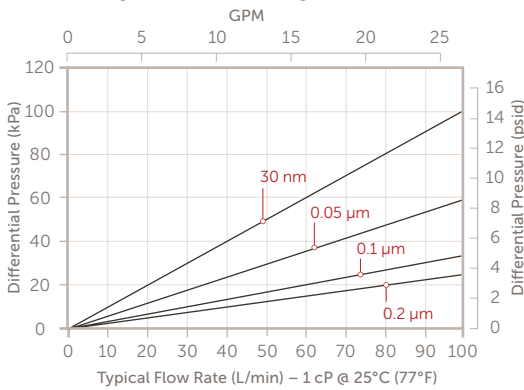
### QuickChange NXT 20" Cartridge Filters



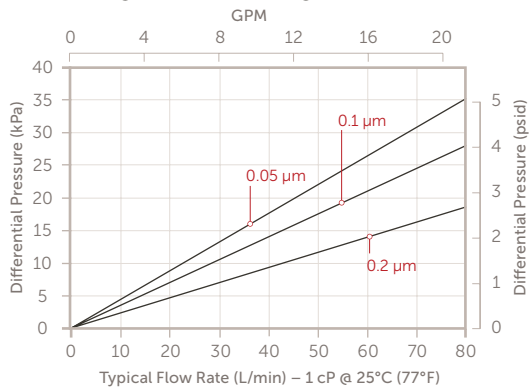
### QuickChange NXX 10" Cartridge Filters



### QuickChange NXT 30" Cartridge Filters

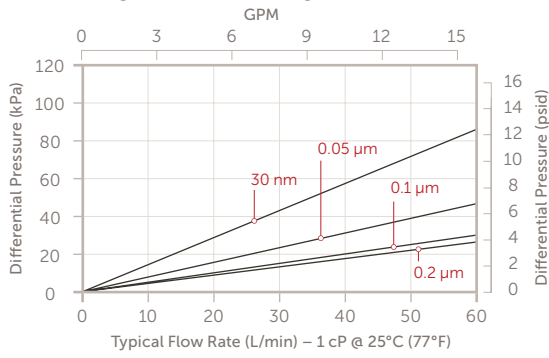


### QuickChange NXX 20" Cartridge Filters

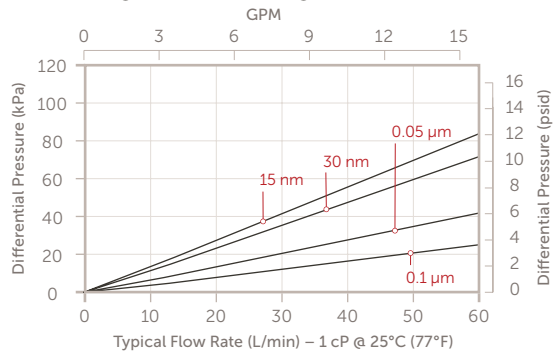


**PERFORMANCE DATA (CONTINUED)**

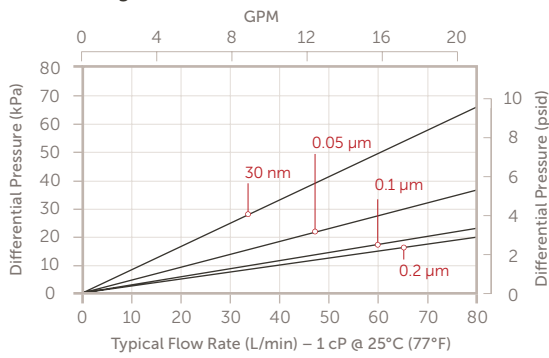
**QuickChange NXM 10" Cartridge Filters**



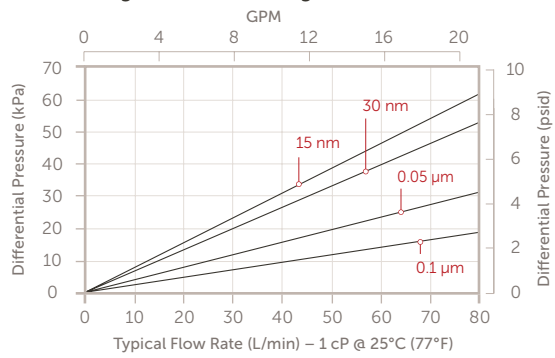
**QuickChange NXE 10" Cartridge Filters**



**QuickChange NXM 20" Filters**



**QuickChange NXE 20" Cartridge Filters**

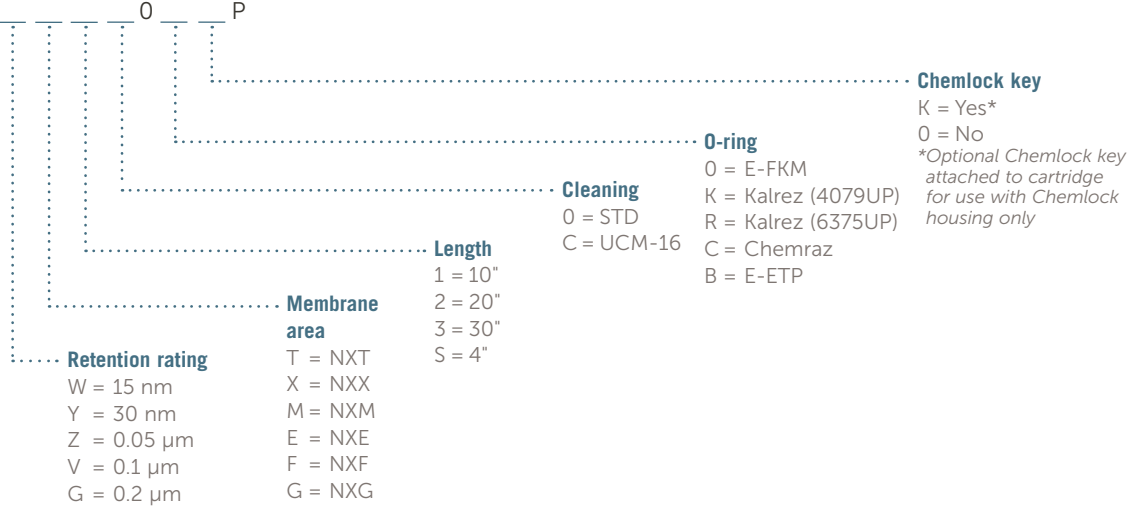


## ORDERING INFORMATION

This information serves as a guide. Please contact your local representative to confirm part numbers

### QuickChange NX Cartridge Filters: part number

NXC \_\_\_\_\_ 0 \_\_\_\_\_ P



Note: The 4" length is only available with the NXX membrane.

