

DEIONIZATION CARTRIDGES-TYPE PCS

For Barnstead Pressure Cartridge Systems:
NANOPURE, E-pure, B-pure, as indicated in the following table.

Description	For use with:	NCL #	Price/ea
Ultrapure	Nanopure II, Nanopure, B-pure, Bantam	D-0809	126.35
Ultrapure	Quad style Nanopure, E-pure	D-5027	122.55
High Capacity	Nanopure, E-pure, B-pure, Bantam	D-0803	122.55
Organic Removal	B-pure, Bantam	D-0813	106.40
Organic Removal	Nanopure, E-pure	D-0836	162.45
Organic-Free	Quad style Nanopure, E-pure	D-5021	155.80
Organic-Free	Nanopure II, Old style Nanopure	D-0820	152.95
Colloid, Organic	Nanopure, E-pure, B-pure	D-0835	120.65
Pretreatment	B-pure (pretreatment for Firstream stills)	D-0832	111.15



B-PURE CARTRIDGE SYSTEMS

For use under line pressure with PCS cartridges. Produces up to 4 liters per minute, depending on feedwater quality. Features quarter-turn quick release canisters. Select the cartridge(s) for your application from the table above. The B-pure single cartridge holder is a simple, economy system with no extras.

Description	NCL #	Price/ea
B-pure single holder	D-4511	402.80

E-PURE WATER PURIFICATION SYSTEMS

(Three and four cartridge systems)

The E-pure system is the bare-bone version of the following Nanopure systems. The E-pure systems will provide you with Type I reagent grade water at low cost. Both of the following units feature a continuous recirculation pump, digital resistivity meter, quarter-turn quick release canisters, and a 0.2 micron final filter at the draw-off valve. Both units are for wall mounting, and provide a flow rate up to 2 liters/minute, depending on feedwater quality. Both units require 110VAC to operate the purity meter.

Description	NCL #	Price/ea
E-pure three cartridge system	D-4631	3618.00
E-pure four cartridge system	D-4641	3789.00
4-cartridge kit for E-pure	D-5028	486.40



DEIONIZATION CARTRIDGES-TYPE HN

(Hose nipple cartridges)

Please note: These cartridges are designed for gravity filtration only. They are not intended to withstand line pressures. For line pressure applications, you will need to use PCS cartridges (on the following page) in Nanopure, E-pure, B-pure, PCS, or Bantam systems. The best tubing to use with Barnstead hose nipple cartridges is 5/16" ID.

BARNSTEAD D8902, ULTRAPURE

(for producing Ammonia-free water)

This is the most commonly recommended and used cartridge for producing ammonia-free water.

D-8902 117.80/ea

BARNSTEAD D8901, HIGH CAPACITY

Contains ion exchange resins in multi-bed configuration to produce larger quantity of deionized water than D8902, but of somewhat lower purity levels. Average water produced is 175,000 ohms/cm which is equivalent to about 3 ppm of ionized solids. Resin capacity is 1870 grains expressed as NaCl to an end-point of 50,000 ohms/cm.

D-8901 117.80/ea

BARNSTEAD D8921, PRETREATMENT

Pretreats feed water to stills to minimize maintenance. Contains resin to deionize water and carbon to remove chlorine additives and some volatile organic compounds present in most municipal water supplies. Capacity is 1600 grains expressed as NaCl.

D-8921 122.55/ea

BARNSTEAD D8904, ORGANIC REMOVAL

Contains an activated carbon composition for removal of organics and chlorine commonly found in tap water. When used before a deionization cartridge, this cartridge is generally replaced every other time the deionization cartridge is replaced. Will process about 5500 liters (1450 gal.) of water on average quality water supplies.

D-8904 96.90/ea



BARNSTEAD D8900, WALL BRACKET

For Hose Nipple Cartridge. Positions cartridge vertically and has slot for hose connection. Fits any one of the above cartridges.

D-8900 42.75/ea

**D-8900
WALL
BRACKET
with Type
HN cartridge**

BARNSTEAD D8922, COMBINATION CARTRIDGE

Contains mixed-bed resin for deionization plus activated carbon for organic removal. If used by itself, capacity is 975 grains expressed as NaCl, two thirds of which is over 1 megohm/cm purity.

D-8922 130.15/ea

OTHER TYPE HN DEIONIZATION CARTRIDGES

Description	NCL #	Price/ea
Ultrapure (without dye)	D-8911	122.55
Cation Removal	D-8905	94.05

A note regarding feed water for all cartridge systems:

Virtually any type of water, including tap water, can be used as supply water to any deionization system. However, the cartridge use and the cost of operation can be extremely high with tap water as feed water. For example, the typical DI cartridge has a capacity of 1200 grain-gallons. If your feedwater has a hardness of 20 grains, you will only get about 60 gallons of reagent water per cartridge change. In most cases, RO water or distilled water is used as feedwater for DI systems. Using softened water will not decrease cartridge usage, as softening merely replaces Ca++ and Mg++ ions with Na+ ions.





