

Description

CMP StarKleen filter capsules are designed for the filtration of silica, ceria and alumina based slurries on or near tools used in chemical mechanical polishing (CMP).

Features & Benefits

- Compact, completely disposable, all-polypropylene filter capsule with Flare style or NPT connections for easy change-out. Vents and drains are available with either NPT or Flare style fittings.
- The capsules contain either depth or pleated style Profile® filters. The relatively deep, wide pleats of the Profile Star filters easily handle fluids containing high suspended solids. This design results in low differential pressures, which minimize shear and provide long service life.
- The unique construction of these depth filters provides for built-in prefiltration, assuring long service life with no breakthrough of contaminants nor shedding of filter media.
- Profile depth filters provide a sharp boundary between transmission of native slurry particles and removal of gels and aggregates.



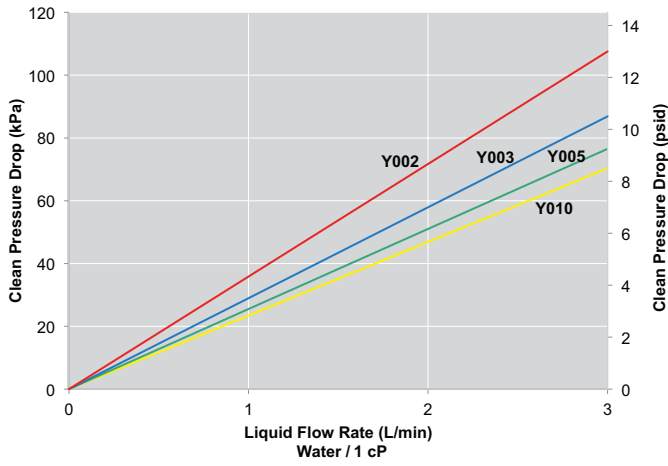
Specifications

Materials	Medium: Polypropylene
	Core, cage: Polypropylene
	Shell: Polypropylene
Removal Rating	0.2 µm, 0.3 µm, 0.5 µm, 1 µm, 1.5 µm, 3 µm, 5 µm
Operating Conditions¹	Maximum operating pressure at ambient temperature: 0.5 MPa @ 25 °C / 73 psig @ 77 °F
	Maximum operating pressure at maximum temperature: 0.2 MPa @ 40 °C / 30 psig @ 104 °F
	Maximum differential pressure: 0.3 MPa @ 25 °C / 45 psid @ 77 °F
Connections	Inlet / outlet: 1/4" NPT, 1/4" Flare style, 3/8" Flare style
	Vent / drain: 1/8" NPT, 1/4" Flare style

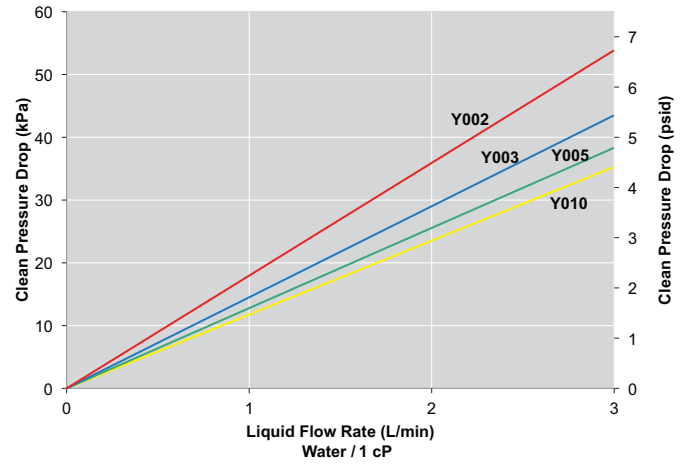
¹ In compatible fluids which do not soften, swell, or adversely affect the filter performance or materials of construction.

Typical Flow Characteristics – 1 cP fluid, 20 °C

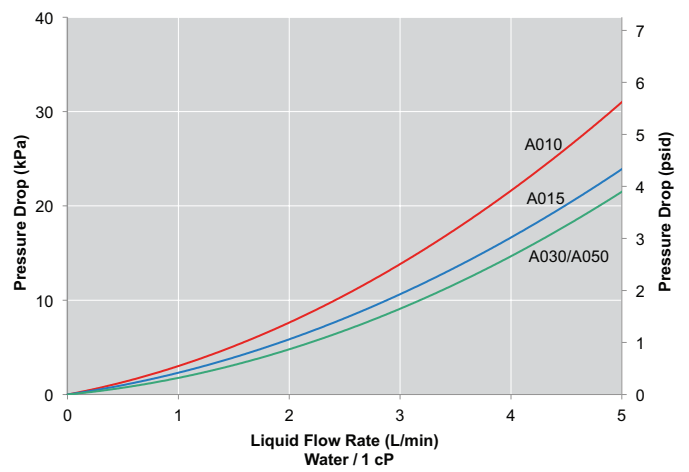
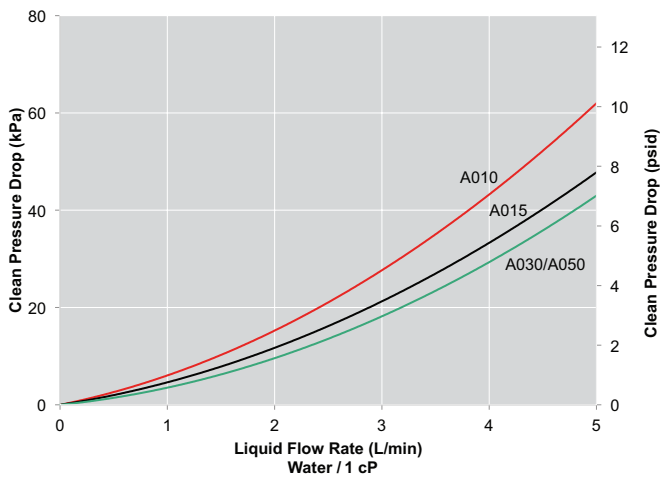
Profile DFA1 / DFA4201