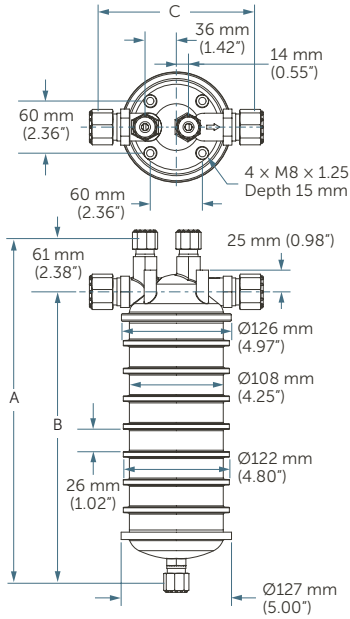
# QuickChange NX Chem-Line I and Chem-Line II Disposable Filters

## DIMENSIONS

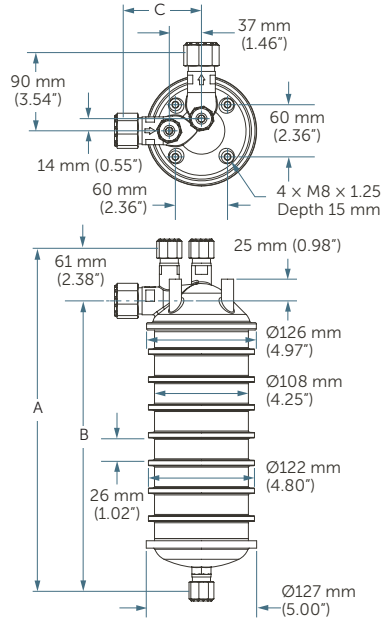
The drawings on the following pages represent the broad range of QuickChange NX Chem-Line I and Chem-Line II disposable filters. Refer to the accompanying tables for dimensional information pertaining to each category and type.

### Chem-Line I Disposable Filters With Standard Vent

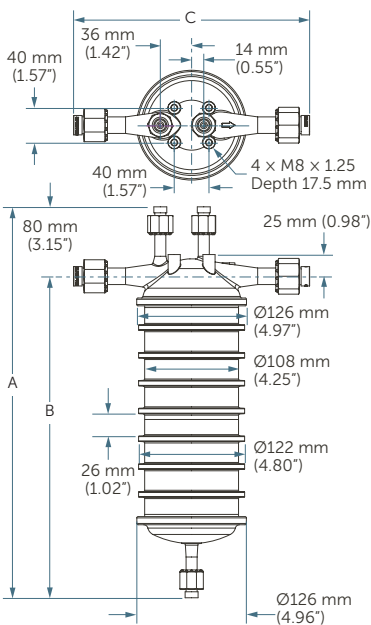
#### Chem-Line I T-line with Standard Vent (T02H, T42H)



#### Chem-Line I L-line with Standard Vent (L02H)



#### Chem-Line I T-tube with Standard Vent (B02H, B02S, B02W, B022)





## DIMENSIONS (CONTINUED)

Disposable type	Length	Length A (overall height)	Length B (bottom fitting to centerline inlet fitting)	Length C (inlet to outlet)
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### Nominal dimensions for Chem-Line I with standard vent (10": NXX/NXM/NXE/NXF/NXG), (4": NXX) – T-line

T02H: ¾" inlet/outlet; ½" vent/drain; Super Type Pillar® fittings	4"	280 mm (11.02")	219 mm (8.62")	180 mm (7.09")
	10"	396 mm (15.58")	335 mm (13.19")	180 mm (7.09")
T42H: 1" inlet/outlet; ½" vent/drain; Super Type Pillar fittings	4"	286 mm (11.25")	225 mm (8.86")	188 mm (7.40")
	10"	402 mm (15.82")	341 mm (13.43")	188 mm (7.40")

### Nominal dimensions for Chem-Line I with standard vent (10": NXX/NXM/NXE/NXF/NXG), (4": NXX) – L-line\*

L02H: ¾" inlet/outlet; ½" vent/drain; Super Type Pillar fittings	4"	279 mm (11.00")	218 mm (8.58")	90 mm (3.54")
	10"	395 mm (15.56")	334 mm (13.15")	90 mm (3.54")

\* L-line inlet to outlet length is inlet to centerline of outlet fitting.

### Nominal dimensions for Chem-Line I with standard vent (10": NXX/NXM/NXE/NXF/NXG), (4": NXX) – B-line

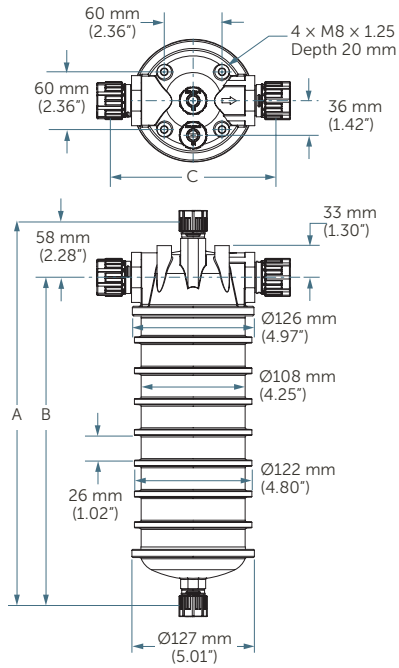
B02H: ¾" inlet/outlet; ½" vent/drain Super Type Pillar fittings	4"	334 mm (13.14")	254 mm (10.00")	272 mm (10.69")
	10"	450 mm (17.71")	370 mm (14.57")	272 mm (10.69")
B02S: ¾" inlet/outlet; ½" vent/drain Super 300 Type Pillar fittings	4"	333 mm (13.12")	253 mm (9.96")	268 mm (10.55")
	10"	449 mm (17.69")	369 mm (14.53")	268 mm (10.55")
B022: ¾" inlet/outlet; ½" vent/drain; FlareLock® II fittings	4"	320 mm (12.60")	247 mm (9.72")	252 mm (9.92")
	10"	436 mm (17.17")	363 mm (14.29")	252 mm (9.92")

## DIMENSIONS (CONTINUED)

### Chem-Line I Disposable Filters with Rotated Vent

This drawing represents the Chem-Line I disposable filters with Rotated Vent. Refer to the accompanying table for specific dimensional information.

#### Chem-Line I T-line with Rotated Vent (902S, 942S)



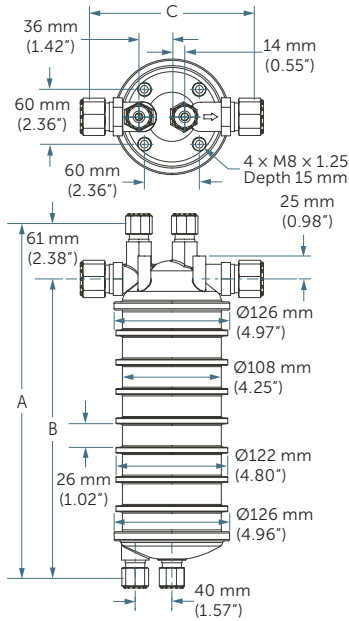
Disposable Type	Length	Length A (overall height)	Length B (bottom fitting to centerline inlet fitting)	Length C (inlet to outlet)
<b>Nominal dimensions for Chem-Line I with rotated vent (10": NXX/NXM/NXE/NXF/NXG) – T-line</b>				
902S: 3/4" inlet/outlet; 1/2" vent drain; Super 300 Type Pillar fittings	10"	399 mm (15.70")	341 mm (13.43")	172 mm (6.77")
942S: 1" inlet/outlet; 1/2" vent/drain; Super 300 Type Pillar fittings	10"	399 mm (15.70")	341 mm (13.43")	182 mm (7.17")

## DIMENSIONS (CONTINUED)

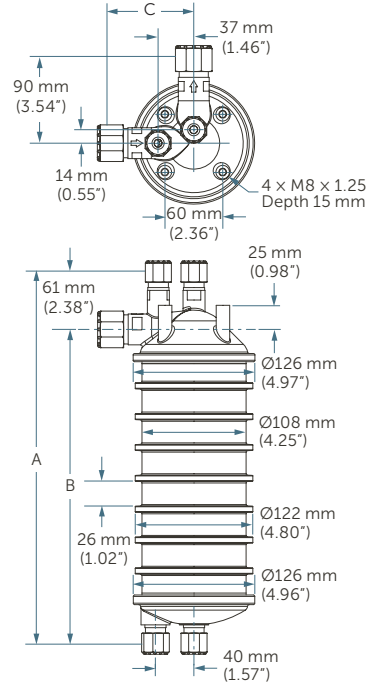
### Chem-Line I Disposable Filters with Core Vent and Core Vent (Rotated)

These drawings represent the Chem-Line I disposable filters with Core Vent and Core Vent (Rotated). Refer to the accompanying tables for specific dimensional information.

