

Introduction

- All polypropylene housings are sturdy and chemically compatible
- Three membrane type media and two depth type media
- Wide range of retentive pore sizes
- All types available in three different lengths
- Diameter is standard 78 mm
- Selected media available presterilized

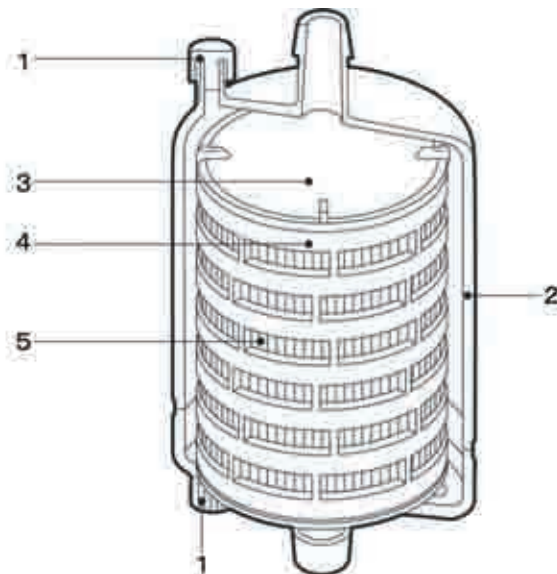
Applications

- Filter tissue culture media, fermentation broths, ground water
- Can be set in serial mode to maximize throughput volumes
- Point-of-use sterile filtration
- Use capsules for pilot/prototype studies, scale up to the same media in cartridge format
- Cannot be used for gas filtration



Product Overview

Media	Code	Characteristics	Media type	Pore size or Nominal Rating [μm]	Membrane layers	Filtration area per capsule [cm²]
PES	CCS	Hydrophilic	Membrane	0.20 - 0.45	Double	Up to 1800
PTFE	CCF	Hydrophobic	Membrane	0.05 - 1.0	Single/double	Up to 3600
PTFE	CCFH	Hydrophilic	Membrane	0.20	Single	Up to 3600
Polypropylene	CCP	Hydrophobic	Depth-type	0.8 - 30	-	Up to 2600
Glass	CCG	-	Depth-type	0.45 - 1.0	-	Up to 1200



- 1: Vent/drain
2: Housing
3: End cap
4: Outer sleeve
5: Pleated filter media



End Fixture B
1/4" NPTM



End Fixture D
1/2" NPTM



End Fixture H
3/8" hose barb



End Fixture N
1 1/2" sanitary fitting

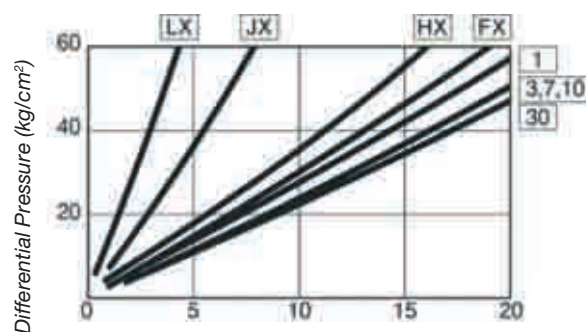
Capsule Filters

► Polypropylene Capsule Filters – Code CCP

- **Depth type matrix:** High dirt holding capacity, superior retention
- **Compatible** with aqueous solutions and solvents
- **Thermally welded** to prevent fiber slough-off and minimize changes in pore size during filtration
- **Wide range** of particle size cut-offs
- **Can be sterilized** by autoclaving (121°C, 30 min.) or treatment with ethylene oxide (EtO)

► Applications

- High purity water filtration
- Prefiltration to a final membrane filter such as PES or PTFE (CCS, CCF or CCFH)
- Ultracleaning
- Filtration of process chemicals



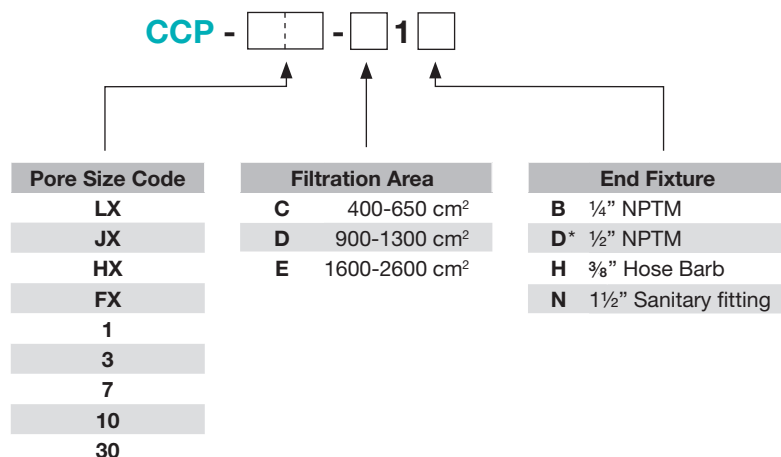
Flow Rate (L/min)
Typical water flow rate for
CCP-___-D1B at 25°C

► Specifications

Type Code	CCP-LX	CCP-JX	CCP-HX	CCP-FX	CCP-1	CCP-3	CCP-7	CCP-10	CCP-30	
Nominal rating [µm]	0.8	1.0	2.0	3.0	2-5	5-10	10-20	10-20	20-30	
% Particle retention	>99	>99	>99	>99	94	98	98	92	97	
Max. Inlet Pressure	4 kg/cm²	4 kg/cm²	4 kg/cm²	4 kg/cm²	4 kg/cm²	4 kg/cm²	4 kg/cm²	4 kg/cm²	4 kg/cm²	
Max. Operating Temp.	60°C	60°C	60°C	60°C	60°C	60°C	60°C	60°C	60°C	
Length Code	Length [mm]*		Filtration Area [cm²]							
C	102	400	500	500	550	500	600	500	550	650
D	129	800	1000	1000	1100	1000	1200	1000	1100	1300
E	201	1600	2000	2000	2200	2000	2400	2000	2200	2600

*Length given is for capsules with end fixture H.

► Ordering Information



*) When ordering length code "C" (filtration area), end fixture code "D" is not available.