Profile DFA2

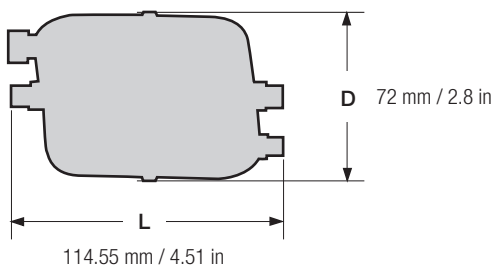


Profile Star DFA1 / DFA4201

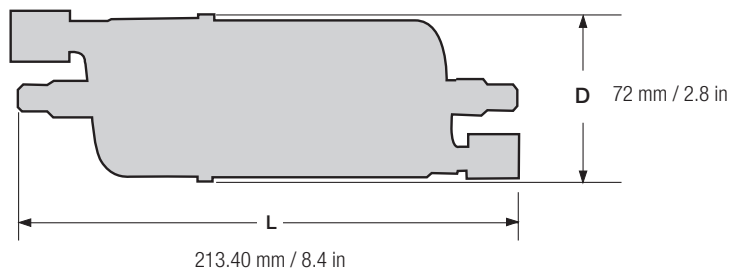


Dimensions

DFA1 / DFA4201



DFA2



Part Numbers / Ordering Information

Part Number	Filter Media	Removal rating (μm)	Connections Inlet, outlet / Vent, drain
DFA1Y002FL4N2	Profile	0.2	1/4" Flare style / 1/8" NPT
DFA2Y002F64		0.2	3/8" Flare style / 1/4" Flare style
DFA4201Y002		0.2	1/4" NPT / 1/8" NPT
DFA1Y003FL4N2		0.3	1/4" Flare style / 1/8" NPT
DFA2Y003F64		0.3	3/8" Flare style / 1/4" Flare style
DFA4201Y003		0.3	1/4" NPT / 1/8" NPT
DFA1Y005FL4N2		0.5	1/4" Flare style / 1/8" NPT
DFA2Y005F64		0.5	3/8" Flare style / 1/4" Flare style
DFA4201Y005		0.5	1/4" NPT / 1/8" NPT
DFA2Y010F64		1	3/8" Flare style / 1/4" Flare style
DFA4201Y010	Profile Star	1	1/4" NPT / 1/8" NPT
DFA1A010FL4N2		1	1/4" Flare style / 1/8" NPT
DFA2A010F64		1	3/8" Flare style / 1/4" Flare style
DFA4201A010		1	1/4" NPT / 1/8" NPT
DFA1A015FL4N2		1.5	1/4" Flare style / 1/8" NPT
DFA2A015F64		1.5	3/8" Flare style / 1/4" Flare style
DFA4201A015		1.5	1/4" NPT / 1/8" NPT
DFA1A030FL4N2		3	1/4" Flare style / 1/8" NPT
DFA2A030F64		3	3/8" Flare style / 1/4" Flare style
DFA4201A030		3	1/4" NPT / 1/8" NPT
DFA1A050FL4N2		5	1/4" Flare style / 1/8" NPT
DFA2A050F64		5	3/8" Flare style / 1/4" Flare style
DFA4201A050		5	1/4" NPT / 1/8" NPT



Microelectronics

25 Harbor Park Drive
Port Washington, NY 11050
+1 516 484 3600 telephone
+1 800 360 7255 toll free US

Nihon Pall Ltd.

6-5-1, Nishishinjuku,
Shinjuku-ku
Tokyo 163-1325 Japan
+81 3 6901 5700 telephone
+81 3 5322 2109 fax

Visit us on the Web at www.pall.com/microelectronics
Contact us at www.pall.com/contact

Pall Corporation has offices and plants throughout the world. To locate the Pall office or distributor nearest you, visit www.pall.com/contact.

The information provided in this literature was reviewed for accuracy at the time of publication. Product data may be subject to change without notice. For current information consult your local Pall distributor or contact Pall directly.

IF APPLICABLE Please contact Pall Corporation to verify that the product conforms to your national legislation and/or regional regulatory requirements for water and food contact use.

© Copyright 2021, Pall Corporation. Pall, , and Starkleen are trademarks of Pall Corporation.
® Indicates a trademark registered in the USA.