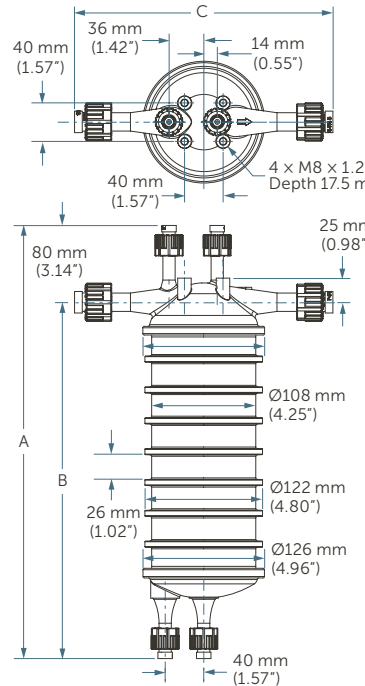
#### Chem-Line I T-line with Core Vent (T02H, T42H, T02S)



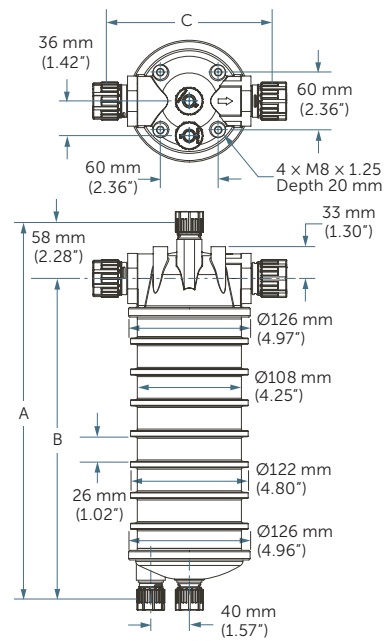
#### Chem-Line I L-line with Core Vent (L02H)



#### Chem-Line I T-tube with Core Vent (B02S, B02W)



#### Chem-Line I T-line with Core Vent (Rotated) (902S, 942S, 902L, 942L)



## DIMENSIONS (CONTINUED)

Disposable type	Length	Length A (overall height)	Length B (bottom fitting to centerline inlet fitting)	Length C (inlet to outlet)
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### Nominal dimensions for Chem-Line I with core vent (10": NXX/NXM/NXE/NXF/NXG) – T-line

T02H: 3/4" inlet/outlet; 1/2" vent/drain; Super Type Pillar fittings	10"	388 mm (15.26")	327 mm (12.87")	180 mm (7.09")
T42H: 1" inlet/outlet; 1/2" vent/drain; Super Type Pillar fittings	10"	394 mm (15.49")	333 mm (13.11")	188 mm (7.40")
T02S: 3/4" inlet/outlet; 1/2" vent/drain; Super 300 Type Pillar fittings	10"	383 mm (15.06")	324 mm (12.76")	172 mm (6.77")

### Nominal dimensions for Chem-Line I with core vent (10": NXX/NXM/NXE/NXF/NXG) – L-line\*

L02H: 3/4" inlet/outlet; 1/2" vent/drain; Super Type Pillar fittings	10"	387 mm (15.24")	326 mm (12.83")	90 mm (3.54")
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\*L-line inlet to outlet length is inlet to centerline of outlet fitting.

### Nominal dimensions for Chem-Line I with core vent (10": NXX/NXM/NXE/NXF/NXG) – T-tube

B02S: 3/4" inlet/outlet; 1/2" vent/drain; Super 300 Type Pillar fitting	10"	449 mm (17.69")	369 mm (14.53")	268 mm (10.55")
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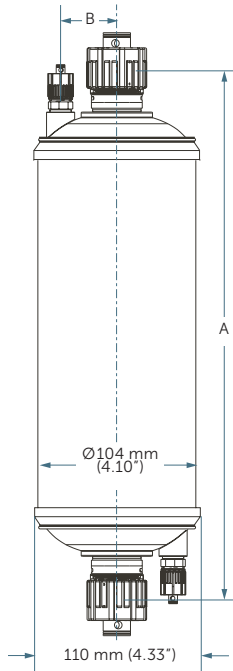
### Nominal dimensions for Chem-Line I with core vent (rotated) (10": NXX/NXM/NXE/NXF/NXG) – T-line

902S: 3/4" inlet/outlet; 1/2" vent/drain; Super 300 Type Pillar fittings	10"	391 mm (15.37")	333 mm (13.11")	172 mm (6.77")
942S: 1" inlet/outlet; 1/2" vent/drain; Super 300 Type Pillar fittings	10"	391 mm (15.37")	333 mm (13.11")	182 mm (7.17")
902L: 3/4" inlet/outlet; 1/2" vent/drain; PrimeLock® fittings	10"	424 mm (16.68")	349 mm (13.74")	215 mm (8.48")
942L: 1" inlet/outlet; 1/2" vent/drain; PrimeLock fittings	10"	424 mm (16.68")	349 mm (13.74")	243 mm (9.58")

## DIMENSIONS (CONTINUED)

### Chem-Line II Disposable Filters

This drawing represents the Chem-Line II disposable filters. Refer to the accompanying table for specific dimensional information.



Note:  
A = overall height  
B = Centerline fitting length

#### Nominal dimensions for Chem-Line II disposable filters

Inlet/ outlet	Vent/ drain	DIMENSIONS		
		B	A (4" filter)	A (10" filter)
<b>Flaretek® fittings</b>				
3/8"	1/4"	37 mm (1.46")	230 mm (9.06")	343 mm (13.51")
1/2"	1/4"	37 mm (1.46")	243 mm (9.58")	356 mm (14.03")
3/4"	1/4"	37 mm (1.46")	246 mm (9.68")	359 mm (14.13")
3/4"	1/2"	41 mm (1.63")	250 mm (9.85")	363 mm (14.30")
1"	1/4"	37 mm (1.46")	255 mm (10.02")	368 mm (14.47")
1"	1/2"	41 mm (1.63")	263 mm (10.37")	376 mm (14.82")

#### Flowell 60 series fittings

3/8"	1/4"	37 mm (1.46")	248 mm (9.77")	361 mm (14.20")
3/4"	1/2"	41 mm (1.63")	241 mm (9.49")	354 mm (13.94")
1"	1/4"	37 mm (1.46")	258 mm (10.16")	371 mm (14.61")
1"	1/2"	41 mm (1.63")	253 mm (9.96")	366 mm (14.41")

