

Operating Instructions

Disposable Filter Units (DFU) and Adsorbent Units (DAU)

Filtration Efficiency

The Balston® Microfibre® Disposable Filter Unit (DFU) may be used to filter liquids or gases; therefore, each DFU has two retention ratings. Liquid ratings are defined as 98% retention of the stated particle size; gas ratings are defined as percentage retention of 0.01 micron particles.

Retention Efficiency Grade	Gas Efficiency (at 0.01 µm)	Liquid Efficiency (98% retention)
DQ,DX	93%	25 µm
CQ	98%	8 µm
B0,BK,BX	99,99%	2 µm
AQ	99,9999+%	0.9 µm
AAQ	99,9999+%	0.3 µm

DAU Media Adsorbent
000 Carbon
101 Silica Gel
102 Molecular Sieve 4A
103 Molecular Sieve 13X
105 Calgon HGR
107 Sodium/Calcium Hydroxide

Principal Specifications

Models 8822-11, 9922-05, 9922-11
Models 9900-05, 8833-11, 9933-05, 9933-11, 4433-05

Model 8800-12

Material, Filter Cartridge

Borosilicate Glass with Resin Binder
Borosilicate Glass with Resin Binder

Material, Housing	PVDF	Nylon	Nylon
Max Press at 110°F (43°C)	125 psig [8.6 bar]	125 psig [8.6 bar]	Gas: 50 psig [3.4 bar] Liquid: 70 psig [4.8 bar]
Max Temp at 0 psig [0 bar]	275°F [135°C]	230°F [110°C]	150°F [66°C]
Max ΔP, Filter Cartridge:			

Gases

- Flow per arrow 80 psid [5.5 bar]
- Flow opposite arrow 20 psid [1.4 bar]

50 psid [3.5 bar]
20 psid [1.4 bar]

Liquids

- Flow per arrow 50 psid [3.5 bar]
- Flow opposite arrow 20 psid [1.4 bar]

50 psid [3.5 bar]
20 psid [1.4 bar]

Model	Weight (g) when new	Weight (g) when spent
9933-05-101	18.5	20.3
9933-11-101	63.4	71.9
9922-11-101	78.2	85.8

Notes:

- 1 Actual weight may vary by ± 3%.
- 2 Orange silica gel will turn translucent after adsorbing 6% by weight of water vapor; however it will continue to adsorb up to 28% of its weight in water vapor.

Installation Instructions

Notes:

Primary flow should be in the direction of the arrow (inside-to-outside of the filter cartridge). Moderate reverse flow can be tolerated without damage, as in a vent or breather application. Slip-on tubing (1/4" ID) may be used for low pressure applications. For high pressure applications, compression tubing fittings recommended by the manufacturers for use with 1/4" OD plastic tubing are satisfactory to 125 psig (8.6 barg). Obtain detailed recommendations from our Technical Support staff at 800-343-4048.

- 1 DFU 9933-05-AQ (or others with Nylon housings) may be sterilized with ethylene oxide or by autoclaving to 230°F (110°C). For autoclaving to 275°F (135°C), use DFU 9922-05-AQ (or others with PVDF housings).
- 2 If you have any questions or concerns, please call the Technical Services Department at 800-343-4048, 8AM to 5PM Eastern Time or email at: balstontechsupport@parker.com. For locations outside North America, please contact your local representative or email at: pagsservicesupport@parker.com.