



Water Purification Systems

Produce purified water for laboratory, industrial, and commercial applications. All Type I water systems, start-up cartridges, and final filters are sold separately.

WATER PURIFICATION SYSTEMS

- Produce Type 1 laboratory grade water on demand

Aries Type I—Quiet recirculation pump assures constant water purity. Large capacity cartridges are spring loaded. VP Series filter cartridges sold separately.

- Bacteria removal: < 10 CFU/mL

Phoenix Type I—Ultra-high-purity water systems deliver lab quality water on demand. The water goes through a staged purification process which includes high-purity ion exchange resins to remove dissolved minerals and internal recirculation to maintain purity. Intuitive touch screen and easy maintenance. Filter cartridges sold separately.

- Bacteria removal: < 1 CFU/mL

DEIONIZERS

- Produce Type II purified water

Hydra DI—Preassembled high-purity systems provide deionized water from city and tap water supplies using a 3-stage process. Include cartridges and water quality light.

VP SERIES SINGLE CARTRIDGE HOLDER

Unix modular, wall-mounted system employs quick-connect VP Series cartridges (sold separately) to treat water and process fluids. Holders can be easily linked together for staged filtration in downflow and upflow applications.



Aries Type I
44C701



Phoenix Type I
48GE17



Hydra DI
44C703

Purified Water Resistivity (megohms)	Max. Output Flow	Total Organic Carbons	Endotoxins, RNase/DNase Removal	Particulate Removal (micron)	Mfr. Model	Item No.
Water Purification Systems						
Aries Type I - Countertop						
18.2 megaohm	2 lpm	5-10 ppb Less Than 5 ppb	No Yes w/ PF-00-6505	0.2 micron	ARS-102	44C701
					ARS-102-UV	44C702
Phoenix Type I - Countertop						
		Less Than 15 ppb Less Than 5 ppb			PHX-AD-S-1	48GE17
					PHX-CT-S-1	48GE18
					PHX-CT-S-1-DF	48GE19
18.2 megaohm	2.5 lpm	Less Than 10 ppb	Removed When Fitted w/PF-00- 7101 Filter	0.2 micron	PHX-BC-S-1	48GE21
					PHX-BC-S-1-DF	48GE22
		Less Than 5 ppb			PHX-GN-S-1	48GE24
					PHX-GN-S-1-DF	48GE25
Phoenix Type I - Remote Configuration						
18.2 megaohm	2.5 lpm	Less Than 5 ppb Less Than 10 ppb Less Than 5 ppb	Removed When Fitted w/PF-00- 7101 Filter	0.2 micron	PHX-CT-R-1	48GE20
					PHX-BC-R-1	48GE23
					PHX-GN-R-1	48GE26

Deionizers						
Hydra DI						
Inlet Pipe Size	Max. Inlet Pressure Range	Max. Output Flow	Outlet Pipe Size	Mfr. Model	Item No.	
1 to 10 megaohm	1.9 lpm			5 micron	HY-122-DI	44C703
50 to 100 megaohm	4.7 lpm			25 micron	HY-122B-DI	44C705
50 to 100 megaohm	1.9 lpm			5 micron	HY-122-DI-HC	44C704
50 to 100 megaohm	4.7 lpm			25 micron	HY-122B-DI-HC	44C706

Cartridge Replacement Kits For Hydra DI						
For Use with 44C703						
For Use with 44C704						
For Use with 44C705						
For Use with 44C706						
				HYK-001		46Z224
				HYK-009		46Z226
				HYK-002		46Z225
				HYK-010		46Z227

Inlet Pipe Size	Max. Inlet Pressure Range	Max. Output Flow	Outlet Pipe Size	Mfr. Model	Item No.
1/4 in OD Tube	30 psi	4 lpm	1/4 in OD Tube	UNIX-00	44C707

Cartridges for Use With 44C707						
DI Cartridge, Color-Changing High Purity Mixed Bed						
DI Cartridge, High Purity Mixed Bed						
DI Cartridge, High Capacity						
Cartridge, Activated Carbon						
				VP-17-4030		44C567
				VP-17-4010		44C568
				VP-17-4203		44C577
				VP-17-1050		44C571



Rotary Evaporators

- 1300W heating capacity

Offer a digital display for set and actual heating bath temperature.