#### Super 300 Type Pillar fittings (female)

3/4"	1/4"	37 mm (1.46")	245 mm (9.64")	358 mm (14.09")
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#### Super 300 Type Pillar fittings (male)

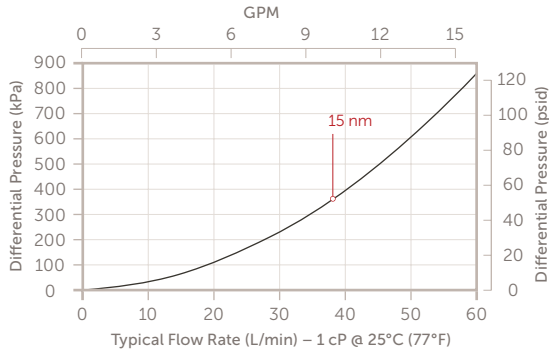
1/2"	1/4"	37 mm (1.46")	228 mm (8.96")	341 mm (13.41")
3/4"	1/4"	37 mm (1.46")	237 mm (9.31")	350 mm (13.76")
3/4"	1/2"	41 mm (1.63")	236 mm (9.29")	349 mm (13.74")
1"	1/4"	37 mm (1.46")	270 mm (10.62")	383 mm (15.07")
1"	1/2"	41 mm (1.63")	267 mm (10.53")	380 mm (14.97")

#### PrimeLock fittings

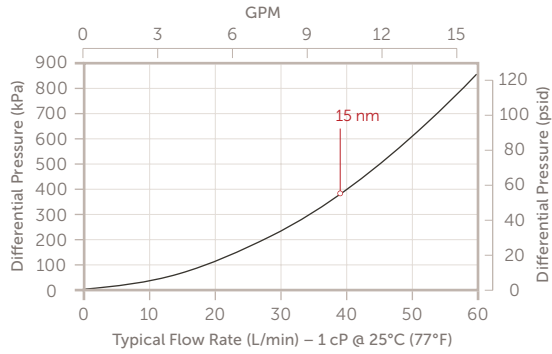
3/8"	1/4"	37 mm (1.46")	243 mm (9.57")	356 mm (14.02")
1/2"	1/4"	37 mm (1.46")	248 mm (9.75")	361 mm (14.20")
3/4"	1/4"	37 mm (1.46")	260 mm (10.23")	373 mm (14.68")
1"	1/4"	41 mm (1.63")	—	388 mm (15.24")

## PERFORMANCE DATA

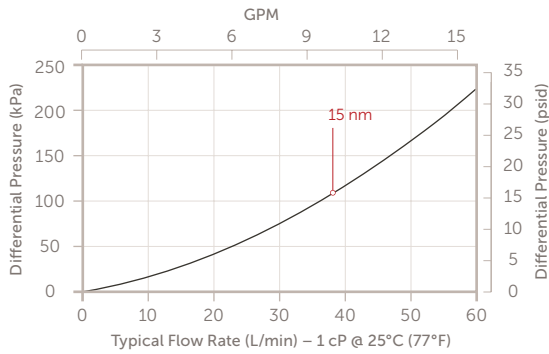
QuickChange NXF 10" Disposable Filters 3/8" I/O



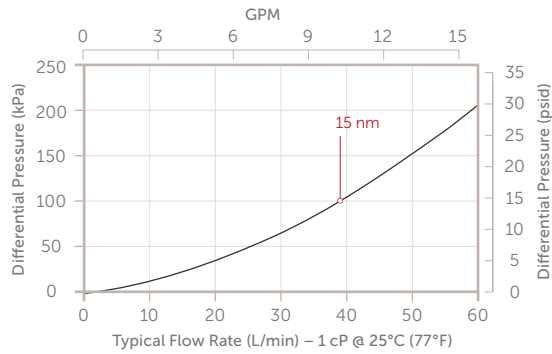
QuickChange NXG 10" Disposable Filters 3/8" I/O



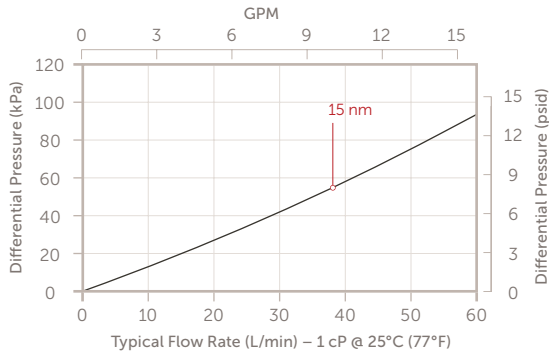
QuickChange NXF 10" Disposable Filters 1/2" I/O



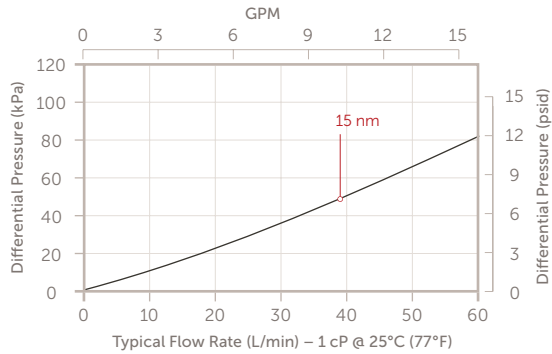
QuickChange NXG 10" Disposable Filters 1/2" I/O



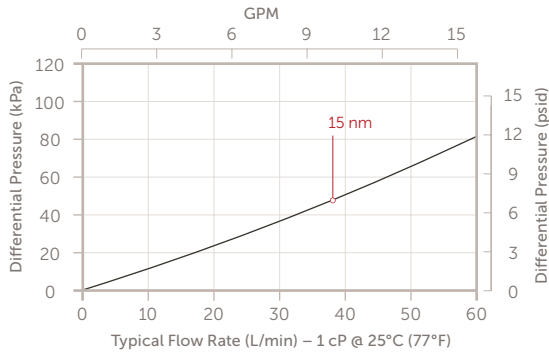
QuickChange NXF 10" Disposable Filters 3/4" I/O



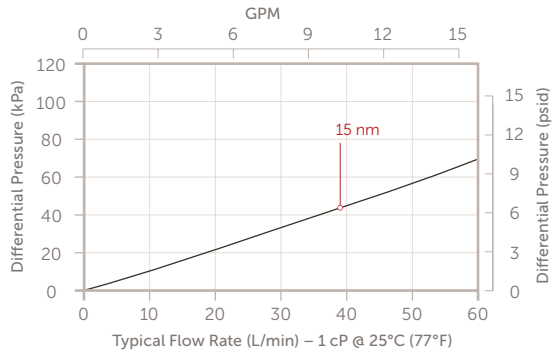
QuickChange NXG 10" Disposable Filters 3/4" I/O



