

MARKET LEADERS IN FILTRATION

RONA™ PLEAT

MELT-BLOWN CARTRIDGE

Filter

Constructed of melt-blown Polypropylene fibre media. RONA™ Pleat pleated filter combines exceptional solids holding capacities with precise micron ratings

FEATURES

- Double-layer structure, absolute efficiency filter. (Absolute rating 99.9% B rate=1000)
- Low pressure drop, high capacity of dust and long service life
- 100% PP for compatibility with a wide range of process fluids
- Manufactured in clean environment, highly clean cartridge
- Pre-flush with 18 Megohm-cm DI water, TOC content is lower than 40 ppb
- End caps and connectors sealed by thermal bond, free of binder
- Certificated by USP XXXIII and FDA CFR Title 21
- The double sheets of melt-blown media are layered to provide absolute particle retention, high solid loading and long service life. RONA™ Pleat filters are also suited for membrane pre-filtration.
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APPLICATIONS FOR PRODUCT

- Filtration of cleaning process
- Pre-filter of DI water filtration
- Filtration of cooling water system (PCW)
- Clarification of beer or beverage manufacture
- Filtration of medium & low viscosity fluids of chemical

OPERATING CONDITIONS

Maximum operating forward pressure:

90°C 1.4 kg/cm²

60°C 2.8 kg/cm²

20°C 4.9 kg/cm²

Recommended replaceable pressure drop: 2.5 kg/cm²

Maximum operating temperature: 90°C

STERILIZATION:

Steam	121°C, 30 Min, 10 Times
Hot Water	80°C, 30 Min, 30 Times

MATERIALS OF CONSTRUCTION

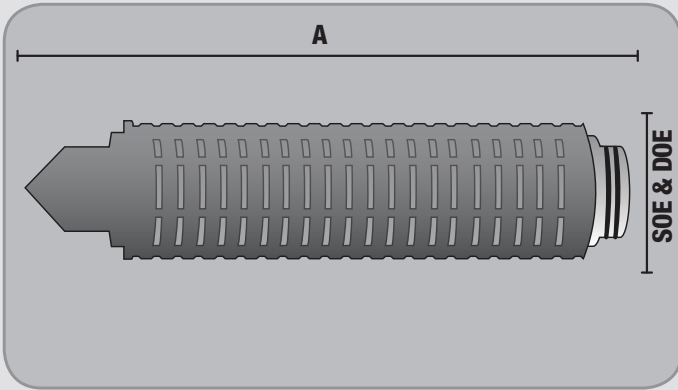
Media Casing: 100% melt blown micro-denier PP fibre

Support layer: PP fibre

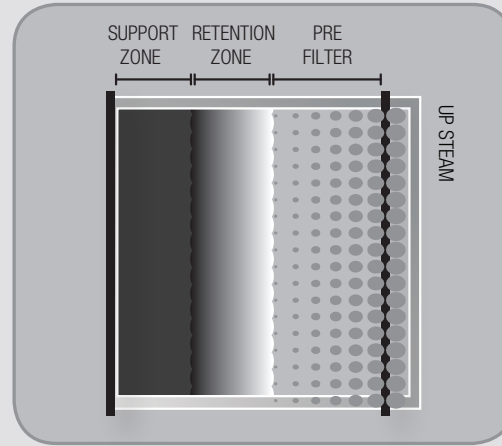
End Cap & Core: High Strength PP

O-ring Material: EPDM, Buna N, Silicone, Viton, Viton encapsulated

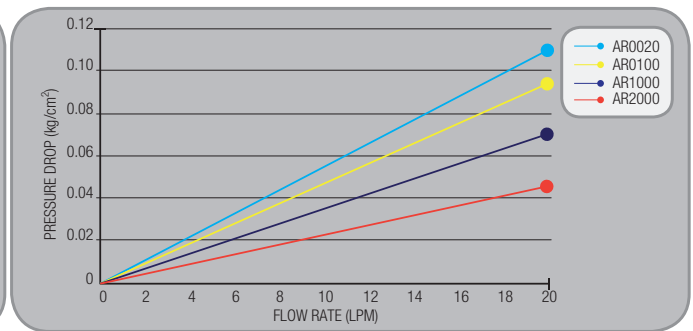
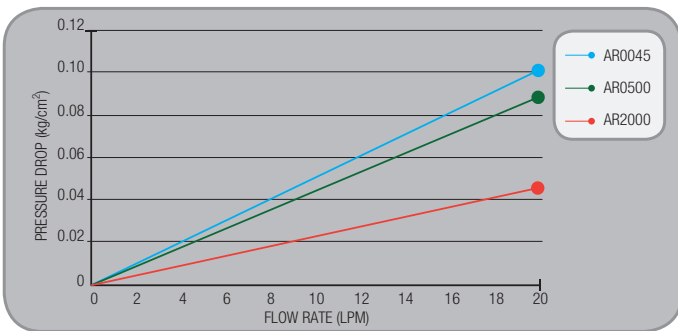
MEASUREMENTS



PES MEMBRANE CROSS STRUCTURE



AR INITIAL PRESSURE DROP



EFFICIENCY

SPEC	RETENTION EFFICIENCY (%) AR – RONA™ PLEAT							
	0.2	0.3	0.5	1.0	5.0	10	20	50
AR-A20	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9
AR-A45	62.3	71.9	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9
AR-001	30.2	67.1	73.9	>99.9	>99.9	>99.9	>99.9	>99.9
AR-005	----	----	46.8	87.3	>99.9	>99.9	>99.9	>99.9
AR-010	----	----	----	53.9	81.5	>99.9	>99.9	>99.9
AR-020	----	----	----	----	59.3	86.9	>99.9	>99.9
AR-050	----	----	----	----	----	79.8	>89.9	>99.9

ORDERING INFORMATION

CARTRIDGE	LENGTH / A	MICRON	O-RING MATERIAL	END CAP
206- AR	1000 :10"	0A2 :0.2µm	E :EPDM	NO SYMBOL :DOE open
	2000 :20"	A45 :0.45µm	N :Buna N	F :DOE dbl open & cap
	3000 :30"	A65 :0.65µm	S :Silicone	0 :SOE 222/flat
	4000 :40"	001 :1µm	V :Viton	6 :SOE 226/flat
		005 :5µm	T :Viton encapsulated PFA	7 :SOE 226/fin
		010 :10µm		
	020 :20µm			
	050 :50µm			

Example: 206-AR1000001EF

Australia Office:
 P: +61 (0) 3 9872 6811
 F: +61 (0) 3 9872 6822
 E: Feedback@progressivegroup.com.au
 17 Redland Drive, Mitcham, 3132, Victoria, Australia
 www.progressivegroup.com.au

New Zealand Office:
 P: +64 (0) 9 951 3142
 F: +64 (0) 9 951 3143
 E: Feedback@progressivegroupnz.co.nz
 17B Farnham Street, Parnell, Auckland, 1052, New Zealand
 www.progressivegroupnz.co.nz