High Quality Alternative PCS Cartridges			
Description	For use with:	NCL #	Price/ea
Ultrapure	Nanopure II, Nanopure, B-pure, Bantam	LS-0809	112.50
Ultrapure	Quad style Nanopure, E-pure	LS-5027	112.50
High Capacity	Nanopure, E-pure, B-pure, Bantam	LS-0803	112.50
Organic Removal	B-pure, Bantam	LS-0813	94.50
Organic Removal	Nanopure, E-pure	LS-0836	141.30
Organic-Free	Quad style Nanopure, E-pure	LS-5021	135.90
Organic-Free	Nanopure II, Old style Nanopure	LS-0820	137.70
Colloid, Organic	Nanopure, E-pure, B-pure	LS-0835	112.50
Pretreatment	B-pure (pretreatment for Fistream stills)	LS-0832	102.60
Final Filter	0.2 Micron Final Filter w/Endbell	LS-3750	87.30



High Quality Alternative HN Cartridges			
Description	Cartridge Type	NCL #	Price/ea
HN 3/8", non-pressure	High Capacity 2-Bed, Dyed	LS-8901	106.20
	Ultrapure, Dyed	LS-8902	106.20
	Organic Removal	LS-8904	90.00
	Ultrapure - no dye	LS-8911	108.00
	Organic Removal & Dyed Ultrapure	LS-8922	116.10
	Wall bracket for above cartridges	LS-8900	36.00



MEGA-PURE DI CARTRIDGES

Barnstead #	Description	NCL #	Price/ea
D-400377	High Purity	DC-3508A	212.80
D-400499	High Capacity	DC-3508B	223.25
D-440265	Organic Removal	DC-3508ORC	198.55

CARTRIDGE KITS FOR THE INFINITY SYSTEMS

Description	NCL #	Price/kit
Type I for tap or DI feed: one D-50251 Pretreatment Cartridge, three D-50253 Ultrapure Cartridges, two FL-703X2 Dispensers with 0.2 micron filter.	D-50256	811.30
Type I for RO or Distilled feed: one D-50250 Pretreatment Cartridge, three D-50253 Ultrapure Cartridges, two FL-703X2 Dispensers with 0.2 micron filter.	D-50257	724.85
Organic-free Cartridge Kit, for tap or DI feed: one D-50251 Pretreatment Cartridge, two D-50253 Ultrapure Cartridges, one D-50252 Organic-free Cartridge, two FL-703X2 Dispensers with 0.2 micron filter.	D-50254	789.45
Organic-free Cartridge Kit, for RO or Distilled feed: one D-50250 Pretreatment Cartridge, two D-50253 Ultrapure Cartridges, one D-50252 Organic-free Cartridge, two FL-703X2 Dispensers with 0.2 micron filter.	D-50255	774.25
Sanitization Cartridge	D-50258	66.50

CARTRIDGE KITS FOR THE QUAD STYLE NANOPURE SYSTEMS

Description	NCL #	Price/kit
Type I, Tap feed. Contains: one D-0835 Pretreatment Cartridge, one D-0835 Pretreatment Cartridge, and two D-5027 Ultrapure Cartridges.	D-4801	479.70
Type I, Tap feed, Organic-free. Contains: one D-0836 Macropure, Cartridge, one D-0803 High Capacity Cartridge, one D-5027 Ultrapure Cartridge, and one D-5021 Organic-free Cartridge.	D-4802	572.40
Type I, Pretreated feed. Contains: one D-0835 Pretreatment Cartridge two D-5027 Ultrapure Cartridges, and one D-0809 Ultrapure Cartridge.	D-5025	503.50
Type I, Pretreated feed, Organic-free. Contains: one D-0836 Macropure Cartridge, one D-5027 Ultrapure Cartridge, one D-5021 Organic-free Cartridge, and one D-0809 Ultrapure Cartridge.	D-5026	627.00
Type 1, Tap feed. Contains: one D-0835 Pretreatment Cartridge, one D-0803 High Capacity Cartridge, and two D-0809 Ultrapure Cartridges.	D-3804	475.20



CARTRIDGE PACKS & ACCESSORIES FOR NANOPURE "DIAMOND"

Description	Application	NCL #	Price/kit
Organic Free R/O and Distilled Feed	<ul style="list-style-type: none"> ‣ Ultra-Low Organics ‣ Type 1 Water ‣ Reverse Osmosis or Distilled Water Feed 	D-50280	650.75
Organic Free Deionized Feed	<ul style="list-style-type: none"> ‣ Ultra-low Organics ‣ Type 1 Water ‣ Deionized Water Feed 	D-50281	650.75
Type 1 R/O and Distilled Feed	<ul style="list-style-type: none"> ‣ Low Organics ‣ Type 1 Water ‣ Reverse Osmosis or Distilled Water Feed 	D-50282	650.75
Type 1 Deionized Feed	<ul style="list-style-type: none"> ‣ Low Organics ‣ Type 1 Water ‣ Deionized Water Feed 	D-50283	650.75

ACCESSORIES

Description	NCL #	Price/ea
Remote dispenser	D-11981	698.25
Filter for remote dispenser	D-3750	106.40



Please note: For maximum cartridge life, you must use deionized, distilled, or R/O pure water as feed water. Water fed directly from the tap would result in a large consumption of cartridge packs.



FILTERS & SPECIAL CARTRIDGES

Description	For use with:	NCL #	Price
0.2 micron polishing filter	<ul style="list-style-type: none"> ‣ PCS 1/2 cartridge holder ‣ Old style Nanopures 	D-0749	249.85/ea
0.2 micron polishing filter	<ul style="list-style-type: none"> ‣ Nanopure II, E-Pure 	D-3750	106.40/ea
0.2 micron polishing filter	<ul style="list-style-type: none"> ‣ Remote dispensers 	D-3751	323.95/pk of 2
Prefilter, 5 micron, 10"	<ul style="list-style-type: none"> ‣ PCS, RO-pure LP 	D-2729	44.65/ea
Sanitization cartridges	<ul style="list-style-type: none"> ‣ Quad style Nanopure ‣ E-Pure, RO-pure ST 	D-50223	106.40/pk of 3
New style dispenser with 0.2 micron filter	<ul style="list-style-type: none"> ‣ Easy-pure, Nanopure Infinity 	FL-703X2	105.45/ea