QuickChange NXF 10" Disposable Filters 1" I/O

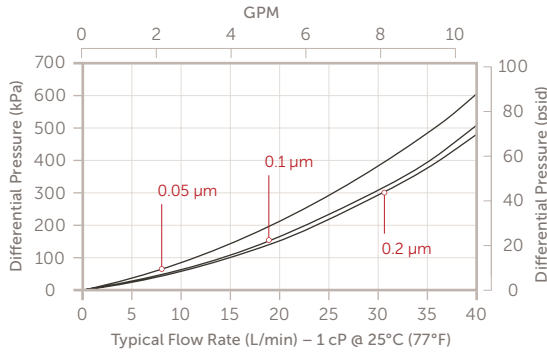


QuickChange NXG 10" Disposable Filters 1" I/O

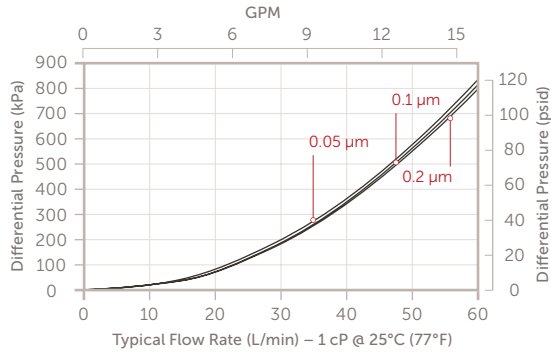


**PERFORMANCE DATA (CONTINUED)**

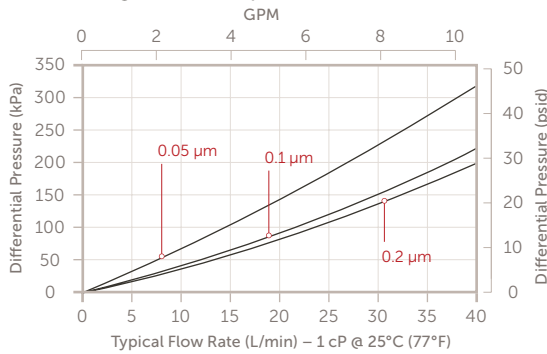
**QuickChange NXX 4" Disposable Filters 3/8" I/O**



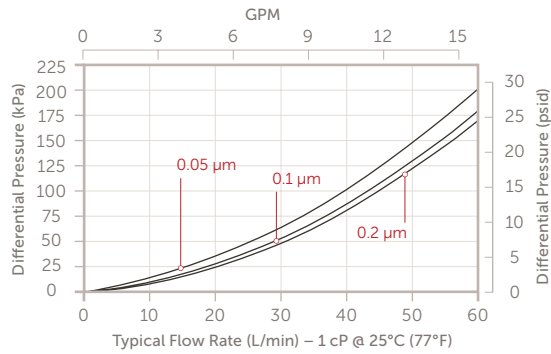
**QuickChange NXX 10" Disposable Filters 3/8" I/O**



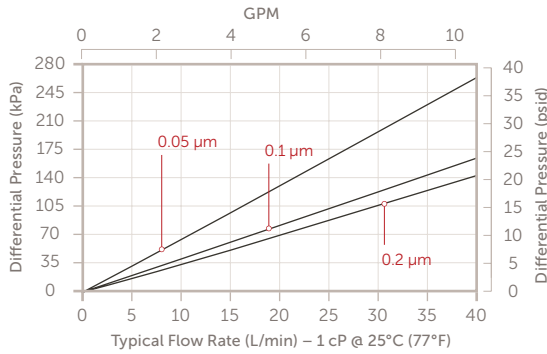
**QuickChange NXX 4" Disposable Filters 1/2" I/O**



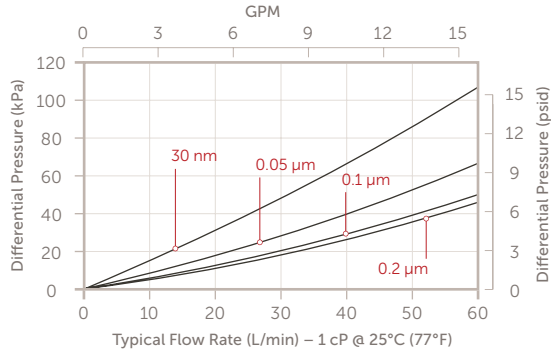
**QuickChange NXX 10" Disposable Filters 1/2" I/O**



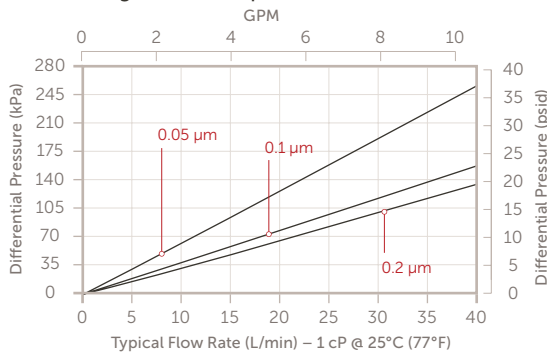
**QuickChange NXX 4" Disposable Filters 3/4" I/O**



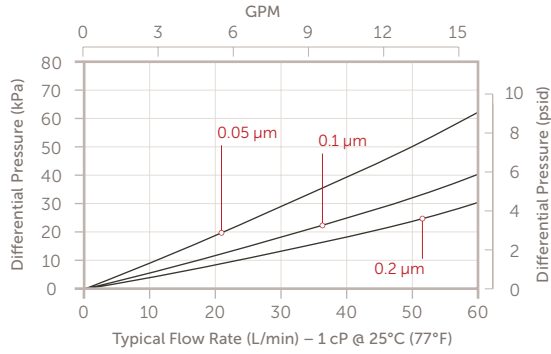
**QuickChange NXX 10" Disposable Filters 3/4" I/O**



**QuickChange NXX 4" Disposable Filters 1" I/O**

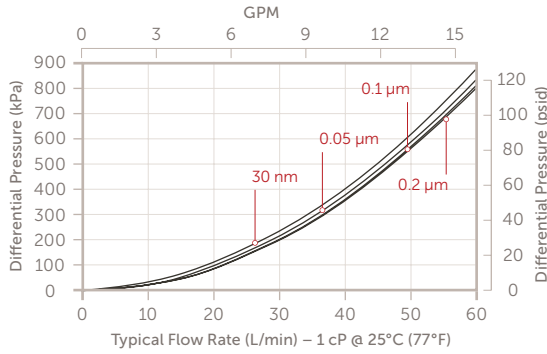


**QuickChange NXX 10" Disposable Filters 1" I/O**

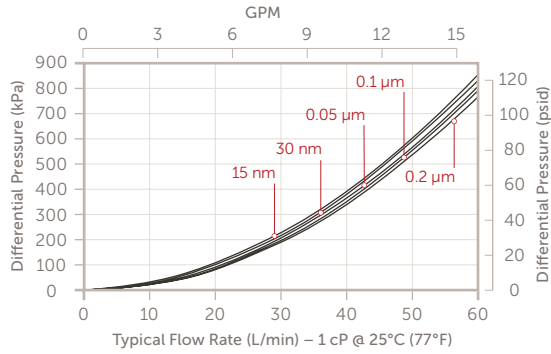


**PERFORMANCE DATA (CONTINUED)**

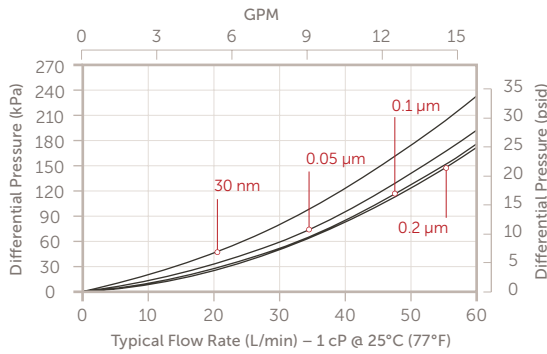
**QuickChange NXM 10" Disposable Filters 3/8" I/O**