HEI-VAP EXPERT

Large dial controls to adjust rotation speed and bath temperature. Adjust the required angle of the evaporating flask individually according to your needs. Patented flask clamp Easy-Clip cannot get lost due to a connection to the vapor tube coupling ring.

HEI-VAP CORE

3.5" LCD indicates rotation speed, heating bath, and vapor temperature. Preprogrammed timer turns off evaporator and removes evaporating flasks from bath on motor lift models. Motorized models feature lift that adjusts height with the press of a button.



56DK96

Glassware Set Type	Height Adjustment Method	Item No.
Hei-VAP Expert		
G1, Diagonal Condenser	Manual	56DK91
G1B, Coated Diagonal Condenser	Manual	56DK95
G3, Standard Distillation Vertical Condenser	Manual	56DK92
G3B, Coated Standard Distillation Vertical Condenser	Manual	56DK96
G3BXL, Coated Standard Distillation Vertical Condenser	Manual	56DK97
G3XL, Standard Distillation Vertical Condenser	Manual	56DK93
G5, Dry Ice Condenser	Manual	56DK94
G5B, Coated Dry Ice Condenser	Manual	56DK98
G1, Diagonal Condenser	Motorized	56DK99
G1B, Coated Diagonal Condenser	Motorized	56DL04
G3, Standard Distillation Vertical Condenser	Motorized	56DL01
G3B, Coated Standard Distillation Vertical Condenser	Motorized	56DL05
G3BXL, Coated Standard Distillation Vertical Condenser	Motorized	56DL06
G3XL, Standard Distillation Vertical Condenser	Motorized	56DL02
G5, Dry Ice Condenser	Motorized	56DL03
G5B, Coated Dry Ice Condenser	Motorized	56DL07
Hei-VAP Core		
G1, Diagonal Condenser	Manual	56DK74
G1B, Coated Diagonal Condenser	Manual	56DK78
G3, Standard Distillation Vertical Condenser	Manual	56DK75
G3B, Coated Standard Distillation Vertical Condenser	Manual	56DK79
G3BXL, Coated Standard Distillation Vertical Condenser	Manual	56DK80
G3XL, Standard Distillation Vertical Condenser	Manual	56DK76
G5, Dry Ice Condenser	Manual	56DK77
G5B, Coated Dry Ice Condenser	Manual	56DK81
G1, Diagonal Condenser	Motorized	56DK82
G1B, Coated Diagonal Condenser	Motorized	56DK86
G3, Standard Distillation Vertical Condenser	Motorized	56DK83
G3B, Coated Standard Distillation Vertical Condenser	Motorized	56DK87
G3BXL, Coated Standard Distillation Vertical Condenser	Motorized	56DK88
G3XL, Standard Distillation Vertical Condenser	Motorized	56DK84
G5, Dry Ice Condenser	Motorized	56DK85
G5B, Coated Dry Ice Condenser	Motorized	56DK89

Accessories	Description	Item No.
Guard Hood, 6 in x 8 in x 8 in		36RM99
Guard Shield, 6 in x 8 in x 8 in		36RN01
Spare Vapor Tube, 3 in x 3 in x 8 in		36RN06
Tube Set, Includes 6.25m Water and Vacuum Tubing		36RN08
Rotary Evaporator Enclosure, 38 in x 24 in x 48 in		36RN12
Rotary Evaporator Enclosure, 38 in x 24 in x 50 in		36RN13
Filter for Rotary Evaporator Enclosure		36RN14



Disposable Glove Chambers



Hands-in-Bag atmospheric chambers are constructed of sturdy 0.003" gauge polyethylene and are polished for clarity. Seams are heat sealed for strength and inflation-tested to be leak-free. Ideal for laboratory, field sampling, and emergency isolation applications. Include sealing tape.

No. of Ports	Chamber Volume	Opening Size	W	L	Mfr. Model	Item No.
1	17,085 cu in	24 in	39 in	48 in	690323	3NPA1
	30,510 cu in	30 in	45 in	58 in	690341	3NPA3
	31,730 cu in	36 in	51 in	58 in	690321	3NPA2