

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

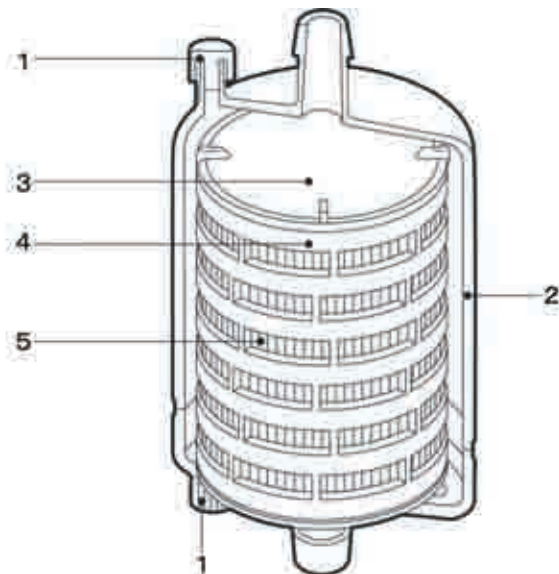
Applications

- 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

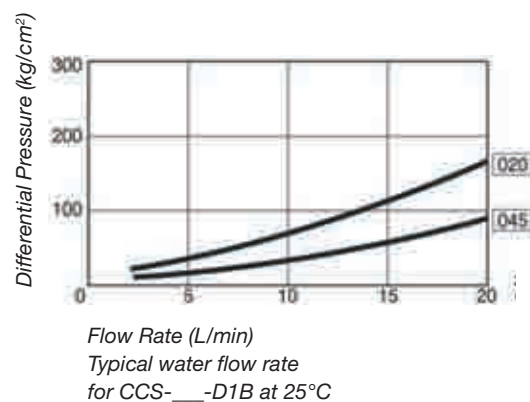
Capsule Filters

► PES Capsule Filters – Code CCS

- **Can be sterilized** by autoclaving (121°C) or treatment with ethylene oxide (EtO)
- **Available presterilized (EtO) or rinsed** (recommended when filtering high purity water)

► Applications

- Filter pure water, high purity chemicals, pharmaceuticals, tissue culture media
- Remove bacteria or sub-micron particulates



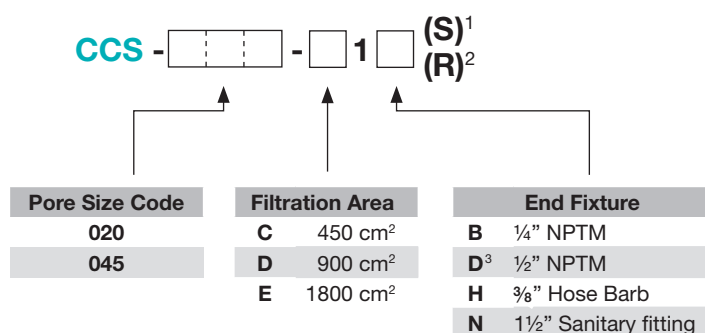
► Specifications

	CCS-020	CCS-045
Membrane layers	Double	Double
Pore Size [μm]	0.20	0.45
Max. inlet pressure	4 kg/cm ²	4 kg/cm ²
Max. Operating Temperature	60°C	60°C
Bubble point [water]	≥4 kg/cm ²	≥3 kg/cm ²
LRV / Organism	≥7 / B. diminuta	≥7 / S. marcescens

Length Code	Length [mm]*	Filtration Area [cm ²]	Filtration Area [cm ²]
C	102	450	450
D	129	900	900
E	201	1800	1800

*Length given is for capsules with end fixture H.

► Ordering Information



- 1) When ordering sterile units, specify "S" in the last position of the Cat. No.
- 2) When ordering pre-rinsed units, specify "R" in the last position of the Cat. No.
- 3) When ordering length code "C" (filtration area), end fixture code "D" is not available.