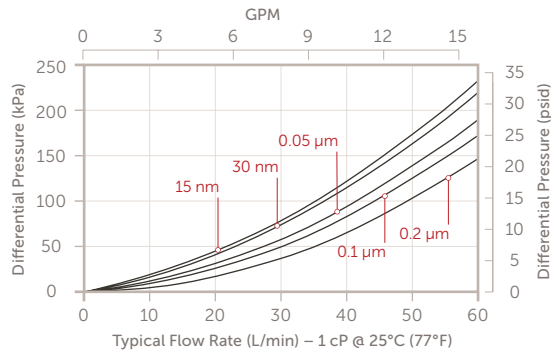
**QuickChange NXE 10" Disposable Filters 3/8" I/O**



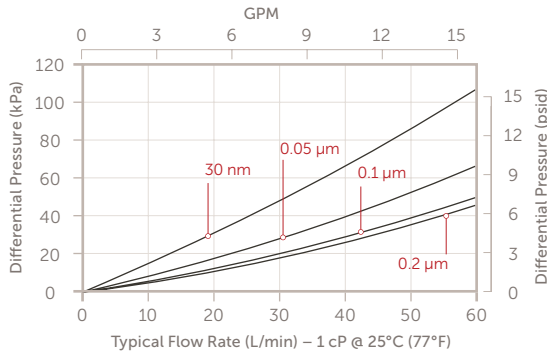
**QuickChange NXM 10" Disposable Filters 1/2" I/O**



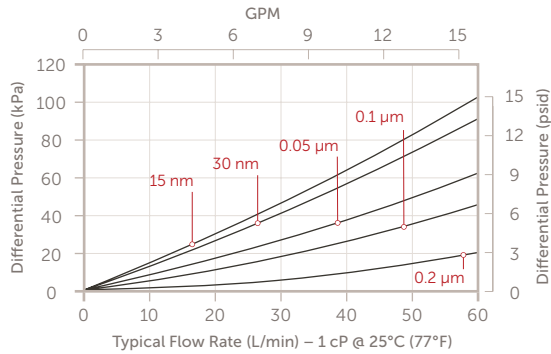
**QuickChange NXE 10" Disposable Filters 1/2" I/O**



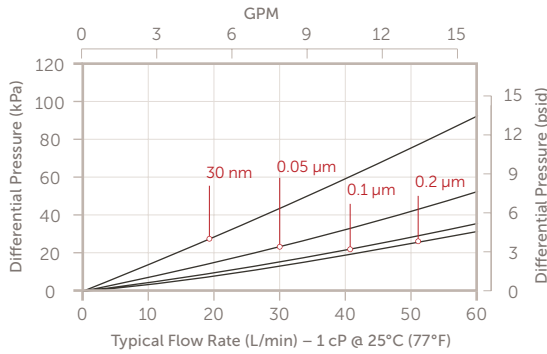
**QuickChange NXM 10" Disposable Filters 3/4" I/O**



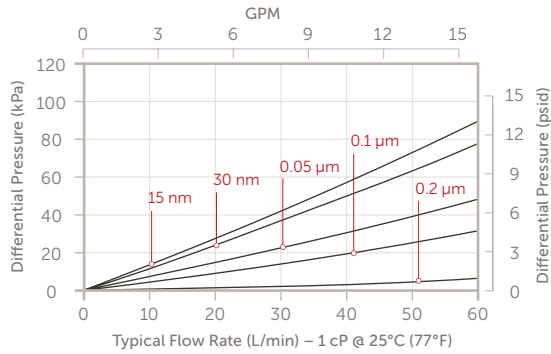
**QuickChange NXE 10" Disposable Filters 3/4" I/O**



**QuickChange NXM 10" Disposable Filters 1" I/O**



**QuickChange NXE 10" Disposable Filters 1" I/O**

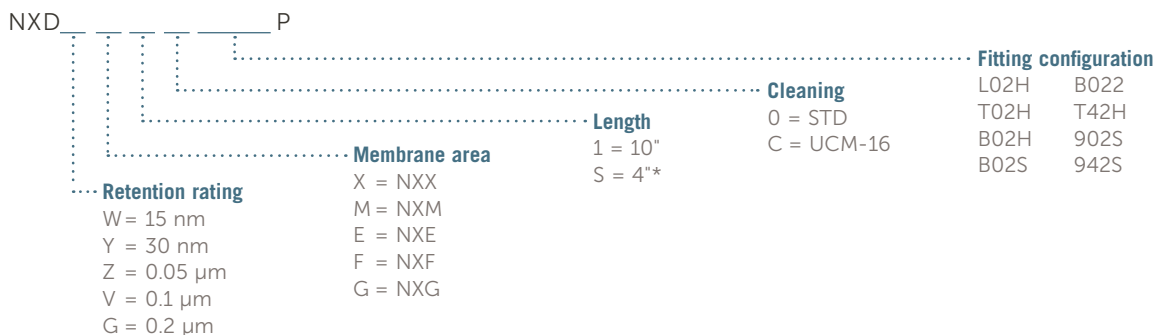




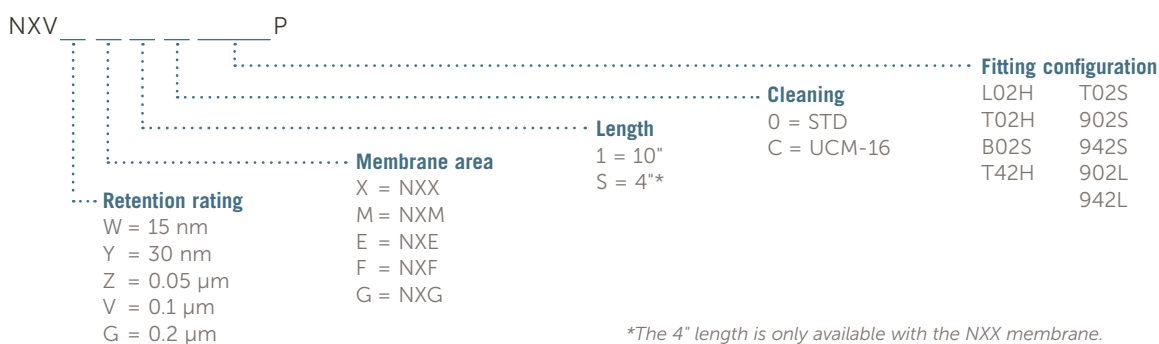
## ORDERING INFORMATION

This information serves as a guide. Please contact your local representative to confirm part numbers.

### QuickChange NX Chem-Line I Disposable Filters with Standard Vent: part number



### QuickChange NX Chem-Line I Disposable Filters with Core Vent and Core Vent (Rotated): part number



\*The 4" length is only available with the NXX membrane.

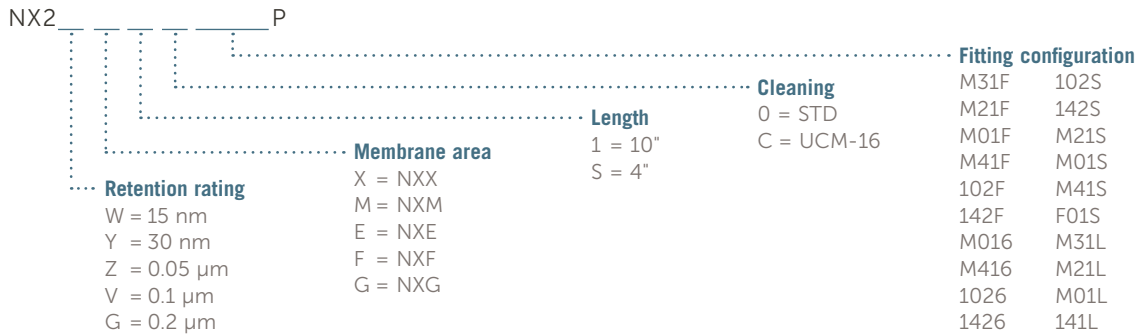
### Fitting key

Key	Configuration	Inlet/outlet	Vent/drain	Fitting
L02H	L-line/L-line core vent	3/4"	1/2"	Super Type Pillar
T02H	T-line/T-line core vent	3/4"	1/2"	Super Type Pillar
B02H	T-tube	3/4"	1/2"	Super Type Pillar
B02S	T-tube/T-tube core vent	3/4"	1/2"	Super 300 Type Pillar
B022	T-tube	3/4"	1/2"	FlareLock II
T42H	T-line core vent	1"	1/2"	Super Type Pillar
T02S	T-line core vent	3/4"	1/2"	Super 300 Type Pillar
902S	T-line rotated vent/ T-line core vent (rotated)	3/4"	1/2"	Super 300 Type Pillar
942S	T-line rotated vent/ T-line core vent (rotated)	1"	1/2"	Super 300 Type Pillar
902L	T-line core vent (rotated)	3/4"	1/2"	PrimeLock
942L	T-line core vent (rotated)	1"	1/2"	PrimeLock

## ORDERING INFORMATION (CONTINUED)

This information serves as a guide. Please contact your local representative to confirm part numbers.

### QuickChangeNX Chem-Line II Disposable Filters: part number



Note: The 4" length is only available with QuickChange NXX.

### Fitting key

Key	Configuration	Inlet/outlet	Vent/drain	Fitting
M31F	In-line	3/8"	1/4"	Flaretek
M21F	In-line	1/2"	1/4"	Flaretek
M01F	In-line	3/4"	1/4"	Flaretek
M41F	In-line	1"	1/4"	Flaretek
102F	In-line offset	3/4"	1/2"	Flaretek
142F	In-line offset	1"	1/2"	Flaretek
M016	In-line	3/4"	1/4"	Flowell 60 series
M416	In-line	1"	1/4"	Flowell 60 series
1026	In-line offset	3/4"	1/2"	Flowell 60 series
1426	In-line offset	1"	1/2"	Flowell 60 series
102S	In-line offset	3/4"	1/2"	Super 300 Type Pillar
142S	In-line offset	1"	1/2"	Super 300 Type Pillar
M21S	In-line	1/2"	1/4"	Super 300 Type Pillar
M01S	In-line	3/4"	1/4"	Super 300 Type Pillar
M41S	In-line	1"	1/4"	Super 300 Type Pillar
F01S	In-line female	3/4"	1/4"	Super 300 Type Pillar
M31L	In-line	3/8"	1/4"	PrimeLock
M21L	In-line	1/2"	1/4"	PrimeLock
M01L	In-line	3/4"	1/4"	PrimeLock
141L	In-line	1"	1/4"	PrimeLock

# QuickChange NX P1000/P1500/P3000 Small Disposable Filters

## SPECIFICATIONS

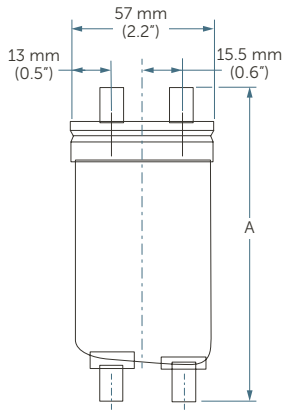
		NX P1000	NX P1500	NX P3000
<b>Materials</b>	Membrane	Prewet, nondewetting PTFE		
	Supports	PFA		
	Shell	PFA		
<b>Retention rating</b>	15 nm, 30 nm, 0.05 µm and 0.1 µm			
<b>Membrane area</b>	15 nm	—	0.19 m <sup>2</sup> (2.1 ft <sup>2</sup> )	0.44 m <sup>2</sup> (4.7 ft <sup>2</sup> )
	30 nm	0.1 m <sup>2</sup> (1.1 ft <sup>2</sup> )	0.18 m <sup>2</sup> (1.9 ft <sup>2</sup> )	0.45 m <sup>2</sup> (4.8 ft <sup>2</sup> )
	0.05 µm	0.1 m <sup>2</sup> (1.1 ft <sup>2</sup> )	0.12 m <sup>2</sup> (1.3 ft <sup>2</sup> )	0.3 m <sup>2</sup> (3.2 ft <sup>2</sup> )
	0.1 µm	0.1 m <sup>2</sup> (1.1 ft <sup>2</sup> )	0.13 m <sup>2</sup> (1.4 ft <sup>2</sup> )	0.3 m <sup>2</sup> (3.2 ft <sup>2</sup> )
<b>Cartridge connections</b>	N/A			
<b>Maximum operating conditions</b>	Maximum operating pressure	0.59 MPa (5.9 bar; 86 psi) @ 25°C (77°F)		
		0.19 MPa (1.9 bar; 28 psi) @ 95°C (203°F)		
	Maximum forward differential pressure	0.39 MPa (3.9 bar; 57 psi) @ 25°C (77°F)		
		0.19 MPa (1.9 bar; 28 psi) @ 95°C (203°F)		
Maximum reverse pressure	0.29 MPa (2.9 bar; 42 psi) @ 25°C (77°F)			
Maximum operating temperature	95°C (203°F)			
<b>Metallic extractables</b>	UCM-16	Testing conducted for 23 metals		
<b>Other extractables</b>	Standard and UCM-16	TOC, Cl, F		

Note: QuickChange NX P1500 and P3000 with the 15 nm retention rating are only available with Ultraclean (UCM-16), not Standard Clean.

## DIMENSIONS

These drawings represent the small disposable filters (P1000/P1500/P3000). Refer to the accompanying tables for specific dimensional information.

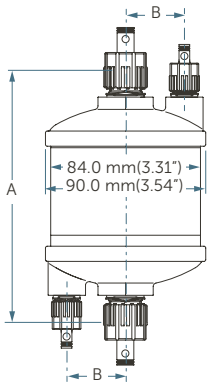
### QuickChange NX P1000 Small Disposable Filters



#### Nominal dimensions — small disposables P1000

Fitting type	Dimension A
Super Type Pillar	120 mm (4.72")
Flaretek compatible	147 mm (5.79")

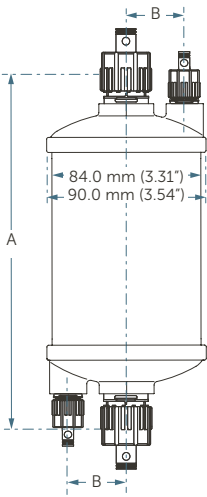
### QuickChange NX P1500 Small Disposable Filters



#### Nominal dimensions — small disposables P1500

Fitting type	Dimension B	Dimension A
8 mm Super Type Pillar	32 mm (1.26")	140 mm (5.50")
8 mm Super 300 Type Pillar	31 mm (1.22")	135 mm (5.32")
3/8" Super 300 Type Pillar	31 mm (1.22")	135 mm (5.32")
3/8" Flaretek compatible	32 mm (1.26")	165 mm (6.50")

### QuickChange NX P3000 Small Disposable Filters

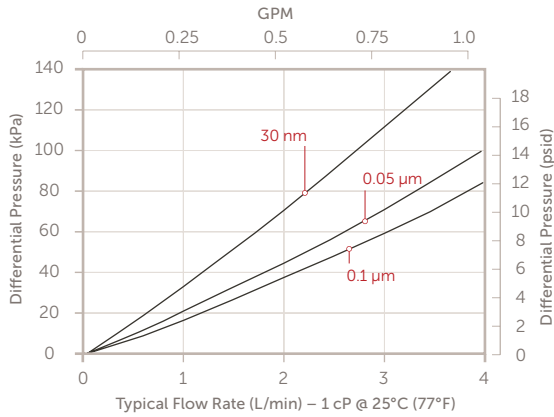


#### Nominal dimensions — small disposables P3000

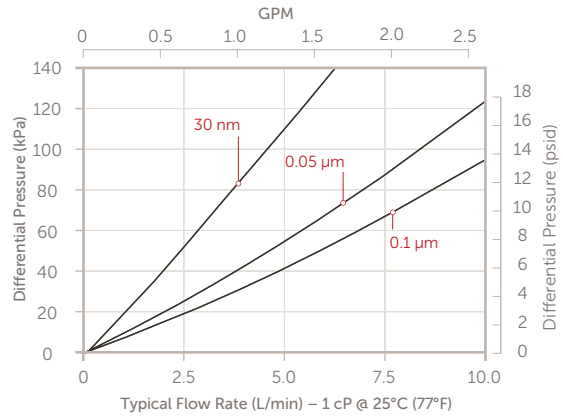
Fitting type	Dimension B	Dimension A
8 mm Super Type Pillar	32 mm (1.26")	194 mm (7.64")
1/2" Super Type Pillar	32 mm (1.26")	204 mm (8.03")
8 mm Super 300 Type Pillar	31 mm (1.22")	189 mm (7.44")
3/8" Super 300 Type Pillar	31 mm (1.22")	194 mm (7.64")
1/2" Super 300 Type Pillar	31 mm (1.22")	199 mm (7.84")
3/8" Flaretek compatible	32 mm (1.26")	220 mm (8.66")

## PERFORMANCE DATA

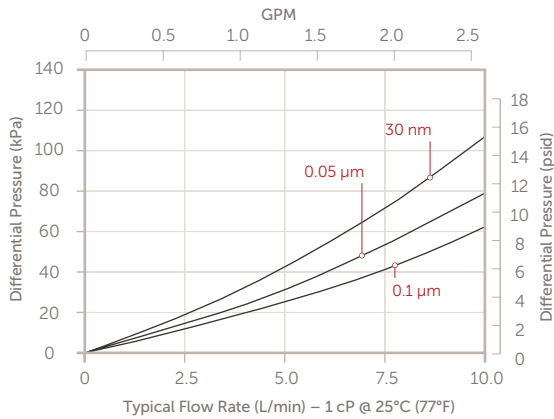
QuickChange NX P1000 Disposable Filters



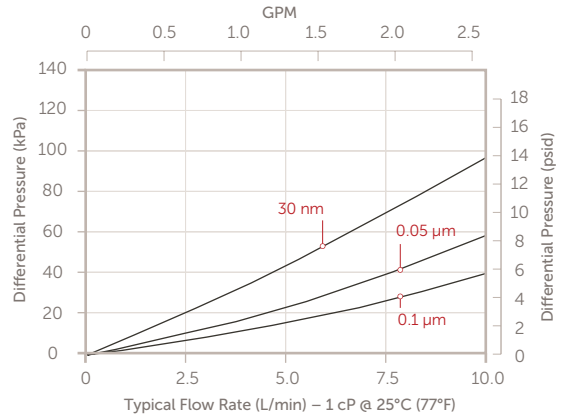
QuickChange NX P1500 Disposable Filters



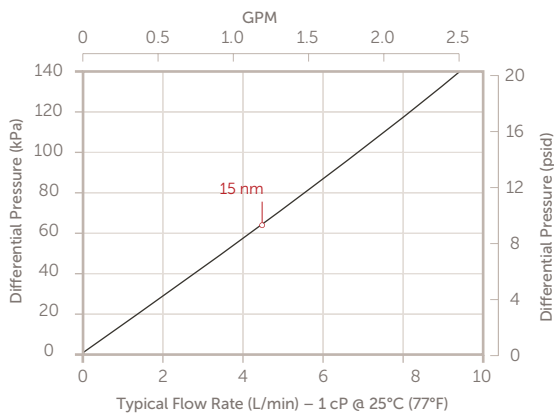
QuickChange NX P3000 Disposable Filters  
Typical 8 mm and 3/8" Fittings



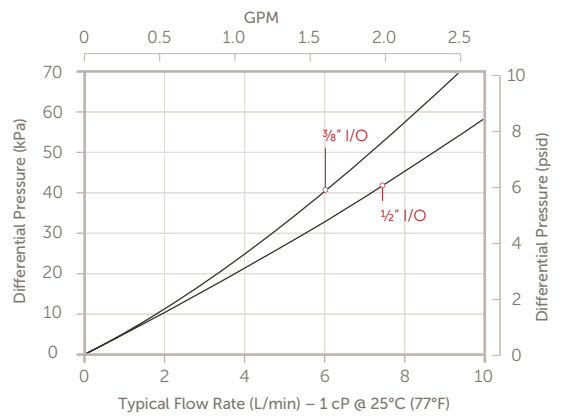
QuickChange NX P3000 Disposable Filters  
Typical 1/2" Fittings



QuickChange NX P1500 Disposable Filters



QuickChange NX P3000 Disposable Filters (15 nm)



## ORDERING INFORMATION

This information serves as a guide. Please contact your local representative to confirm part numbers.

### QuickChange NX P1000

Disposable Filters: part number

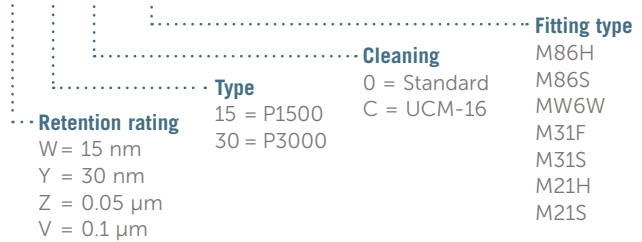
NXP 10 0 P



### QuickChange NX P1500/P3000

Disposable Filters: part number

NXP P



### Fitting key

Key	Inlet/outlet	Vent/drain	Fitting
M66H	6 mm	6 mm	Super Type Pillar
M11F	1/4"	1/4"	Flaretek
M11H	1/4"	1/4"	Super Type Pillar
M86H	8 mm	6 mm	Super Type Pillar
M86S	8 mm	6 mm	Super 300 Type Pillar
MW6W	12 mm	6 mm	Flowell 20
M31F	3/8"	1/4"	Flaretek
M31S	3/8"	1/4"	Super 300 Type Pillar
M21H	1/2"	1/4"	Super Type Pillar
M21S	1/2"	1/4"	Super 300 Type Pillar

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